

would be an appropriate basis for disclosure if it is prepared or accepted as at a date more than six months before the date of the disclosure.

Under subparagraph 5.10(2)(b)(ii), the estimate must consist of at least three values that reflect a range of reasonable likelihoods (the low value reflecting a conservative estimate, the middle value being the median estimate, and the high value being an optimistic estimate) such values being estimated by a professional valuator in accordance with applicable professional standards based on the course of action that the valuator reasonably expects the *reporting issuer* to follow.

In circumstances in which paragraph 5.10(2)(b) applies, in order to ensure that the *reporting issuer* is not making public disclosure of misleading information, the CSA expect the *reporting issuer* to provide all relevant information to the valuator to enable the valuator to prepare the estimate and provide the report referred to in that paragraph.

- 5.4 Negative Assurance** - As discussed in section 2.6 of this Companion Policy, the CSA are of the view that a report of a *qualified reserves evaluator or auditor* that is based on or conveys only negative assurance can be misinterpreted as providing a higher degree of assurance than is intended or warranted.

The CSA believe that *reporting issuers* should avoid making any public disclosure of, or based on, a report that conveys only negative assurance.

In the rare case, if any, in which there are compelling reasons for making such disclosure, the CSA believe that, to avoid providing information that could be misleading, the *reporting issuer* should include in such disclosure useful explanatory and cautionary statements. Such statements should explain the limited nature of the work undertaken by the *qualified reserves evaluator or auditor* and the limited scope of the assurance expressed, noting that it does not amount to a positive opinion.

The *COGE Handbook* may address the issue of negative assurance in connection with evolving standards for *reviews of reserves data*. The CSA will consider any such developments and may, in consequence, give public notice of a change in the views expressed above.

- 5.5 Supporting Filings** - Part 5 of *NI 51-101* requires that certain information, if disclosed publicly, be supported by consistent information in a *supporting filing*.

The definition of "*supporting filing*" in section 1.1 of *NI 51-101* does not specify any particular type of document, nor a maximum age or an expiry date for any such document. If the information in a filed document has not been rendered inaccurate or misleading by events subsequent to its filing, the document can continue to serve as a *supporting filing*.

Part 6 of *NI 51-101* requires that reports of material changes include, in certain circumstances, information concerning the effect that the material change would, but for the timing of its occurrence, have had on information in an annual filing under Part 2.

The CSA do not consider that a document filed under Part 2 of *NI 51-101* would cease to qualify as a *supporting document* merely by reason of the occurrence of a material change referred to in Part 6 of *NI 51-101*, provided that the material change disclosure satisfies applicable requirements of Part 6.

- 5.6 Consistent Use of Units of Measurement** - *Reporting issuers* should be consistent in their use of units of measurement within and between disclosure documents, to facilitate understanding and comparison of the disclosure. For example, *reporting issuers* should not, without compelling reason, switch between imperial units of measure (such as barrels) and Système International (SI) units of measurement (such as tonnes) within or between disclosure documents.

In all cases, in accordance with subparagraph 4.2(1)(a)(ii), subsection 5.2(a) and section 5.3 of *NI 51-101*, *reporting issuers* should apply the relevant nomenclature and unit prefixes set out in the *COGE Handbook*.

- 5.7 BOEs and McfGEs** - Section 5.14 of *NI 51-101* sets out requirements that apply if a *reporting issuer* chooses to make disclosure using units of equivalency such as *BOEs* or *McfGEs*. The requirements include prescribed methods of calculation and cautionary disclosure as to the possible limitations of those calculations. Section 13 of the *COGE Handbook*, under the heading "Barrels of Oil Equivalent", provides additional guidance.

- 5.8 Finding and Development Costs** - Section 5.15 of *NI 51-101* sets out requirements that apply if a *reporting issuer* chooses to make disclosure of finding and development costs.

Because the prescribed methods of calculation under section 5.15 involve the use of *BOEs*, section 5.14 of *NI 51-101* necessarily applies to disclosure of finding and development costs under section 5.15. As such, the finding and development cost calculations must apply a conversion ratio as specified in section 5.14 and the cautionary disclosure prescribed in section 5.14 will also be required.

*BOEs* are based on imperial units of measurement. If the *reporting issuer* uses other units of measurements (such as SI or "metric" measures), any corresponding departure from the requirements of section 5.15 should reflect the use of units other than *BOEs*.

## **PART 6 MATERIAL CHANGE DISCLOSURE**

- 6.1 Changes from Filed Information** - Part 6 of *NI 51-101* requires the inclusion of specified information in disclosure of certain material changes.

The information to be filed each year under Part 2 of *NI 51-101* is prepared as at, or for a period ended on, the *reporting issuer's* most recent financial year-end. That date is the *effective date* referred to in subsection 6.1(1) of *NI 51-101*. When a material change occurs after that date, the filed information may no longer, as a result of the material change, convey meaningful information, or the original information may have become misleading in the absence of updated information.

Part 6 of *NI 51-101* requires that the disclosure of the material change include a discussion of the *reporting issuer's* reasonable expectation of how information that had been filed under Part 2 would differ, had the material change occurred before rather than after the *effective date* of that original information.

This material change disclosure can reduce the likelihood of investors being misled, and maintain the usefulness of the original filed *oil* and *gas* information when the two are read together.

- 6.2 Constant Case Estimates** - To the extent that a material change referred to in section 6.1 involves a change in future prices and costs, the *CSA* do not consider that Part 6 of *NI 51-101* would require further discussion of *reserves data* estimated using *constant prices and costs* as at the *effective date*.

## PART 7 INDEPENDENCE OF PROFESSIONALS

- 7.1 Independence of Qualified Reserves Evaluator or Auditor** - "*Independence*", in respect of the relationship between a *reporting issuer* and a *qualified reserves evaluator or auditor* engaged to *evaluate, audit, or review reserves data*, is to be determined in accordance with the *COGE Handbook*. The following guidance should be read in light of the *COGE Handbook*.

Under the *COGE Handbook*, a *qualified reserves evaluator or auditor* would not generally be considered to be *independent* of a client *reporting issuer* if the *qualified reserves evaluator or auditor* has or expects to receive a direct or indirect interest in either a *property* to be *evaluated* or reported on, or in securities of the client or of an affiliate of the client.

*Independence* would not ordinarily be considered to be lost only by reason of the fact that the *qualified reserves evaluator or auditor*, or a *reserves evaluation firm* of which he or she is a partner, shareholder or employee, also provides to the client *reporting issuer*, or provides to another client in respect of a *property* to be *evaluated* or reported on, other services (including *evaluations, audits or reviews*) of a type normally rendered by the petroleum engineering profession.

- 7.2 Unacceptable Qualified Reserves Evaluator or Auditor or Valuator** - Sections 2.1 and 3.2 of *NI 51-101* require the involvement, in connection with annual *reserves data* disclosure, of a *qualified reserves evaluator or auditor* who is *independent* (in accordance with the *COGE Handbook*) of the *reporting issuer*. Similarly, section 5.10 of *NI 51-101* requires the involvement, in connection with certain disclosure of estimates of fair value, of a professional valuator who is not a "related party" (within the meaning of the term in the *CICA Handbook*) of the *reporting issuer*.

Notwithstanding that a *qualified reserves evaluator or auditor* or a valuator may technically satisfy these requirements concerning his or her relationship with the *reporting issuer*, circumstances may, or may reasonably be seen to, deprive that individual of the freedom to exercise the independent judgement that the *CSA* consider

essential for the purposes of *NI 51-101*. In such circumstances, the *securities regulatory authority* or *regulator* may request the *reporting issuer* to engage another *qualified reserves evaluator or auditor* or another valuator. If a prospectus filing is involved, the *securities regulatory authority* or *regulator* may consider that a failure to comply with such a request materially impairs the quality of disclosure to an extent that could lead to a refusal to issue a prospectus receipt.

## **PART 8 EXEMPTIONS**

**8.1 Scope of Possible Exemptions** - This Part discusses certain exemptive relief that the *securities regulatory authority* or *regulator* may be willing to grant in appropriate circumstances, on application by a *reporting issuer* under Part 8 of *NI 51-101*. The relief discussed in this Part is limited to relief from the requirements of *NI 51-101*, and would not affect other requirements of *securities legislation*.

(See also section 1.5 of this Companion Policy for a discussion of certain applications relating to professional qualifications.)

### **8.2 Exemption from Requirement for *Independent Qualified Reserves Evaluator or Auditor***

The *CSA* consider that the involvement of a *qualified reserves evaluator or auditor* who is *independent* of a *reporting issuer* will in most cases serve as an important measure of quality control for *reserves data* disclosure, which should in turn help foster and maintain confidence in *oil* and *gas* disclosure, to the benefit of all participants in Canadian capital markets.

The *CSA* recognize, however, that there may be limited circumstances in which the desired quality and reliability of *reserves data* disclosure may be achieved even without *independent* professional involvement.

#### **(a) Discretionary Exemption for *Senior Producing Issuer***

*Securities regulatory authorities* or *regulators* would, in certain circumstances, likely be prepared, on application by a *senior producing issuer*, to grant an exemption from the requirements of *NI 51-101* for involvement of a *qualified reserves evaluator or auditor* who is *independent* of the *reporting issuer*. Such an exemption would likely be subject to conditions.

For these purposes, "*senior producing issuer*" means a *reporting issuer* that

- (i) demonstrates capability to estimate its *reserves* and *future net revenue* in accordance with the *COGE Handbook* (other than with respect to *independence*); and
- (ii) produced an average of more than 100,000 *BOEs* of *oil* and *gas* (converted in the ratio 6 *Mcf*:1 *bbl*) per day throughout its most recent financial year.

Such an exemption from the requirement for *independence* of a *qualified reserves evaluator or auditor* would likely apply in respect of requirements arising directly under *NI 51-101* (notably paragraph (b) of item 2 of section 2.1 and section 3.2) or indirectly under other *securities legislation* (such as prospectus disclosure requirements) that applies requirements of *NI 51-101*.

Such an exemption would not vary the requirements of *NI 51-101* in respect of the involvement of a *qualified reserves evaluator*, only his or her *independence*. Given the nature of the *reserves audit* function, it is unlikely that a non-independent professional could act as a *qualified reserves auditor* or usefully perform a *review*. Accordingly, for the purpose of section 2.1 of *NI 51-101*, the use of an *audit* as an alternative to an *evaluation*, and the use of a *review* of information not *evaluated* or *audited*, would not likely be alternatives available to a *reporting issuer* relying on such an exemption. In other words, reliance on such an exemption would likely require *evaluation* of all *reserves data* by an "in-house" *qualified reserves evaluator*.

Relief would likely cease to be available to a *reporting issuer* if it ceased to be a *senior producing issuer* or in the event of a failure to adhere to any undertaking provided as a condition of the exemption.

No such exemption would likely be provided in connection with an initial public offering of securities or a reverse take-over or similar transaction.

#### **(b) Application**

An application for an exemption referred to above should demonstrate that the applicant is a *senior producing issuer*. In considering that aspect of an application, factors taken into account by *securities regulatory authorities* or *regulators* would likely include the background and experience of the *reporting issuer's* non-independent *qualified reserves evaluators*, the quality of its past *oil* and *gas* disclosure, and its internal disclosure, compliance, quality control and approval procedures. Demonstrated adherence to "best practice" standards of the *COGE Handbook* and of the relevant professional body would be expected.

An independent review of internally-generated *reserves data*, with satisfactory results, could be required before an exemption is granted.

An exemption, if granted, might not specify an expiry date, meaning that a successful applicant need not renew the application annually.

#### **(c) Likely Conditions to Discretionary Exemption**

A discretionary exemption described in this section 8.2 would likely be conditional on the *reporting issuer* furnishing and complying with the following undertakings:

- (i) **Internal procedures** - an undertaking by the *reporting issuer* to implement internal procedures that will permit preparation of the modified reports described below;

- (ii) **Explanatory and cautionary disclosure** - an undertaking by the *reporting issuer* to disclose:
- (A) at least annually (for example, in an *annual information form*), its reasons for considering the reliability of internally-generated *reserves data* to be not materially less than would be afforded by strict adherence to the requirements of *NI 51-101*, including a discussion of
    - (I) factors supporting the involvement of *independent qualified evaluators or auditors* and why such factors are not considered compelling in the case of that *reporting issuer*; and
    - (II) the manner in which the *reporting issuer's* internally-generated *reserves data* is determined, reviewed and approved, its relevant disclosure control procedures and the related role, responsibilities and composition of responsible management, the board of directors and (if applicable) the reserves committee of the board of directors; and
  - (B) in each document that discloses any information derived from internally-generated *reserves data* and reasonably proximate to that disclosure, the fact that no *independent qualified reserves evaluator or auditor* was involved in the preparation of the *reserves data*; and
- (iii) **Disclosure of conflicting independent reports** - an undertaking by the *reporting issuer* to the effect that, if despite the exemption it obtains a report on *reserves data* from an *independent qualified reserves evaluator or auditor* that contains information that differs materially from corresponding information filed by the *reporting issuer* in reliance on the exemption or that otherwise suggests that the *reporting issuer's* public disclosure record in respect of *reserves data* may be misleading, it will promptly file a correction of its public disclosure.

(d) **Modified Reports**

A discretionary exemption discussed in this section 8.2 would have the effect of varying the application of section 2.1 of *NI 51-101* as though the words "each of whom is *independent* of the *reporting issuer*" were omitted from paragraph (b) of item 2.

Such an exemption would also likely contemplate modifications to the texts of the reports required under items 2 and 3 of section 2.1 of *NI 51-101*.

- (i) **Modified Form 51-101F2** - The report of the *independent qualified reserves evaluator or auditor* in *Form 51-101F2*, required by item 2 of section 2.1 of *NI 51-101*, would likely be modified under the terms of a discretionary exemption to reflect the substance of the exemption, substituting a report consistent in all *material* respects with the following:

***“Report on Reserves Data***

*To the board of directors of [name of reporting issuer] (the "Company"):*

1. *Our staff and I have evaluated the Company's reserves data as at [last day of the reporting issuer's most recently completed financial year]. The reserves data consist of the following:*
  - (a) (i) *proved and proved plus probable oil and gas reserves estimated as at [last day of the reporting issuer's most recently completed financial year] using forecast prices and costs; and*
  - (ii) *the related estimated future net revenue; and*
  - (b)(i) *proved oil and gas reserves estimated as at [last day of the reporting issuer's most recently completed financial year] using constant prices and costs; and*
  - (ii) *the related estimated future net revenue.*
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.*
3. *We carried out our evaluation in accordance with standards set out in the Canadian Oil and Gas Evaluation Handbook (the "COGE Handbook"). We are not, however, independent of the Company, within the meaning of the term "independent" under those standards.*
4. *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.*
5. *The following sets forth the estimated future net revenue (before deducting 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 evaluated for the year ended xxx xx, 20xx:*

<i>Location of Reserves (country or foreign geographic area)</i>	<i>Future Net Revenue (before income taxes, 10% discount rate)</i>
xxx	\$ xxx
xxx	xxx
xxx	<u>xxx</u>
	<u>\$ xxx</u>

6. *In our opinion, the reserves data evaluated by us have, in all material respects, been determined in accordance with the COGE Handbook.*
7. *We have no responsibility to update our evaluation for events and circumstances occurring after the date of this report.*
8. *Because the reserves data are based on judgements regarding future events, actual results will vary and the variations may be material.*

*[Internal Qualified Reserves Evaluator's Name, Position, Province, Date]*

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*[signed]"*

- (ii) **Modified Form 51-101F3** - The report of the *reporting issuer's* management and directors in *Form 51-101F3*, required by item 3 of section 2.1 of *NI 51-101*, would likely be modified under the terms of a discretionary exemption to reflect the substance of the exemption, substituting a report consistent in all *material* respects with the following:

***"Report of Management and Directors on Reserves Data and Other Information***

*Management of [name of reporting issuer] (the "Company") are responsible for the preparation and disclosure of information with respect to the Company's oil and gas activities in accordance with securities regulatory requirements. This information includes reserves data, which consist of the following:*

- (a) (i) *proved and proved plus probable oil and gas reserves estimated as at [last day of the reporting issuer's most recently completed financial year] using forecast prices and costs; and*
- (ii) *the related estimated future net revenue; and*

- (b) (i) *proved oil and gas reserves estimated as at [last day of the reporting issuer's most recently completed financial year] using constant prices and costs; and*
- (ii) *the related estimated future net revenue.*

*Our [title of internal qualified reserves evaluator[s]], who [is an / are] employee[s] of the Company, [has / have] evaluated the Company's reserves data. The report of the [internal qualified reserves evaluator[s]] [is presented below / will be filed with securities regulatory authorities concurrently with this report].*

*The [Reserves Committee of the] Board of Directors has:*

- (a) *reviewed the Company's procedures for providing information to the [internal qualified reserves evaluator];*
- (b) *met with the [internal qualified reserves evaluator] to determine whether any restrictions placed by management affect the ability of the [internal qualified reserves evaluator] to report without reservation; and*
- (c) *reviewed the reserves data with management and the [internal qualified reserves evaluator].*

*The [Reserves Committee of the] Board of Directors has reviewed the Company'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 Reserves Committee, ] approved the content and filing of the reserves data and other oil and gas information, the filing of the report of the [internal qualified reserves evaluator] on the reserves data and the content and filing of this report.*

*In our view, the reliability of the internally generated reserves data is not materially less than would be afforded by our involving independent qualified reserves evaluators or independent qualified reserves auditors to evaluate or audit and review the reserves data. The Company is therefore relying on an exemption, which it sought and was granted by securities regulatory authorities, from the requirement under securities legislation to involve independent qualified reserves evaluators or independent qualified reserves auditors.*

*The primary factors supporting the involvement of independent qualified reserves evaluators or independent qualified reserves auditors apply when (i) their knowledge of, and experience with, a reporting issuer's reserves data are superior to that of the internal evaluators and (ii) the work of the independent qualified reserves evaluators or independent*

*qualified reserves auditors is significantly less likely to be adversely influenced by self-interest or management of the reporting issuer than the work of internal reserves evaluation staff. In our view, neither of these factors applies in our circumstances.*

*Our view is based in large part on the following. Our reserves data were developed in accordance with standards set out in the Canadian Oil and Gas Evaluation Handbook. Our internal reserves evaluation staff includes [number] of persons with an average of [X] years of relevant experience in evaluating reserves, of whom [number of persons] are qualified reserves evaluators for purposes of securities regulatory requirements. Our internal reserves evaluation management personnel includes [number] of persons with an average of [Y] years of relevant experience in evaluating and managing the evaluation of reserves. Our procedures, records and controls relating to the accumulation of source data and preparation of reserves data by our internal reserves evaluation staff have been established, refined, documented, and subjected to review for [Z] years by our internal financial auditors who have reported directly to the [Reserves Committee of the] Board of Directors.*

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

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*[signature, name and title of chief executive officer]*

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*[signature, name and title of senior officer  
other than the chief executive officer]*

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*[signature, name and title of director]*

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*[signature, name and title of director]*

*[Date]"*

### 8.3 Exemption Permitting Substitution of *FASB Standards*

#### (a) Comparable *FASB Standards*

The *reserves data* to be disclosed under *NI 51-101* include *proved reserves* and related *future net revenue* estimated using *constant prices and costs*. The *SEC* requires disclosure of comparable estimates (referred to respectively as "proved oil and gas reserve quantities" and the "standardized measure of discounted future net cash flows relating to proved oil and gas reserve quantities" or, in this Companion Policy, the "standardized measure") determined in accordance with standards established by *FASB*. The applicable *FASB* terminology and disclosure standards are currently set out in the following documents (referred to in this Companion Policy as the "*FASB Standard*"):

- (i) *FASB* Statement of Financial Accounting Standards No. 69 "Disclosures about Oil and Gas Producing Activities -- an amendment of *FASB* Statements 19, 25, 33, and 39", as amended from time to time (referred to in this Companion Policy as "*FAS 69*"); and
- (ii) paragraphs .103, .106, .107, .108, .112, .160 through .167, .174 through .184, and .401 through .408 of *FASB* Current Text Section Oi5, "Oil and Gas Producing Activities", which also reflect *FAS 69*.

#### (b) Discretionary Exemption to Permit Substitution of *FASB Standard*

A key objective of the *CSA* in developing *NI 51-101* was to enhance the comparability of *oil* and *gas* disclosure provided by *reporting issuers*. The *CSA* recognize that, in the case of some *reporting issuers* that are active in United States capital markets, comparability of *oil* and *gas* disclosure with that provided by US issuers, as well as with that provided by other Canadian *reporting issuers*, may be important for investors.

In the absence of an exemption from Part 2 of *NI 51-101*, a *reporting issuer* that is subject both to the disclosure requirements of the *SEC* and to *NI 51-101* would be required to prepare and present two sets of estimates -- *proved reserves* and the related *future net revenue*, as well as proved oil and gas reserve quantities and the related standardized measure -- that relate to very similar concepts. In many cases, the *CSA* believe that the results of the two sets of estimates would not differ substantially. The *CSA* recognize that the requirement to prepare and disclose two similar sets of estimates could impose a burden on *reporting issuers*, and be confusing to investors.

In light of these considerations, *securities regulatory authorities* or *regulators* would likely be prepared, on application by a *reporting issuer* that has securities registered in the US under the *1934 Act*, to grant a limited exemption from certain requirements of Part 2 (and the forms referred to in that Part) and section 5.3 of *NI 51-101*.

Such a discretionary exemption could permit a *reporting issuer* to substitute disclosure of "proved oil and gas reserve quantities" and the "standardized measure" for disclosure of *proved reserves* and related *future net revenue* estimated using *constant prices and costs*. The exemption could also permit the applicant to apply the *FASB Standard*

(despite any indication to the contrary in the *FASB Standard*) to disclosure relating to non-conventional *oil and gas activities* (the extraction of hydrocarbons from oil sands, shale, coal or other non-conventional sources).

In the absence of a further exemption, this discretionary exemption would not otherwise affect the *reporting issuer's* disclosure and other obligations under *NI 51-101*. For example, requirements for the reporting of other elements of *reserves data*, notably *proved reserves* and *proved plus probable reserves* together with the related estimates of *future net revenue* estimated using *forecast prices and costs*, would be unchanged.

With this exemption, a *reporting issuer* that discloses *reserves* estimates and related information in both Canada and the US would be able to file, in both countries, the information required by the *SEC* (proved oil and gas reserve quantities and the standardized measure) in the same manner as US peer issuers, facilitating comparison with those peers. At the same time the *reporting issuer* would present other disclosure not required by the *SEC* (including estimates of *proved* and *probable reserves* and related *future net revenue* estimated using *forecast prices and costs*) in accordance with *NI 51-101*, facilitating comparison with Canadian peer issuers.

Such an exemption might not specify an expiry date so that renewal applications would not be required.

It is unlikely that any such exemption would alter the requirements of Parts 3, 4, 5 or 6 of *NI 51-101* in respect of the role and responsibilities of directors, measurement and estimation standards, requirements relating to certain voluntary disclosure, or material change reporting. Thus, for example, in the absence of applicable *SEC* requirements, relevant provisions of Part 5 of *NI 51-101* relating to the use of *BOEs*, or to disclosure of an estimate of fair value of a *prospect*, would still apply.

### (c) Likely Conditions to Discretionary Exemption

A discretionary exemption described in this section 8.3 would likely be conditional on the *reporting issuer* furnishing and complying with an undertaking to include in all its written disclosure of proved oil and gas reserve quantities and the standardized measure (which the *reporting issuer* has substituted for otherwise mandatory disclosure of *proved reserves* and related *future net revenue* estimated using *constant prices and costs*) a statement, reasonably proximate to that disclosure

- (i) of the *reporting issuer's* reliance on the exemption;
- (ii) that explains generally the nature of the estimates being disclosed and the source of the underlying standards (the *FASB Standards*); and
- (iii) to the effect that the disclosed estimates may differ from corresponding estimates of *proved reserves* and related *future net revenue* estimated using *constant prices and costs* prepared in accordance with *NI 51-101*.

## 8.4 Exemption Permitting US-Style Disclosure

As noted in section 8.3, the CSA recognize that for some *reporting issuers* that are active in US capital markets, comparability of their *oil* and *gas* disclosure with that provided by US issuers may be important for investors. In some cases, a Canadian *reporting issuer* may consider that comparability of disclosure to US peer issuers is of primary relevance to its investors.

The CSA acknowledge that there may be circumstances in which such an assessment is valid. At the same time, the CSA consider that the public interest requires, at minimum, clarity as to what standards are being applied in public disclosure and consistency of annual disclosure.

The CSA believe that these considerations can be addressed in appropriate cases by a discretionary exemption that builds on the exemption discussed in section 8.3. The discretionary exemption discussed in this section 8.4 could enable a *reporting issuer* to substitute, for much of the disclosure ordinarily required by *NI 51-101*, disclosure that is consistent with the *FASB Standards* and other relevant requirements of the *SEC*, provided that the *reporting issuer* makes clear in its disclosure that it is departing from *NI 51-101* requirements and makes clear which standards are being applied.

### (a) Scope of Possible Exemption

On application by a *reporting issuer* that has securities registered in the US under the *1934 Act*, *securities regulatory authorities* or *regulators* may be prepared to grant a limited exemption from certain requirements of *NI 51-101* to permit

- (i) the substitution, as discussed in section 8.3, of disclosure of estimates of proved oil and gas reserve quantities and the related standardized measure, for the disclosure of *proved reserves* and related *future net revenue* estimated using *constant prices and costs* otherwise required by *NI 51-101*; and
- (ii) relief from requirements of *NI 51-101* for disclosure of other elements of *reserves data*, or other information concerning *oil and gas activities* contemplated in *Form 51-101F1*, to the extent that these elements or information exceed or differ from *SEC* requirements;

provided that the *reporting issuer* files, within the time prescribed in section 2.1 of *NI 51-101*, the information relating to its *oil and gas activities* contemplated by, and consistent with, the *FASB Standard* and relevant requirements of the *SEC*.

Such an exemption might not specify an expiry date so that renewal applications would not be required.

As discussed in section 8.3, the exemption could also likely permit the applicant to apply the *FASB Standard* (despite any indication to the contrary in the *FASB Standard*) to disclosure relating to non-conventional *oil and gas activities*.

No such exemption would likely affect the principle that all disclosed *reserves* and related estimates must be prepared by a *qualified reserves evaluator or auditor*. A *reporting issuer* that wishes to substitute other *evaluation or audit* standards would likely have to demonstrate that such other standards are clearly identifiable and not less comprehensive than those set out in the *COGE Handbook*.

It is also unlikely that any such exemption would alter the requirements of Parts 3, 5 or 6 of *NI 51-101* in respect of the role and responsibilities of directors, requirements relating to certain voluntary disclosure, or material change reporting. For example, in the absence of applicable *SEC* requirements, relevant provisions of Part 5 of *NI 51-101* relating to the use of *BOEs* or to disclosure of an estimate of fair value of a prospect would still apply to the extra disclosure.

Such a discretionary exemption would likely contemplate modifications of the reports of the *qualified reserves evaluator or auditor* and of management and directors, prescribed respectively by items 2 and 3 of section 2.1 of *NI 51-101*, to the extent necessary to reflect the substance of the exemption. It is unlikely that such an exemption would waive the requirement to file these reports.

No such exemption would likely be provided in connection with an initial public offering of securities or a reverse take-over or similar transaction.

**(b) Likely Conditions to Discretionary Exemption**

An exemption contemplated in this section 8.4 would likely be conditional on the *reporting issuer* furnishing and adhering to undertakings substantially as follows:

- (i) **Disclosure of exemption and effect** - an undertaking to include, reasonably proximate to all written disclosure that the *reporting issuer* makes in reliance on the exemption, a statement
  - (A) of the *reporting issuer's* reliance on the exemption;
  - (B) that explains generally the nature of the information being disclosed and identifies the standards and the source of the standards being applied (if it is not otherwise readily apparent); and
  - (C) to the effect that the information disclosed may differ from corresponding information prepared in accordance with *NI 51-101* standards (if that is the case), and explains the difference (if any);
- (ii) **Specified disclosure standards to be applied** - an undertaking to disclose, for the purpose of item 1 of section 2.1 of *NI 51-101*:
  - (A) the information required by the *FASB Standard*;
  - (B) the information required by *SEC* Industry Guide 2 "Disclosure of Oil and Gas Operations", as amended from time to time;

- (C) any other information concerning matters addressed in *Form 51-101F1* that is required by *FASB* or by the *SEC*; and
  - (D) if the *reporting issuer* is engaged in extracting, by mining, *bitumen* or *oil* from oil sands, shale or coal, the information required by *SEC Industry Guide 7 "Description of Property by Issuers Engaged or to be Engaged in Significant Mining Operations"*, as amended from time to time;
- (iii) **Voluntary extra disclosure not required by *SEC* or *FASB*** - an undertaking that, if the *reporting issuer* (despite its exemption) makes public disclosure of a type contemplated in *NI 51-101* or *Form 51-101F1* but not required by the *SEC*:
- (A) if the disclosure is of a nature and subject matter referred to in Part 5 of *NI 51-101*, and if there are no applicable *SEC* requirements or restrictions specific to that type of disclosure, the disclosure will be made in compliance with Part 5; and
  - (B) if the disclosure includes estimates of *reserves* or related *future net revenue* in categories not required by the *SEC*:
    - (I) the disclosure will
      - a. apply the *reserves* categories set out in the *COGE Handbook*; or
      - b. set out the *reserves* categories being used in enough detail to make them understandable to a reader, identify the source of those *reserves* categories, state that those *reserves* categories differ from the *reserves* categories set out in the *COGE Handbook* (if that is the case) and explain the differences (if any);
    - (II) if the disclosure includes an estimate of *future net revenue*, it will also include the corresponding estimate of *reserves* (although disclosure of an estimate of *reserves* might not have to be accompanied by an estimate of the related *future net revenue*).
    - (III) if the disclosure includes an estimate of *reserves* for a category other than *proved reserves* or proved oil and gas reserve quantities, it will also include an estimate of *proved reserves* (or proved oil and gas reserve quantities) based on the same price and cost assumptions, with the price assumptions disclosed;
    - (IV) unless the extra disclosure is made involuntarily, the *reporting issuer* will include disclosure of the same type in its subsequent annual filings under Part 2 of *NI 51-101* for as long as the information is material; and

- (V) for the purpose of clause (IV) above, if the triggering disclosure was an estimate for a particular *property*, unless that *property* is highly material for the *reporting issuer* its subsequent annual disclosure of that type of estimate will also include aggregate estimates for the *reporting issuer* and by country (or, if appropriate and not misleading, by *foreign geographic area*), not only estimates for that *property*.

Although the exemption might not require that an estimate of *reserves* be accompanied by an estimate of related *future net revenue*, the *CSA* would generally expect disclosure of *reserves* alone to be supplemented by information such as the development and *production* status of the *reserves* and the *reporting issuer's* plans for the development of the *reserves*, so that disclosure of *reserves* volume alone is not misleading.

For the purpose of this undertaking, disclosure would be considered to be made involuntarily if, for example:

- it was made not by or at the instigation of the *reporting issuer* but instead by the operator of a joint venture of which the *reporting issuer* is a member but not the operator, for and on behalf of all the joint venturers; or
- it was made by the *reporting issuer* solely in compliance with its material change disclosure obligations under *securities legislation*.

Although the exemption might permit a *reporting issuer* to apply definitions and standards other than those presented in the *COGE Handbook*, the *CSA* would expect consistency in a *reporting issuer's* use and disclosure of other standards within and between reporting periods.

The conditions set out above are designed to ensure that the extra disclosure applies clearly identified standards and definitions and that, if the information is *material* to the *reporting issuer*, similar information is provided in the subsequent annual filings, to enable investors to assess and compare that information from year to year.

#### Consequence of Voluntary Extra Disclosure: Examples

Following are examples of key consequences that would likely follow, under such undertakings, for a *reporting issuer* that voluntarily makes extra disclosure.

- If the *reporting issuer* discloses *probable reserves* (without related *future net revenue*) estimated using *constant prices and costs*, its subsequent annual filings would have to include estimates of *probable reserves* estimated using *constant prices and costs* in addition to *SEC*-mandated disclosure of proved oil and gas reserve quantities and the standardized measure.
- If the *reporting issuer* discloses *probable reserves* and related *future net revenue* estimated using *constant prices and costs*, its subsequent annual filings would

have to include estimates of *probable reserves* and related *future net revenue* using *constant prices and costs* in addition to the *SEC*-mandated disclosure.

- If the *reporting issuer* discloses *probable reserves* (with or without related *future net revenue*) estimated using *forecast prices and costs*, its subsequent annual filings would have to include such estimates as well as estimates of *proved reserves* and related *future net revenue*, estimated using *forecast prices and cost*, in addition to the *SEC*-mandated disclosure.

**8.5 Stacking of Exemptions** - The possible discretionary exemptions discussed in this Part are not necessarily mutually exclusive.

In appropriate circumstances, *securities regulatory authorities* or *regulators* would likely be prepared to consider granting, on application by *reporting issuers* that fall within the classes contemplated in both sections 8.2 and 8.3 or in both sections 8.2 and 8.4, exemptions that combine the elements contemplated in those respective sections.

**8.6 Exemption not Conferring Immunity** - A discretionary exemption from any part of *NI 51-101* would not imply a lesser scope or degree of regulatory review of the *reporting issuer's* disclosure. The *reporting issuer* would still be subject to regulatory review of its filings and other disclosure, and enforcement of its disclosure obligations, whether the obligations are as set out in *securities legislation* or modified by the terms of an exemption.

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**APPENDIX 1**  
**to**  
**COMPANION POLICY 51-101CP**  
**STANDARDS OF DISCLOSURE**  
**FOR OIL AND GAS ACTIVITIES**

**GLOSSARY**

Section 1.1 of National Instrument 51-101 *Standards of Disclosure for Oil and Gas Activities* ("NI 51-101") defines a number of terms used in NI 51-101, Form 51-101F1, Form 51-101F2, Form 51-101F3 and this Companion Policy. Section 1.2 of NI 51-101 provides that terms used in the *Instrument* but not defined in the *Instrument*, NI 14-101 or the securities statute in the *jurisdiction* have the meaning or interpretation, if any, set out in the *COGE Handbook*.

This Appendix explains much of the terminology used in NI 51-101 and its accompanying documents. It is provided only as a convenience to users of NI 51-101, to assist them in better understanding the purpose and application of NI 51-101.

Part 1 of this Appendix sets out, in alphabetical order, certain terms and their meanings. Part 2 sets out certain *reserves* definitions derived from the *COGE Handbook*.

The explanations in this Appendix are derived from a number of sources, including section 1.1 of NI 51-101, NI 14-101 and the *COGE Handbook*. If the explanation is derived from another source, the source document is indicated in square brackets after the explanation (even if the explanation is not verbatim to the source document).

Background or further guidance may be found in the source documents:

- *CICA Accounting Guideline 5* is included in the *CICA Handbook*, which can be obtained from the *CICA*.
- The *COGE Handbook* can be obtained from the Petroleum Society of the Canadian Institute of Mining, Metallurgy & Petroleum (Telephone (403) 237-5112; email [info@petsoc.org](mailto:info@petsoc.org); or [www.petsoc.org](http://www.petsoc.org)).
- *FAS 19*, *FAS 69* and the *FASB Standard* can be obtained from *FASB*, the United States Financial Accounting Standards Board.
- *SEC Industry Guide 7 "Description of Property by Issuers Engaged or to be Engaged in Significant Mining Operations"* can be obtained from the *SEC*.
- *NI 14-101* can be viewed on the websites of a number of *securities regulatory authorities*.

**PART 1 DEFINITIONS**

The terms (and plural, singular or other grammatical variants thereof) set out in the left column below have the meanings respectively set out in the right column.

<b>Defined Term</b>	<b>Meaning</b>
<b><i>1934 Act</i></b>	The Securities Exchange Act of 1934 of the United States of America, as amended from time to time. [NI 14-101]
<b><i>Annual information form</i></b>	<p>Any of the following:</p> <ul style="list-style-type: none"> <li>(a) a "current AIF", as defined in NI 44-101;</li> <li>(b) in the case of a <i>reporting issuer</i> that is eligible to file, for the purpose of Part 3 of NI 44-101, a current annual report on Form 10-K or Form 20-F under the <i>1934 Act</i>, such a current annual report so filed; or</li> <li>(c) a document prepared in Form 44-101F1 <i>AIF</i> and filed with the <i>securities regulatory authority</i> in the <i>jurisdiction</i> in accordance with <i>securities legislation</i> of that <i>jurisdiction</i> other than NI 44-101.</li> </ul> <p>[NI 51-101]</p>
<b><i>Associated gas</i></b>	The gas cap overlying a <i>crude oil</i> accumulation in a <i>reservoir</i> . See <i>gas</i> .
<b><i>Audit</i></b>	<p>In relation to <i>reserves data</i>, the process whereby an <i>independent qualified reserves auditor</i> carries out procedures designed to allow the <i>independent qualified reserves auditor</i> to provide reasonable assurance, in the form of an opinion that the <i>reporting issuer's reserves data</i> (or specific parts thereof) have, in all material respects, been determined and presented in accordance with the <i>COGE Handbook</i> and are, therefore, free of material misstatement.</p> <p>Because of</p> <ul style="list-style-type: none"> <li>(a) the nature of the subject matter (estimates of future results with many uncertainties);</li> <li>(b) the fact that the <i>independent qualified reserves auditor</i> assesses the qualifications and experience of the <i>reporting issuer's</i> staff, assesses the <i>reporting issuer's</i> systems, procedures and controls and relies on the competence of the</li> </ul>

*reporting issuer's* staff and the appropriateness of the *reporting issuer's* systems, procedures and controls; and

- (c) the fact that tests and samples (involving examination of underlying documentation supporting the determination of the *reserves* and *future net revenue*) as opposed to complete *evaluations*, are involved;

the level of assurance is designed to be high, though not absolute.

The level of assurance cannot be described with numeric precision. It will usually be less than, but reasonably close to, that of an *independent evaluation* and considerably higher than that of a *review*.

[*COGE Handbook*]

<b><i>Bbl</i></b>	Barrel.
<b><i>Bitumen</i></b>	A highly viscous <i>oil</i> which is too thick to flow in its native state, and which cannot be produced without altering its viscosity. The density of <i>bitumen</i> is generally less than 10 degrees API (as that term is defined by the American Petroleum Institute).
<b><i>BOEs</i></b>	Barrels of <i>oil</i> equivalent. [ <i>NI 51-101</i> and <i>COGE Handbook</i> ]
<b><i>Canadian GAAP</i></b>	Generally accepted accounting principles determined with reference to the <i>CICA Handbook</i> . [ <i>NI 14-101</i> ]
<b><i>CICA</i></b>	The Canadian Institute of Chartered Accountants. [ <i>NI 51-101</i> ]
<b><i>CICA Accounting Guideline 5</i></b>	Accounting Guideline AcG-5 "Full cost accounting in the oil and gas industry" included in the <i>CICA Handbook</i> , as amended from time to time. [ <i>NI 51-101</i> ]
<b><i>CICA Handbook</i></b>	The Handbook of the <i>CICA</i> , as amended from time to time.
<b><i>COGE Handbook</i></b>	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).
<b><i>Constant prices and costs</i></b>	Prices and costs used in an estimate that are: <ul style="list-style-type: none"> <li>(a) the <i>reporting issuer's</i> prices and costs as at the <i>effective date</i> of the estimation, held constant throughout the estimated lives of the <i>properties</i> to which the estimate applies;</li> </ul>

- (b) if, and only to the extent that, there are fixed or presently determinable future prices or costs to which the *reporting issuer* 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 paragraph (a).

For the purpose of paragraph (a), the *reporting issuer's* prices will be the posted price for *oil* and the spot price for *gas*, after historical adjustments for transportation, gravity and other factors.

[*COGE Handbook*]

***Crude oil***

A mixture that consists mainly of pentanes and heavier hydrocarbons, which may contain sulphur and other non-hydrocarbon compounds, that is recoverable at a well from an underground *reservoir* and that is liquid at the conditions under which its volume is measured or estimated. It does not include *solution gas* or *natural gas liquids*.

[*COGE Handbook*]

**CSA**

The Canadian Securities Administrators, an association consisting of the thirteen securities regulatory authorities in Canada.

***Developed non-producing reserves***

See Part 2 of this Appendix. [*COGE Handbook*]

***Developed producing reserves***

See Part 2 of this Appendix. [*COGE Handbook*]

***Developed reserves***

See Part 2 of this Appendix. [*COGE Handbook*]

***Development costs***

Costs incurred to obtain access to *reserves* and to provide facilities for extracting, treating, gathering and storing the *oil* and *gas* from the *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, to the extent necessary in developing the *reserves*;

- (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 the 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. [*CICA Accounting Guideline 5*]

***Development well***

A well drilled inside the established limits of an *oil* or *gas reservoir*, or in close proximity to the edge of the *reservoir*, to the depth of a stratigraphic horizon known to be productive. [*CICA Accounting Guideline 5*]

***Effective date***

In respect of information, the date as at which, or for the period ended on which, the information is provided.

***Evaluation***

In relation to *reserves data*, the process whereby an economic analysis is made of a *property* to arrive at an estimate of a range of net present values of the estimated *future net revenue* resulting from the production of the *reserves* associated with the *property*. [*COGE Handbook*]

***Exploration costs***

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* (sometimes referred to in part as "prospecting costs") 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 sometimes 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*.

[CICA Accounting Guideline 5]

***Exploratory well*** A well that is not a *development well*, a *service well* or a *stratigraphic test well*. [CICA Accounting Guideline 5]

***FAS 19*** FASB Statement of Financial Accounting Standards No. 19 "Financial Accounting and Reporting by Oil and Gas Producing Companies", as amended from time to time. [NI 51-101]

***FAS 69*** FASB Statement of Financial Accounting Standards No. 69 "Disclosure about Oil and Gas Producing Activities - an amendment of FASB Statements 19, 25, 33 and 39", as amended from time to time.

***FASB*** United States Financial Accounting Standards Board.

***FASB Standard*** The following:

- (a) *FAS 69*; and
- (b) paragraphs .103, .106, .107, .108, .112, .160 through .167, .174 through .184, and .401 through .408 of *FASB Current Text Section O15, "Oil and Gas Producing Activities"*, which also reflects *FAS 69*.

***Field*** An area consisting of a single *reservoir* or multiple *reservoirs* all grouped on or related to the same individual geological structural feature and/or stratigraphic condition.

There may be two or more *reservoirs* in a *field* that are separated vertically by intervening impervious strata or laterally by local geologic barriers, or both. *Reservoirs* that are associated by being in overlapping or adjacent *fields* may be treated as a single or common operational *field*. The geological terms "structural feature" and

"stratigraphic condition" are intended to denote localized geological features, in contrast to broader terms such as "basin", "trend", "province", "play" or "area of interest".

[*FASB Standard* paragraph .403]

***Forecast prices and costs***

Future prices and costs that are:

- (a) generally accepted as being a reasonable outlook of the future;
- (b) if, and only to the extent that, there are fixed or presently determinable future prices or costs to which the *reporting issuer* 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 paragraph (a).

***Foreign geographic area***

A geographic area outside North America within one country or including all or portions of a number of countries.

***Form 51-101F1***

Form 51-101F1 *Statement of Reserves Data and Other Oil and Gas Information.*

***Form 51-101F2***

Form 51-101F2 *Report on Reserves Data by Independent Qualified Reserves Evaluator or Auditor.*

***Form 51-101F3***

Form 51-101F3 *Report of Management and Directors on Oil and Gas Disclosure.*

***Future income tax expenses***

*Future income tax expenses* estimated (generally, year-by-year):

- (a) making appropriate allocations of estimated unclaimed costs and losses carried forward for tax purposes, between *oil and gas activities* and other business activities;
- (b) without deducting estimated future costs (for example, Crown royalties) that are not deductible in computing taxable income;
- (c) taking into account estimated tax credits and allowances (for example, royalty tax credits); and
- (d) applying to the future pre-tax net cash flows relating to the *reporting issuer's oil and gas activities* the appropriate year-end statutory tax rates, taking into account future tax rates already legislated.

***Future net revenue***

The estimated net amount to be received with respect to the development and *production* of *reserves* (including *synthetic oil*, coal bed methane and other non-conventional *reserves*) estimated using:

- (a) *constant prices and costs*; or
- (b) *forecast prices and costs*.

This net amount is computed by deducting, from estimated future revenues:

- estimated amounts of future royalty obligations;
- costs related to the development and *production* of *reserves*;
- *well abandonment costs*; and
- *future income tax expenses*, unless otherwise specified in *NI 51-101*, *Form 51-101F1* or *Form 51-101F2*.

Corporate general and administrative expenses and financing costs are not deducted. Net present values of *future net revenue* may be calculated using a discount rate or without discount.

***Gas (or natural gas)***

The lighter hydrocarbons and associated non-hydrocarbon substances occurring naturally in an underground *reservoir*, which under atmospheric conditions are essentially gases but which may contain *natural gas liquids*.

*Gas* can exist in a *reservoir* either

- (a) dissolved in *crude oil (solution gas)*; or
- (b) in a gaseous phase (*associated gas* or *non-associated gas*).

Non-hydrocarbon substances may include hydrogen sulphide, carbon dioxide and nitrogen.

[*COGE Handbook*]

***Gross***

- (a) In relation to a *reporting issuer's* interest in *production* or *reserves*, its "company gross reserves", which are the *reporting issuer's* working interest (operating or non-operating) share before deduction of royalties and without including any royalty interests of the *reporting issuer*.  
[*COGE Handbook*]
- (b) In relation to wells, the total number of wells in which a *reporting issuer* has an interest.

- (c) In relation to *properties*, the total area of properties in which a *reporting issuer* has an interest.

**Heavy oil**

In respect of *reserves* or *production*:

- (a) in a *jurisdiction* that has a royalty regime specific to *heavy oil*, "*heavy oil*" is *oil* that qualifies for royalties specific to *heavy oil*; or
- (b) in a *jurisdiction* that has no royalty regime specific to *heavy oil*, "*heavy oil*" is *oil* with a density between 10 to 22.3 degrees API (as that term is defined by the American Petroleum Institute). [*COGE Handbook*]

**Independent**

In respect of the relationship between a *reporting issuer* and a *qualified reserves evaluator or auditor*, the term has the meaning set out in the *COGE Handbook*.

**Instrument  
(or NI 51-101)**

NI 51-101 *Standards of Disclosure for Oil and Gas Activities*.

**Jurisdiction**

For the purposes of *NI 51-101*, a province or territory of Canada. [*NI 14-101*]

**Lease**

An agreement granting to the lessee rights to explore, develop and exploit a *property*.

**Marketable**

In respect of *reserves* or sales of *oil*, *gas* or associated by-products, the volume of *oil*, *gas* or associated by-products measured at the point of sale to a third party, or of transfer to another division of the issuer for treatment prior to sale to a third party. For *gas*, this may occur either before or after removal of *natural gas liquids*. For *heavy oil* or *bitumen*, this is before the addition of diluent.

**Material (or  
materiality)**

For the purposes of *NI 51-101*, information is *material*, in respect of a *reporting issuer*, if it would be likely to influence a decision by a reasonable investor to buy, hold or sell a security of the *reporting issuer*.

This meaning differs from the definitions of "material change" and "material fact" in securities legislation, but is consistent with the meaning of the term as used, for accounting purposes, in the *CICA Handbook*.

[*NI 51-101*]

**Mcf**

Thousand cubic feet.

<b><i>McfGE</i></b>	Thousand cubic feet of gas equivalent. [NI 51-101 and COGE Handbook]
<b><i>Natural gas</i></b>	<i>Gas.</i> [COGE Handbook]
<b><i>Natural gas liquids</i></b>	Those hydrocarbon components that can be recovered from <i>natural gas</i> as liquids including, but not limited to, ethane, propane, butanes, pentanes plus, condensate and small quantities of non-hydrocarbons.  [COGE Handbook]
<b><i>Net</i></b>	<p>(a) In relation to a <i>reporting issuer's</i> interest in <i>production</i> or <i>reserves</i>, the <i>reporting issuer's</i> working interest (operating or non-operating) share after deduction of royalty obligations, plus the <i>reporting issuer's</i> royalty interests in <i>production</i> or <i>reserves</i>. [COGE Handbook]</p> <p>(b) In relation to a <i>reporting issuer's</i> interest in wells, the number of wells obtained by aggregating the <i>reporting issuer's</i> working interest in each of its <i>gross</i> wells.</p> <p>(c) In relation to a <i>reporting issuer's</i> interest in a <i>property</i>, the total area in which the <i>reporting issuer</i> has an interest multiplied by the working interest owned by the <i>reporting issuer</i>.</p>
<b><i>NI 14-101</i></b>	National Instrument 14-101 <i>Definitions</i> .
<b><i>NI 44-101</i></b>	National Instrument 44-101 <i>Short Form Prospectus Distributions</i> .
<b><i>NI 51-101</i> or the <i>Instrument</i></b>	National Instrument 51-101 <i>Standards of Disclosure for Oil and Gas Activities</i> .
<b><i>Non-associated gas</i></b>	An accumulation of <i>natural gas</i> in a <i>reservoir</i> where there is no <i>crude oil</i> . See <i>gas</i> .
<b><i>Oil</i></b>	<i>Crude oil</i> or <i>synthetic oil</i> . [COGE Handbook]
<b><i>Oil and gas activities</i></b>	" <i>Oil and gas activities</i> ":  (a) include:  (i) the search for <i>crude oil</i> or <i>natural gas</i> in their natural states and original locations;

- (ii) the acquisition of property rights or *properties* for the purpose of further exploring for or removing *oil* or *gas* from *reservoirs* on those *properties*;
  - (iii) the construction, drilling and *production* activities necessary to recover *oil* and *gas* from *reservoirs*, and the acquisition, construction, installation and maintenance of *field* gathering and storage systems, including lifting *oil* and *gas* to the surface and gathering, treating, *field* processing and *field* storage; and
  - (iv) the extraction of hydrocarbons from oil sands, shale, coal or other non-conventional sources and activities similar to those referred to in clauses (i), (ii) and (iii) undertaken with a view to such extraction; but
- (b) do not include:
- (i) transporting, refining or marketing *oil* or *gas*;
  - (ii) activities relating to the extraction of natural resources other than *oil* and *gas* and their by-products; or
  - (iii) the extraction of geothermal steam or of hydrocarbons as a by-product of the extraction of geothermal steam or associated geothermal resources.

[NI 51-101]

***Operating costs***

*Production costs.*

***Possible reserves***

See Part 2 of this Appendix. [COGE Handbook]

***Preparation date***

In respect of written disclosure, the most recent date to which information relating to the period ending on the *effective date* was considered in the preparation of the disclosure.

***Probable reserves***

See Part 2 of this Appendix. [COGE Handbook]

***Production***

Recovering, gathering, treating, *field* or plant processing (for example, processing *gas* to extract *natural gas liquids*) and *field* storage of *oil* and *gas*.

The *oil production* function is usually regarded as terminating at the outlet valve on the lease or *field production* storage tank. The *gas production* function is usually regarded as terminating at the plant gate. In some circumstances, it may be more appropriate to regard the

*production* function as terminating at the first point at which *oil*, *gas* or their by-products are delivered to a main pipeline, a common carrier, a refinery or a marine terminal.

***Production costs*** (or  
***Operating costs***)

Costs incurred to operate and maintain wells and related equipment and facilities, including applicable *operating costs of support equipment and facilities* and other costs of operating and maintaining those wells and related equipment and facilities.

Lifting costs become part of the cost of *oil* and *gas* produced.

Examples of *production costs* are:

- (a) costs of labour to operate the wells and related equipment and facilities;
- (b) costs of repairs and maintenance;
- (c) costs of materials, supplies and fuel consumed, and supplies utilized, in operating the wells and related equipment and facilities;
- (d) costs of workovers;
- (e) property taxes and insurance costs applicable to *properties* and wells and related equipment and facilities; and
- (f) taxes, other than income and capital taxes.

***Production group***

One of the following together, in each case, with associated by-products:

- (a) light and medium *crude oil* (combined);
- (b) *heavy oil*;
- (c) *associated gas* and *non-associated gas* (combined); and
- (d) *bitumen*, *synthetic oil* or other products from non-conventional *oil and gas activities*.

***Product type***

One of the following:

- (a) in respect of conventional *oil and gas activities*:
  - (i) light and medium *crude oil* (combined);

- (ii) *heavy oil*;
  - (iii) *natural gas* excluding *natural gas liquids*; or
  - (iv) *natural gas liquids*; and
- (b) in respect of non-conventional *oil and gas activities*:
- (i) *synthetic oil*;
  - (ii) *bitumen*;
  - (iii) coal bed methane; or
  - (iv) hydrates.

[NI 51-101]

***Professional organization***

A self-regulatory organization of engineers, geologists, other geoscientists or other professionals whose professional practice includes *reserves evaluations* or *reserves audits*, that:

- (a) admits members primarily on the basis of their educational qualifications;
- (b) requires its members to comply with the professional standards of competence and ethics prescribed by the organization that are relevant to the estimation, *evaluation*, *review* or *audit* of *reserves data*;
- (c) has disciplinary powers, including the power to suspend or expel a member; and
- (d) is either:
  - (i) given authority or recognition by statute in a Canadian jurisdiction; or
  - (ii) accepted for this purpose by the *securities regulatory authority* or the *regulator*.

[NI 51-101]

***Property***

A *property* includes:

- (a) fee ownership or a lease, concession, agreement, permit, licence or other interest representing the right to extract *oil* or *gas* subject to such terms as may be imposed by the

conveyance of that interest;

- (b) royalty interests, *production* payments payable in *oil* or *gas*, and other non-operating interests in *properties* operated by others; and
- (c) an agreement with a foreign government or authority under which a *reporting issuer* participates in the operation of *properties* or otherwise serves as "producer" of the underlying *reserves* (in contrast to being an independent purchaser, broker, dealer or importer).

A *property* does not include supply agreements, or contracts that represent a right to purchase, rather than extract, *oil* or *gas*.

[CICA Accounting Guideline 5]

***Property acquisition costs***

Costs incurred to acquire a *property* (directly by purchase or lease, or indirectly by acquiring another corporate entity with an interest in the *property*), including:

- (a) costs of lease bonuses and options to purchase or lease a *property*;
- (b) the portion of the costs applicable to hydrocarbons when land including rights to hydrocarbons is purchased in fee;
- (c) brokers' fees, recording and registration fees, legal costs and other costs incurred in acquiring *properties*.

[CICA Accounting Guideline 5]

***Prospect***

A geographic or stratigraphic area, in which the *reporting issuer* owns or intends to own one or more *oil* and *gas* interests, which is geographically defined on the basis of geological data and which is reasonably anticipated to contain at least one *reservoir* or part of a *reservoir* of *oil* and *gas*.

***Proved property***

A *property* or part of a *property* to which *reserves* have been specifically attributed.

***Proved reserves***

See Part 2 of this Appendix. [COGE Handbook]

***Qualified reserves auditor***

An individual who:

- (a) in respect of particular *reserves data* or related information, possesses professional qualifications and experience appropriate for the estimation, *evaluation*, *review* and *audit* of

the *reserves data* and related information; and

- (b) is a member in good standing of a *professional organization*.

[NI 51-101]

***Qualified reserves evaluator***

An individual who:

- (a) in respect of particular *reserves data* or related information, possesses professional qualifications and experience appropriate for the estimation, *evaluation* and *review* of the *reserves data* and related information; and

- (b) is a member in good standing of a *professional organization*.

[NI 51-101]

***Qualified reserves evaluator or auditor***

A *qualified reserves auditor* or a *qualified reserves evaluator*.

[NI 51-101]

***Regulator***

The *securities regulatory authority* or a person who holds a specified position with the *securities regulatory authority* (in several instances, its Executive Director or Director) in each *jurisdiction*.

[NI 14-101]

***Reporting issuer***

- (a) A "reporting issuer" as defined in *securities legislation*; or

- (b) in a *jurisdiction* in which the term is not defined in *securities legislation*, an issuer of securities that is required to file financial statements with the *securities regulatory authority*.

***Reservation***

In relation to a report on *reserves data*, a modification of the standard report of an *independent qualified reserves evaluator or auditor* on *reserves data* set out in *Form 51-101F2*, caused by a departure from the *COGE Handbook* or by a limitation in the scope of work that the *independent qualified reserves evaluator or auditor* considers necessary. A modification may take the form of a qualified or adverse opinion or a denial of opinion.

***Reserves***

See Part 2 of this Appendix. [*COGE Handbook*]

**Reserves data**

The following estimates, as at the last day of the *reporting issuer's* most recent financial year:

- (a) *proved reserves* and related *future net revenue* estimated:
  - (i) using *constant prices and costs* as at the last day of that financial year; and
  - (ii) using *forecast prices and costs*; and
- (b) *probable reserves* and related *future net revenue* estimated using *forecast prices and costs*.

[NI 51-101]

**Reservoir**

A porous and permeable underground formation containing a natural accumulation of producible *oil* or *gas* that is confined by impermeable rock or water barriers and is individual and separate from other *reservoirs*. [CICA Accounting Guideline 5]

**Resources**

Those quantities of *oil* and *gas* estimated to exist originally in naturally occurring accumulations.

*Resources* are, therefore, those quantities estimated on a particular date to be remaining in known accumulations plus those quantities already produced from known accumulations plus those quantities in accumulations yet to be discovered.

*Resources* are divided into:

- (a) discovered *resources*, which are limited to known accumulations; and
- (b) undiscovered *resources*.

[COGE Handbook]

**Review**

In relation to the role of a *qualified reserves evaluator or auditor* in respect of *reserves data*, steps carried out by the *qualified reserves evaluator or auditor*, consisting primarily of enquiry, analytical procedures, analysis, review of historical reserves performance and discussion with *reserves* management staff related to a *reporting issuer's reserves data*, with the limited objective of assessing whether the *reserves data* is "plausible" in the sense of appearing to be worthy of belief based on the information obtained by the *qualified reserves evaluator or auditor* as a result of carrying out such steps. Examination of documentation is not required unless the information does not appear to be plausible.

A *reserves review*, due to the limited nature of the investigation involved, does not provide the level of assurance provided by a *reserves audit*. Although *reserves reviews* can be done for specific applications, they are not a substitute for an *audit*.

[*COGE Handbook*]

**SEC**

The Securities and Exchange Commission of the United States of America. [*NI 14-101*]

**Securities legislation**

The statute (in most cases entitled the "Securities Act") and subordinate legislation (in most cases including regulations or rules) specified, for each *jurisdiction*, in *NI 14-101*.

References in *NI 51-101* to *securities legislation* are to be read as references to *securities legislation* in the particular *jurisdiction*.

**Securities regulatory authority**

The securities commission or comparable body specified, for each *jurisdiction*, in *NI 14-101*.

References in *NI 51-101* to the *securities regulatory authority* are to be read as references to the *securities regulatory authority* in the particular *jurisdiction*.

**SEDAR**

The System for Electronic Document Analysis and Retrieval referred to in National Instrument 13-101 *System for Electronic Document Analysis and Retrieval (SEDAR)*.

**Senior producing issuer**

A *reporting issuer* that:

- (a) demonstrates capability to estimate its *reserves* and *future net revenue* in accordance with the *COGE Handbook* (other than with respect to *independence*); and
- (b) produced an average of more than 100,000 *BOEs* of *oil* and *gas* (converted in the ratio 6 *Mcf* : 1 *bbl*) per day throughout its most recent financial year.

**Service well**

A well drilled or completed for the purpose of supporting *production* in an existing *field*. Wells in this class are drilled for the following specific purposes: *gas* injection (*natural gas*, propane, butane or flue gas), water injection, steam injection, air injection, salt-water disposal, water supply for injection, observation, or injection for combustion.

[*CICA Accounting Guideline 5*]

- Solution gas***                      *Gas dissolved in crude oil. See gas.*
- Stratigraphic test well***        A drilling effort, geologically directed, to obtain information pertaining to a specific geologic condition. Ordinarily, such wells are drilled without the intention of being completed for hydrocarbon *production*. They include wells for the purpose of core tests and all types of expendable holes related to hydrocarbon exploration.
- Stratigraphic test wells* are classified as
- (a) "exploratory type" if not drilled into a *proved property*; or
  - (b) "development type", if drilled into a *proved property*. Development type stratigraphic wells are also referred to as "evaluation wells". [*CICA Accounting Guideline 5*]
- Support equipment and facilities***                      Equipment and facilities used in *oil and gas activities*, including seismic equipment, drilling equipment, construction and grading equipment, vehicles, repair shops, warehouses, supply points, camps, and division, district or field offices.
- Supporting filing***                      A document that has been filed by the *reporting issuer* with a *securities regulatory authority*. [*NI 51-101*]
- Synthetic oil***                      A mixture of hydrocarbons derived by upgrading crude *bitumen* from oil sands or kerogen from oil shales or other substances such as coal.
- [*COGE Handbook*]
- Undeveloped reserves***                      See Part 2 of this Appendix. [*COGE Handbook*]
- Unproved property***                      A *property* or part of a *property* to which no *reserves* have been specifically attributed.
- Well abandonment costs***                      Costs of abandoning a well (net of salvage value) and of disconnecting the well from the surface gathering system. They do not include costs of abandoning the gathering system or reclaiming the wellsite.

**PART 2 DEFINITIONS OF RESERVES**

This Part is derived from Section 5.4 of Volume 1 of the *COGE Handbook* (First Edition, June 30, 2002). Consult the *COGE Handbook* for additional explanation and guidance.

The following definitions and guidelines have been prepared by the Standing Committee on Reserves Definitions of the CIM (Petroleum Society) after many years of consultations and deliberations. These definitions and guidelines must be used by qualified evaluators when evaluating and reporting oil and gas reserves and related substances.

The definitions and guidelines are designed to assist:

- evaluators in making reserves estimates on a reasonably consistent basis;
- users of evaluation reports in understanding what such reports contain and, if necessary, in judging whether evaluators have followed generally accepted standards.

The guidelines outline

- general criteria for classifying *reserves*,
- procedures and methods for estimating *reserves*,
- confidence levels of individual entity and aggregate *reserves* estimates,
- verification and testing of *reserves* estimates.

The determination of *oil* and *gas reserves* involves the preparation of estimates that have an inherent degree of associated uncertainty. Categories of *proved*, *probable*, and *possible reserves* have been established to reflect the level of these uncertainties and to provide an indication of the probability of recovery.

The estimation and classification of *reserves* requires the application of professional judgement combined with geological and engineering knowledge to assess whether or not specific *reserves* classification criteria have been satisfied. Knowledge of concepts including uncertainty and risk, probability and statistics, and deterministic and probabilistic estimation methods is required to properly use and apply *reserves* definitions. These concepts are presented and discussed in greater detail within the guidelines in Section 5.5 [of the *COGE Handbook*].

The following definitions apply to both estimates of individual *reserves* entities and the aggregate of *reserves* for multiple entities.

### **Reserves Categories**

*Reserves* are estimated remaining quantities of *oil* and *natural gas* and related substances anticipated to be recoverable from known accumulations, from a given date forward, based on

- analysis of drilling, geological, geophysical and engineering data;
- the use of established technology; and
- specified economic conditions<sup>1</sup>, which are generally accepted as being reasonable, and shall be disclosed.

*Reserves* are classified according to the degree of certainty associated with the estimates

- (a) **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*.
- (b) **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*.
- (c) **Possible reserves** are those additional *reserves* that are less certain to be recovered than *probable reserves*. It is unlikely that the actual remaining quantities recovered will exceed the sum of the estimated *proved plus probable plus possible reserves*.

Other criteria that must also be met for the categorization of *reserves* are provided in [Section 5.5 of the *COGE Handbook*].

### **Development and Production Status**

Each of the *reserves* categories (*proved*, *probable* and *possible*) may be divided into *developed* and *undeveloped* categories:

- (a) **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.

---

<sup>1</sup> For the purposes of NI 51-101, the key economic assumptions will be the prices and costs used in the estimate, namely:

- (a) **constant prices and costs** as at the last day of a reporting issuer's financial year; or
- (b) **forecast prices and costs**.

- (i) **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 certainty.
- (i) **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.
- (b) **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, possible*) to which they are assigned.

In multi-well pools it may be appropriate to allocate total pool *reserves* between the *developed* and *undeveloped* categories or to subdivide the *developed reserves* for the pool between *developed producing* and *developed non-producing*. This allocation should be based on the estimator's assessment as to the *reserves* that will be recovered from specific wells, facilities and completion intervals in the pool and their respective development and *production* status.

#### Levels of Certainty for Reported Reserves

The qualitative certainty levels referred to in the definitions above are applicable to individual reserves entities (which refers to the lowest level at which *reserves* calculations are performed) and to reported *reserves* (which refers to the highest-level sum of individual entity estimates for which *reserves* estimates are presented). Reported *reserves* should target the following levels of certainty under a specific set of economic conditions:

- at least a 90 percent probability that the quantities actually recovered will equal or exceed the estimated *proved reserves*;
- at least a 50 percent probability that the quantities actually recovered will equal or exceed the sum of the estimated *proved plus probable reserves*; and
- at least a 10 percent probability that the quantities actually recovered will equal or exceed the sum of the estimated *proved plus probable plus possible reserves*.

A quantitative measure of the certainty levels pertaining to estimates prepared for the various *reserves* categories is desirable to provide a clearer understanding of the associated risks and uncertainties. However, the majority of *reserves* estimates will be prepared using deterministic methods that do not provide a mathematically derived quantitative measure of probability. In principle, there should be no difference between estimates prepared using probabilistic or deterministic methods.

Additional clarification of certainty levels associated with *reserves* estimates and the effect of aggregation is provided in Section 5.5.3 [of the *COGE Handbook*].

**APPENDIX 2****to  
COMPANION POLICY 51-101CP  
STANDARDS OF DISCLOSURE  
FOR OIL AND GAS ACTIVITIES****SAMPLE RESERVES DATA DISCLOSURE****Format of Disclosure**

*NI 51-101* and *Form 51-101F1* offer *reporting issuers* considerable flexibility in the format of their disclosure of *reserves data* and related information. Whatever format and level of detail a *reporting issuer* chooses to use in satisfying the requirements of *NI 51-101*, the objective should be to enable reasonable investors to understand and assess the information, and compare it to corresponding information presented by the *reporting issuer* for other reporting periods or to similar information presented by other *reporting issuers*, in order to be in a position to make informed investment decisions concerning securities of the *reporting issuer*.

A logical and legible layout of information, use of descriptive headings, and consistency in terminology and presentation from document to document and from period to period, are all likely to further that objective.

*Reporting issuers* and their advisers are reminded of the materiality standard under section 1.4 of *NI 51-101*, and of the instructions in *Form 51-101F1*. See also sections 1.2, 2.2, 2.3 and 2.9 of Companion Policy 51-101CP.

**Sample Tables**

The following sample tables provide an example of how certain of the *reserves data* might be presented in a manner consistent with *NI 51-101*. Other manners of presentation may also satisfy the requirements of *NI 51-101*.

These sample tables do not reflect all of the information required by *Form 51-101F1*, and they have been simplified to reflect *reserves* in one country only. For the purpose of illustration, the sample tables also incorporate information not mandated by *NI 51-101* but which *reporting issuers* might wish to include in their disclosure; shading indicates this non-mandatory information.



**TOTAL FUTURE NET REVENUE  
(UNDISCOUNTED)  
as of December 31, 2003**

**CONSTANT PRICES AND COSTS**

RESERVES CATEGORY	REVENUE (M\$)	ROYALTIES (M\$)	OPERATING COSTS (M\$)	DEVELOPMENT COSTS (M\$)	WELL ABANDONMENT COSTS (M\$)	FUTURE NET REVENUE BEFORE INCOME TAXES (M\$)	FUTURE NET REVENUE AFTER INCOME TAXES (M\$)
Proved Reserves	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Proved Plus Probable Reserves	xxx	xxx	xxx	xxx	xxx	xxx	xxx

OPTIONAL

Reference: Item 2.1(3)(b) of Form 51-101F1

**FUTURE NET REVENUE  
BY PRODUCTION GROUP  
as of December 31, 2003**

**CONSTANT PRICES AND COSTS**

RESERVES CATEGORY	PRODUCTION GROUP	FUTURE NET REVENUE BEFORE INCOME TAXES (discounted at 10%/year) (M\$)
Proved Reserves	Light and Medium Crude Oil (including solution gas and other by-products) Heavy Oil (including solution gas and other by-products) Natural Gas (including by-products but excluding solution gas from oil wells)	xxx xxx xxx
Proved Plus Probable Reserves	Light and Medium Crude Oil (including solution gas and other by-products) Heavy Oil (including solution gas and other by-products) Natural Gas (including by-products but excluding solution gas from oil wells)	xxx xxx xxx

OPTIONAL

Reference: Item 2.1(3)(c) of Form 51-101 F1

**SUMMARY OF OIL AND GAS RESERVES  
AND NET PRESENT VALUES OF FUTURE NET REVENUE  
as of December 31, 2003  
FORECAST PRICES AND COSTS**

RESERVES CATEGORY	RESERVES										
	LIGHT AND MEDIUM OIL		HEAVY OIL		NATURAL GAS <sup>(1)</sup>		NATURAL GAS LIQUIDS				
	Gross (Mbbbl)	Net (Mbbbl)	Gross (Mbbbl)	Net (Mbbbl)	Gross (MMcf)	Net (MMcf)	Gross (Mbbbl)	Net (Mbbbl)	Gross (Mbbbl)	Net (Mbbbl)	
<b>PROVED</b>											
Developed Producing	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	
Developed Non-Producing	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	
Undeveloped	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	
<b>TOTAL PROVED</b>	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	
<b>PROBABLE</b>	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	
<b>TOTAL PROVED PLUS PROBABLE</b>	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	

(1) Estimates of reserves of natural gas may be reported separately for (i) associated and non-associated gas (combined) and (ii) solution gas.

RESERVES CATEGORY	NET PRESENT VALUES OF FUTURE NET REVENUE									
	BEFORE INCOME TAXES					AFTER INCOME TAXES				
	DISCOUNTED AT (%/year)					DISCOUNTED AT (%/year)				
	0 (MM\$)	5 (MM\$)	10 (MM\$)	15 (MM\$)	20 (MM\$)	0 (MM\$)	5 (MM\$)	10 (MM\$)	15 (MM\$)	20 (MM\$)
<b>PROVED</b>										
Developed Producing	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Developed Non-Producing	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
Undeveloped	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
<b>TOTAL PROVED</b>	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
<b>PROBABLE</b>	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx
<b>TOTAL PROVED PLUS PROBABLE</b>	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx

Reference: Item 2.2(1) and (2) of Form 51-101/F1

**TOTAL FUTURE NET REVENUE  
(UNDISCOUNTED)  
as of December 31, 2003**

**FORECAST PRICES AND COSTS**

RESERVES CATEGORY	REVENUE (M\$)	ROYALTIES (M\$)	OPERATING COSTS (M\$)	DEVELOPMENT COSTS (M\$)	WELL ABANDONMENT COSTS (M\$)	FUTURE NET REVENUE BEFORE INCOME TAXES (M\$)	INCOME TAXES (M\$)	FUTURE NET REVENUE AFTER INCOME TAXES (M\$)
Proved Reserves	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Proved Plus Probable Reserves	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx

Reference: Item 2.2(3)(b) of Form 51-101F1

**FUTURE NET REVENUE  
BY PRODUCTION GROUP  
as of December 31, 2003**

**FORECAST PRICES AND COSTS**

RESERVES CATEGORY	PRODUCTION GROUP	FUTURE NET REVENUE BEFORE INCOME TAXES (discounted at 10%/year) (M\$)
Proved Reserves	Light and Medium Crude Oil (including solution gas and other by-products) Heavy Oil (including solution gas and other by-products) Natural Gas (including by-products but excluding solution gas and by-products from oil wells)	xxx xxx xxx
Proved Plus Probable Reserves	Light and Medium Crude Oil (including solution gas and other by-products) Heavy Oil (including solution gas and other by-products) Natural Gas (including by-products but excluding solution gas from oil wells)	xxx xxx xxx

Reference: Item 2.2(3)(c) of Form 51-101F1

**SUMMARY OF PRICING ASSUMPTIONS**  
as of December 31, 2003

**CONSTANT PRICES AND COSTS**

Year	OIL <sup>(1)</sup>				NATURAL GAS <sup>(1)</sup> AECO Gas Price (\$Cdn/MMBtu)	NATURAL GAS LIQUIDS FOB Field Gate (\$Cdn/bbl)	EXCHANGE RATE <sup>(2)</sup> (\$US/\$Cdn)
	WTI Cushing Oklahoma (\$US/bbl)	Edmonton Par Price 40° API (\$Cdn/bbl)	Hardisty Heavy 12° API (\$Cdn/bbl)	Cromer Medium 29.3° API (\$Cdn/bbl)			
Historical (Year End)							
2000	xx	xx	xx	xx	xx	xx	xx
2001	xx	xx	xx	xx	xx	xx	xx
2002	xx	xx	xx	xx	xx	xx	xx
2003 (Year End)	xx	xx	xx	xx	xx	xx	xx

OPTIONAL

- (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.

Reference: Item 3.1 of Form 51-101 F1

**SUMMARY OF PRICING AND INFLATION RATE ASSUMPTIONS**  
as of December 31, 2003

**FORECAST PRICES AND COSTS**

Year	OIL <sup>(1)</sup>					NATURAL GAS <sup>(1)</sup> AECO Gas Price (\$Cdn/MMBtu)	NATURAL GAS LIQUIDS FOB Field Gate (\$Cdn/bbl)	INFLATION RATES <sup>(2)</sup> %/Year	EXCHANGE RATE <sup>(3)</sup> \$US/\$Cdn
	WTI Cushing Oklahoma \$US/bbl	Edmonton Par Price 40 <sup>0</sup> API \$Cdn/bbl	Hardisty Heavy 12 <sup>0</sup> API \$Cdn/bbl	Cromer Medium 29.3 <sup>0</sup> API \$Cdn/bbl					
Historical <sup>(4)</sup>									
2000	XX	XX	XX	XX	XX	XX	XX	XX	XX
2001	XX	XX	XX	XX	XX	XX	XX	XX	XX
2002	XX	XX	XX	XX	XX	XX	XX	XX	XX
2003	XX	XX	XX	XX	XX	XX	XX	XX	XX
Forecast									
2004	XX	XX	XX	XX	XX	XX	XX	XX	XX
2005	XX	XX	XX	XX	XX	XX	XX	XX	XX
2006	XX	XX	XX	XX	XX	XX	XX	XX	XX
2007	XX	XX	XX	XX	XX	XX	XX	XX	XX
2008	XX	XX	XX	XX	XX	XX	XX	XX	XX
Thereafter	XX	XX	XX	XX	XX	XX	XX	XX	XX

OPTIONAL

(1) This summary table identifies benchmark reference pricing schedules that might apply to a reporting issuer.  
 (2) Inflation rates for forecasting prices and costs.  
 (3) Exchange rates used to generate the benchmark reference prices in this table  
 (4) Item 3.2 (1)(b) of Form 51-101F1 also requires disclosure of the reporting issuer's weighted average historical prices for the most recent financial year (2003, in this example).

Reference: Item 3.2 of Form 51-101 F1

**RECONCILIATION OF  
COMPANY NET RESERVES  
BY PRINCIPAL PRODUCT TYPE  
[FORECAST/CONSTANT] PRICES AND COSTS <sup>(1)</sup>**

FACTORS	LIGHT AND MEDIUM OIL			HEAVY OIL			ASSOCIATED AND NON-ASSOCIATED GAS		
	Net Proved (Mbbbl)	Net Probable (Mbbbl)	Net Proved Plus Probable (Mbbbl)	Net Proved (Mbbbl)	Net Probable (Mbbbl)	Net Proved Plus Probable (Mbbbl)	Net Proved (MMcft)	Net Probable (MMcft)	Net Proved Plus Probable (MMcft)
December 31, 2002	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Extensions	xx	xx	xx	xx	xx	xx	xx	xx	xx
Improved Recovery	xx	xx	xx	xx	xx	xx	xx	xx	xx
Technical Revisions	xx	xx	xx	xx	xx	xx	xx	xx	xx
Discoveries	xx	xx	xx	xx	xx	xx	xx	xx	xx
Acquisitions	xx	xx	xx	xx	xx	xx	xx	xx	xx
Dispositions	xx	xx	xx	xx	xx	xx	xx	xx	xx
Economic Factors	xx	xx	xx	xx	xx	xx	xx	xx	xx
Production	xx	xx	xx	xx	xx	xx	xx	xx	xx
December 31, 2003	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx

(1) A reconciliation of reserves estimates may be presented using either *constant prices and costs* or *forecast prices and costs* provided that the price and cost case is indicated in the disclosure of the reserves reconciliation.

Reference: Item 4.1 of Form 51-101F1

**RECONCILIATION OF CHANGES IN  
NET PRESENT VALUES OF FUTURE NET REVENUE  
DISCOUNTED AT 10% PER YEAR**

**PROVED RESERVES**

**CONSTANT PRICES AND COSTS**

PERIOD AND FACTOR	2003 (M\$)	2002 (M\$)
Estimated Future Net Revenue at Beginning of Year	xxx	xxx
Sales and Transfers of Oil and Gas Produced, Net of Production Costs and Royalties	xx	xx
Net Change in Prices, Production Costs and Royalties Related to Future Production	xx	xx
Changes in Previously Estimated Development Costs Incurred During the Period	xx	xx
Changes in Estimated Future Development Costs	xx	xx
Extensions and Improved Recovery	xx	xx
Discoveries	xx	xx
Acquisitions of Reserves	xx	xx
Dispositions of Reserves	xx	xx
Net Change Resulting from Revisions in Quantity Estimates	xx	xx
Accretion of Discount	xx	xx
Net Change in Income Taxes	xx	xx
Estimated Future Net Revenue at End of Year	xxx	xxx

OPTIONAL

Reference: Item 4.2 of *Form 51-101F1*

**NOTES TO SAMPLE TABLES**

1. These sample tables do not reflect all of the information required by *Form 51-101F1*, and they have been simplified to reflect reserves in one country only, with no non-conventional oil and gas activities.
2. For the purpose of illustration, the sample tables also incorporate information not mandated by *NI 51-101* but which reporting issuers might wish to include in their disclosure; shading indicates that this information is optional.
3. "M\$" means thousands of dollars.
4. The estimates of *future net revenue* presented in the sample tables do not represent fair market value. (Reference: Section 5.6 of *NI 51-101*).

**Applications to  
Provincial Parliament — Private Bills  
Demandes au Parlement  
provincial — Projets de loi d'intérêt privé**

**PUBLIC NOTICE**

The rules of procedure and the fees and costs related to applications for Private Bills are set out in the Standing Orders of the Legislative Assembly. Copies of the Standing Orders, and the guide "Procedures for Applying for Private Legislation", may be obtained from the Legislative Assembly's Internet site at <http://www.ontla.on.ca> or from:

Committees Branch  
Room 1405, Whitney Block, Queen's Park  
Toronto, Ontario M7A 1A2

Telephone: 416/325-3500 (Collect calls will be accepted.)

Applicants should note that consideration of applications for Private Bills that are received after the first day of September in any calendar year may be postponed until the first regular Session in the next following calendar year.

(8699) T.F.N. CLAUDE L. DESROSIERS,  
Clerk of the Legislative Assembly.

**Corporation Notices  
Avis relatifs aux compagnies**

**C.S.I. MANAGEMENT SYSTEMS INC. (O.C.N. 627984)**

TAKE NOTICE that a final meeting of the shareholders of the above corporation was held on the 23rd day of March, 2003, at which time the liquidator of the above corporation presented her account and an explanation of the voluntary winding up of the above Corporation.

DATED this 17th day of September, 2003.

MARILYN BRADLEY  
Liquidator

**C.S.I. MANAGEMENT SYSTEMS INC. (O.C.N. 627984)**

TAKE NOTICE that the shareholders of C.S.I. Management Systems Inc. passed a special resolution on March 23, 2003 requiring the corporation to be wound up voluntarily under the provisions of the *Business Corporations Act*, R.S.O. 1990.

DATED this 17th day of September, 2003.

(4478) 41 MR. DAVID BRADLEY  
President

**SPECIAL RESOLUTION OF THE SHAREHOLDER OF  
DEBDONELL HOLDINGS LIMITED**

WHEREAS subsection 193(1) of the *Business Corporations Act* (Ontario) (the "Act") provides that the shareholders of a corporation may, by special resolution, require a Corporation to be wound up voluntarily;

AND WHEREAS the Corporation has ceased to carry on business and it is proposed that it be wound up voluntarily pursuant to the provisions of section 193 of the Act;

NOW THEREFORE BE IT RESOLVED AS A SPECIAL RESOLUTION THAT:

1. the Corporation is hereby required to be wound up voluntarily pursuant to the provisions of section 193 of the Act, effective as of September 30, 2003;
2. Donald Baillie Green be and he is hereby appointed liquidator of the effects of the Corporation for the purpose of winding up its business and affairs and distributing its property;

3. for his services to be provided as liquidator of the Corporation, Donald B. Green shall be compensated with the sum of one dollar (\$1.00) and all expenses of the winding up of the Corporation shall be payable as the liquidator shall consider to be necessary and reasonable in his sole discretion out of the assets of the Corporation;
4. the liquidator shall not be required to give any security for the performance of his duties as liquidator;
5. any one director or officer of the Corporation is hereby authorized and directed on behalf of and in the name of the Corporation to do all other acts and things and to sign all such other documents, either under the corporate seal of the Corporation or otherwise, as may in his opinion be necessary or desirable in connection with such winding up, the execution of such document or the doing of any such other act or thing being conclusive evidence of such determination.

The foregoing resolution is hereby passed as evidenced by the signature of the sole shareholder of the Corporation pursuant to the *Business Corporations Act* (Ontario) this 30th day of September, 2003, at 4:00 p.m.

DEBDONELL HOLDINGS LIMITED  
Per:  
DONALD B. GREEN  
President  
(4484) 41

**Sheriff's Sales of Lands  
Ventes de terrains par le shérif**

UNDER AND BY VIRTUE OF a Writ of Seizure and Sale issued out of the Superior Court of Justice at Windsor, Ontario dated the 11th day of April, 1991, Court File Number 236/85, to me directed, against the real and personal property of; MILE MARIC Defendant at the suit of GENERAL MOTORS OF CANADA LIMITED, Plaintiffs, I have seized and taken in execution all the right, title, interest and equity of redemption of, MILE MARIC, Defendant in and to:

Lots 1158, 1159, Part of Lot 1157, and Part of Block W (part alley closed by R426906) Plan 821, in the Town of LaSalle, in the County of Essex, as in R1144256, known municipally as 2375 Delmar Street, Windsor, Ontario. N9H 1L3.

All of which said right, title, interest and equity of redemption of (full name) MILE MARIC, Defendant, in the said lands and tenements described above, I shall offer for sale by Public Auction subject to the conditions set out below at the Court House, 245 Windsor Avenue, Windsor Ontario. N9A 1J2 on Tuesday the 18th day of November, 2003, at 10:00 a.m.

**CONDITIONS:**

The purchaser to assume responsibility for all mortgages, charges, liens, outstanding taxes, and other encumbrances. No representation is made regarding the title of the land or any other matter relating to the interest to be sold. Responsibility for ascertaining these matters rests with the potential purchaser(s).

**TERMS:** Deposit 10% of bid price or \$1,000.00, whichever is greater

- Payable at time of sale by successful bidder
- To be applied to purchase price
- Non-refundable

Ten business days from date of sale to arrange financing and pay balance in full at (location of enforcement office) Sheriff's Office, 245 Windsor Avenue, Windsor, On.  
All payments in cash or certified cheque made payable to the Minister of Finance  
Deed Poll provided by Sheriff only upon satisfactory payment in full of purchase price  
Other conditions as announced

This sale is subject to cancellation by the sheriff without further notice up to time of sale.

NOTE: No employee of the Ministry of the Attorney General may purchase any goods or chattels, lands or tenements exposed for sale by a Sheriff under legal process, either directly or indirectly.

Date: September 23, 2003.

(4473) 41

SHERIFF, County of Essex  
245 Windsor Avenue,  
Windsor, On. N9A 1J2

UNDER AND BY VIRTUE OF a Writ of Seizure and Sale issued out of the Superior Court of Justice at Windsor, Ontario, dated the 11th day of July, 2002, Court File Number 02-GS-31399, to me directed, against the real and personal property of, ALBA T. GAUDIO Defendant at the suit of, CITIBANK CANADA Plaintiff, I have seized and taken in execution all the right, title, interest and equity of redemption of, ALBA T. GAUDIO, Defendant in and to:

Lot 419, Plan M154, in the Town of Tecumseh, in the County of Essex, known municipally as 610 Green Valley, Windsor, Ontario. N8N 4N3.

All of which said right, title, interest and equity of redemption of, ALBA T. GAUDIO, Defendant, in the said lands and tenements described above, I shall offer for sale by Public Auction subject to the conditions set out below at the Court House, 245 Windsor Avenue, Windsor Ontario. N9A 1J2 on Thursday the 13th day of November, 2003, at 10:00 a.m.

**CONDITIONS:**

The purchaser to assume responsibility for all mortgages, charges, liens, outstanding taxes, and other encumbrances. No representation is made regarding the title of the land or any other matter relating to the interest to be sold. Responsibility for ascertaining these matters rests with the potential purchaser(s).

**TERMS:** Deposit 10% of bid price or \$1,000.00, whichever is greater

- Payable at time of sale by successful bidder
- To be applied to purchase price
- Non-refundable

Ten business days from date of sale to arrange financing and pay balance in full at (location of enforcement office) Sheriff's Office, 245 Windsor Avenue, Windsor, On.

All payments in cash or certified cheque made payable to the Minister of Finance

Deed Poll provided by Sheriff only upon satisfactory payment in full of purchase price

Other conditions as announced

This sale is subject to cancellation by the sheriff without further notice up to time of sale.

NOTE: No employee of the Ministry of the Attorney General may purchase any goods or chattels, lands or tenements exposed for sale by a Sheriff under legal process, either directly or indirectly.

Date: September 23, 2003.

(4474) 41

SHERIFF, County of Essex  
245 Windsor Avenue,  
Windsor, On. N9A 1J2

**Sales of Lands for Tax Arrears  
by Public Tender  
Ventes de terrains par appel d'offres  
pour arriéré d'impôt**

*Municipal Act, 2001*

SALE OF LANDS BY PUBLIC TENDER

**THE CORPORATION OF THE TOWNSHIP OF CHISHOLM**

TAKE NOTICE that tenders are invited for the purchase of the land(s) described below and will be received until 3:00 p.m., local time, on

Monday, October 27, 2003, at the Township of Chisholm Municipal Office. The tenders will then be opened in public on the same day at 3:00 p.m.

Description of Lands: 2. Parcel 2542 Nipissing, Concession 7, Part Lot 11 (.50 acres).

Minimum Tender Amount: \$1,430.38

(set out the cancellation price as of the first day of advertising)

Tenders must be submitted in the prescribed form and must be accompanied by a deposit in the form of a money order or of a bank draft or cheque certified by a bank or trust corporation payable to the Municipality (or board) and representing at least 20 per cent of the tender amount.

Except as follows, the municipality makes no representation regarding the title to or any other matters relating to the land to be sold. Responsibility for ascertaining these matters rests with the potential purchasers.

The land(s) does (do) not include the mobile homes situate on the land(s). (*Strike out if not applicable.*)

This sale is governed by the *Municipal Act, 2001*, and the Municipal Tax Rules made under that Act. The successful purchaser will be required to pay the amount tendered plus accumulated taxes and the relevant land transfer tax.

The municipality has no obligation to provide vacant possession to the successful purchaser.

For further information regarding this sale and a copy of the prescribed form of tender contact:

CLERK-TREASURER  
Corporation of the Township of  
Chisholm  
2847 Chiswick Line, R.R. #4  
Powassan, Ontario POH 1Z0

(4472) 41

*Municipal Act, 2001*

SALE OF LANDS BY PUBLIC TENDER

**THE CORPORATION OF THE TOWN OF INNISFIL**

TAKE NOTICE that tenders are invited for the purchase of the lands described below and will be received until 3:00 p.m. local time on October 30, 2003 at the Office of the Treasurer of the Town of Innisfil, 2147 Innisfil Beach Road, Innisfil, Ontario L9S 1A1.

The tenders will then be opened in public on the same day at the Town of Innisfil Council Chambers, 2147 Innisfil Beach Road, Innisfil, Ontario L9S 1A1

Description of Land(s): Lots 170, 171 and 172, Plan 759, Town of Innisfil, County of Simcoe, being all of P.I.N. 58989-0217 (LT), Tax Roll #43-16-010-011-13800.

Minimum Tender Amount: \$2,783.10

Description of Land(s): Lot 8, Plan 1268, Town of Innisfil, County of Simcoe, being all of P.I.N. 74005-0033 (LT), Tax Roll #43-16-010-029-15800.

Minimum Tender Amount: \$7,138.04

Tenders must be submitted in the prescribed form and must be accompanied by a deposit of money order or a bank draft or cheque certified by a bank or trust corporation payable to the Town of Innisfil and representing at least 20 per cent of the tender amount.

Except as follows, the municipality makes no representation regarding the title to or other matters relating to the land to be sold. Responsibility for ascertaining these matters rests with the potential purchasers.

This sale is governed by the *Municipal Act, 2001*, *The Municipal Tax Sales Act, R.S.O. 1990* and the Municipal Tax Sales Rules made under that Act. The successful purchaser will be required to pay the amount

tendered plus accumulated taxes and the relevant land transfer tax and relevant goods and services tax, if applicable.

The municipality has no obligation to provide vacant possession to the successful purchaser.

For further information regarding this sale and a copy of the prescribed form of tender contact:

ANDREW COWAN, Treasurer  
The Corporation of the Town of  
Innisfil  
2147 Innisfil Beach Road  
Innisfil, Ontario  
L9S 1A1

(4476) 41

*Municipal Act, 2001*

SALE OF LANDS BY PUBLIC TENDER

**MUNICIPALITY OF DYSART ET AL**

TAKE NOTICE that tenders are invited for the purchase of the lands described below and will be received until 3:00 p.m., local time, on Wednesday, October 29, 2003, at the Township Office, Maple Avenue, Haliburton, Ontario. KOM 1S0. The tenders will then be opened in public on the same day at 3:01 p.m. in the Municipality of Dysart et al Council Chambers.

Description of Lands: 1. Con 2 Pt Lot 7 RP19R477, Part 2 Less Part 6 Plan 39591, 3.79 AC, 661.98 FR, Township of Dysart, Roll No. 010-000-12502-0000, (Vacant Land).  
Minimum Tender Amount: \$2,293.25

Description of Lands: 2. Con 7 Pt Lot 19 Lot 20, 5.00 AC, 1320.00 FR, Township of Dysart, Roll No. 011-000-28100-0000, (Vacant Land).  
Minimum Tender Amount: \$2,434.95

Description of Lands: 3. Con 7 Pt Lot 20, 2.02 AC, 305.44 FR, Township of Dysart, Roll No. 011-000-31800-0000, (Vacant Land).  
Minimum Tender Amount: \$2,593.27

Description of Lands: 4. Con 1 Pt Lot 7, Sixthly on C24, 0.57 AC, 446.93 FR, Township of Dudley, Roll No. 020-000-05000-0000, (Vacant Land).  
Minimum Tender Amount: \$2,435.69

Description of Lands: 5. Con 1 Pt Lot 9 W Hwy 121E, 0.55 AC, 352.67 FR, Township of Dudley, Roll No. 020-000-07201-0000, (Vacant Land).  
Minimum Tender Amount: \$2,517.27

Description of Lands: 6. Con 2 Pt Lot 12 Plan 482, Lot 50, 0.50 AC, 100.00 FR, Township of Dudley, Roll No. 020-000-20500-0000, (Vacant Land).  
Minimum Tender Amount: \$2,454.70

Description of Lands: 7. Con 2 Pt Lot 12 Plan 482, Lot 77 and 1/6 Int in Blk F, 0.34 AC, 112.00 FR, Township of Dudley, Roll No. 020-000-23200-0000, (Vacant Land).  
Minimum Tender Amount: \$2,126.14

Description of Lands: 8. Con 2 Pt Lot 18 Plan 484, Lot 71, 0.87 AC, 85.68 FR, Township of Dudley, Roll No. 020-000-38100-0000, (Vacant Land).  
Minimum Tender Amount: \$2,257.16

Description of Lands: 9. Con 4 Pt Lot 4 Plan 527, Lot 12, 0.80 AC, 160.24 FR, Township of Dudley, Roll No. 020-000-67200-0000, (Vacant Land).  
Minimum Tender Amount: \$2,228.91

Description of Lands: 10. Con 4 Pt Lot 4 Plan 527, Lot 13, 0.80 AC, 160.08 FR, Township of Dudley, Roll No. 020-000-67300-0000, (Vacant Land).  
Minimum Tender Amount: \$2,239.91

Description of Lands: 11. Con 4 Pt Lot 5 Plan 527, Lot 23, 0.78 AC, 159.95 FR, Township of Dudley, Roll No. 020-000-71800-0000, (RDU).  
Minimum Tender Amount: \$5,646.64

Description of Lands: 12. Con 3 Pt Lot 29, Shown 29ly on Survey, 0.69 AC, 150.00 FR, Township of Harcourt, Roll No. 030-000-33600-0000, (Vacant Land).  
Minimum Tender Amount: \$2,325.65

Description of Lands: 13. Con 2 Pt Lot 31 Plan 582, Lot 131, 2.39 AC, 195.23 FR, Township of Guilford, Roll No. 040-000-22700-0000, (Vacant Land).  
Minimum Tender Amount: \$2,082.64

Description of Lands: 14. Con 3 Pt Lot 27 Lot 28, Plan 547 Lot 15, 2.01 AC, 165.61 FR, Township of Guilford, Roll No. 040-000-54900-0000, (Vacant Land).  
Minimum Tender Amount: \$2,788.70

Description of Lands: 15. Con 5 Pt Lot 1, 12.00 AC, Township of Guilford, Roll No. 041-000-00200-0000, (RDU).  
Minimum Tender Amount: \$4,750.11

Description of Lands: 16. Con 7 Pt Lot 31, RP19R4034 Pt 2, 3.89 AC, 248.46 FR, Township of Guilford, Roll No. 041-000-34705-0000, (Vacant Land).  
Minimum Tender Amount: \$2,182.34

Description of Lands: 17. Con 6 Pt Lot 11 Plan 568, Lot 14, Includes one fourteenth, Interest Blk B and D, 1.38 AC, 269.45 FR, Township of Harburn, Roll No. 050-000-39000-0000, (Vacant Land).  
Minimum Tender Amount: \$3,956.33

Description of Lands: 18. Con 6 Pt Lot 12 Plan 568, Lot 3, Includes one fourteenth, Interest, Blk B and D, 1.22 AC, 193.00 FR, Township of Harburn, Roll No. 050-000-40700-0000, (Vacant Land).  
Minimum Tender Amount: \$4,372.05

Description of Lands: 19. Con 10 Pt Lot 18 Plan 348, Pt Lot 38 RP 19R5066 Part 4, 0.33 AC, 94.45 FR, Township of Harburn, Roll No. 050-000-66750-0000, (Vacant Land).  
Minimum Tender Amount: \$5,346.10

Description of Lands: 20. Con 10 Pt Lot 18 Plan 348, Pt Blk B RP19R5066 Part 1, 1.25 AC, 217.05 FR, Township of Harburn, Roll No. 050-000-77500-0000, (Vacant Land).  
Minimum Tender Amount: \$7,164.80

Tenders must be submitted in the prescribed form and must be accompanied by a deposit in the form of a money order or of a bank draft or cheque certified by a bank or trust corporation payable to the Municipality of Dysart *et al* and representing at least 20 per cent of the tender amount.

The Municipality makes no representation regarding the title to or any other matters relating to the land to be sold. Responsibility of ascertaining these matters rests with the potential purchasers. Should a survey be necessary the cost will be added to the cancellation price.

This sale is governed by the *Municipal Act, 2001*, and the Municipal Tax Rules made under that Act. The successful purchaser will be required to pay the amount tendered plus accumulated taxes and the relevant land transfer tax.

The municipality has no obligation to provide vacant possession to the successful purchaser.

For further information regarding this sale and a copy of the prescribed form of tender contact:

(4477) 41  
DARLENE MADILL,  
Deputy Clerk Treasurer  
Municipality of Dysart et al

*Municipal Act, 2001*

## SALE OF LANDS BY PUBLIC TENDER

**THE CORPORATION OF THE TOWNSHIP OF  
SABLES-SPANISH RIVERS**

TAKE NOTICE that tenders are invited for the purchase of the land(s) described below and will be received until 3:00 p.m., local time, on November 12, 2003 at the Corporation of the Township of Sable-Spanish Rivers, 11 Birch Lake Road, R.R. #3, Site 1, Box 5 Massey, Ontario POP 1P0. The tenders will then be opened in public at 7:30 p.m. on the same day at The Corporation of the Township of Sables-Spanish Rivers Council Chambers, 11 Birch Lake Road, Massey, Ontario POP 1P0.

Description of Lands: Parcel 29488, Victoria Section 32, Part 5, Plan 53R-12479, Corporation of the Township of Sables-Spanish Rivers, District of Sudbury, Roll No. 000-004-22303-0000.  
Minimum Tender Amount: \$2,648.38

Description of Lands: Parcel 8618 Sudbury West Section, Lot 11, Plan M-14, Corporation of the Township of Sables-Spanish Rivers, District of Sudbury, Roll No. 000-010-27700-0000.  
Minimum Tender Amount: \$2,666.48

Description of Lands: Parcel 8618 Sudbury West Section, Lot 12, Plan M-14, Corporation of the Township of Sables-Spanish Rivers, District of Sudbury, Roll No. 000-010-27800-0000.  
Minimum Tender Amount: \$2,672.41

Tenders must be submitted in the prescribed form and must be accompanied by a deposit in the form of a money order or of a bank draft or cheque certified by a bank or trust corporation payable to the Municipality and representing at least twenty per cent (20%) of the tender amount.

Except as follows, the Municipality makes no representation regarding the title to or any other matters relating to the land to be sold. Responsibility for ascertaining these matters rests with the potential purchasers.

The land(s) do(es) not include the mobile homes situate on the land(s). (If applicable).

This sale is governed by the *Municipal Act, 2001*, and the Municipal Tax Rules made under that Act. The successful purchaser will be required to pay the amount tendered plus accumulated taxes and the relevant land transfer tax.

The municipality has no obligation to provide vacant possession to the successful purchaser.

For further information regarding this sale and a copy of the prescribed form of tender contact:

(4479) 41  
PATRICIA DELINE, Treasurer  
The Corporation of the Township of  
Sables-Spanish Rivers  
11 Birch Lake Road  
R.R. #3, Site 1, Box 5  
Massey, Ontario POP 1P0  
Telephone # (705) 865-2646

*Municipal Act, 2001*

## SALE OF LANDS BY PUBLIC TENDER

**THE CORPORATION OF THE TOWNSHIP OF  
ORO-MEDONTE**

TAKE NOTICE that tenders are invited for the purchase of the lands described below and will be received until 3:00 p.m., local time, on Monday, November 3, 2003, at the Township of Oro-Medonte Municipal Office 148 Line 7 South, Box 100, Oro, Ontario L0L 2X0.

The tenders will be opened in public on the same day at the said location immediately after.

Description of Lands: A. Roll # 43 46 010 005 20118, Property Identification Number: 58548-0067(LT), Con 14 Pt. Lt 16 RP 51R 19270 Part 20.  
Minimum Tender Amount: \$7,384.65

Description of Lands: B. Roll # 43 46 010 005 22800, Property Identification Number: 58531-0094(LT), Plan 1452 Lot 8.  
Minimum Tender Amount: \$11,596.91

Description of Lands: C. Roll # 43 46 010 012 22836, Property Identification Number: 58564-0129(LT), Plan M381 Block 30.  
Minimum Tender Amount: \$5,566.30

Tenders must be submitted in the prescribed form and must be accompanied by a deposit in the form of a money order or of a bank draft or cheque certified by a bank or trust corporation payable to the municipality and representing at least 20 per cent of the tender amount.

Except as follows, the municipality makes no representation regarding the title to or any other matters relating to the land to be sold. Responsibility for ascertaining these matters rests with the potential purchasers.

This sale is governed by the *Municipal Act, 2001*, and the Municipal Tax Rules made under that Act. The successful purchaser will be required to pay the amount tendered plus accumulated taxes and the relevant land transfer tax.

The municipality has no obligation to provide vacant possession to the successful purchaser.

For further information regarding this sale and a copy of the prescribed form of tender contact:

(4480) 41  
PAUL GRAVELLE, Treasurer  
The Corporation of the Township  
of Oro-Medonte  
148 Line 7 South  
Box 100  
Oro, Ontario L0L 2X0  
(705) 487-2171  
www.oro-medonte.ca

*Municipal Act, 2001*

## SALE OF LANDS BY PUBLIC TENDER

**THE CORPORATION OF THE TOWNSHIP OF  
EDWARDSBURGH/CARDINAL**

TAKE NOTICE that tenders are invited for the purchase of the land(s) described below and will be received until 3:00 p.m., local time on Friday, the 14th of November, 2003 at the Township of Edwardsburgh/Cardinal Municipal Building, 18 Centre Street, Spencerville, Ontario.

The tenders will then be opened in public on the same day at 3:00 p.m. at the Council Chambers for The Township of Edwardsburgh/Cardinal.

Description of Lands: Roll No. 0701 702 005 31100 0000, Part of Lot 228, Plan 25, geographic Village of Cardinal, now Township of Edwardsburgh/Cardinal, County of Grenville, being the northerly thirty-two feet of even width throughout of said Lot 228, as described in Instrument Number 51931.  
Minimum Tender Amount: \$22,515.81

Description of Lands: Roll No. 0701 701 040 11301 0000, Part of the Heirs of Mrs. Imrie Block, Registered Plan No. 40, Village of Spencerville, geographic Township of Edwardsburgh, now Township of Edwardsburgh/Cardinal, County of Grenville, being Part 1 on Plan 15R-8766, Formerly in Lot 27, Concession 6, geographic Township of Edwardsburgh, as described in Instrument 126479.  
Minimum Tender Amount: \$4,591.62

Tenders must be submitted in the prescribed form and must be accompanied by a deposit in the form of a money order or of a bank draft or cheque certified by a bank or trust corporation payable to the Corporation of the Township of Edwardsburgh/Cardinal and representing at least 20 per cent of the tender amount.

The Corporation of the Township of Edwardsburgh/Cardinal makes no representation regarding the title to or any other matters relating to the land to be sold. Responsibility for ascertaining these matters rests with the potential purchasers.

This sale is governed by the *Municipal Tax Sales Act*, being Chapter M.60 of the Revised Statutes of Ontario, 1990 and the Municipal Tax Sales Rules made under that Act. The successful purchaser will be required to pay the amount tendered plus accumulated taxes and the relevant land transfer tax.

For further information regarding this sale and a copy of the prescribed form of tender contact:

RUSSELL TRIVETT, Treasurer  
The Corporation of the Township  
of Edwardsburgh/Cardinal,  
18 Centre Street,  
P.O. Box 129  
Spencerville, Ontario K0E 1X0  
(613) 658-3055

(4482) 41

*Municipal Act, 2001*

SALE OF LANDS BY PUBLIC TENDER

**THE CITY OF OTTAWA**

TAKE NOTICE that tenders are invited for the purchase of the lands described below and will be accepted if sealed in an envelope and clearly marked with the PIN (Property Identification Number) and the Roll Number of the property for which the tender is submitted, for example: "Tax Sale for: PIN 04634-0063 (LT) Roll No. 06 14 120 810 04800 0000." A separate tender must be submitted for each property. Tenders in the prescribed form, Tender to Purchase, Must be addressed as follows:

City of Ottawa, Revenue Office  
100 Constellation Crescent, 4th Floor  
Nepean, ON K2G 6J8  
Attention: Treasurer.

Tenders will be received ONLY at the above-mentioned address until 3 p.m. local time, Thursday, October 30, 2003. The tenders will then be opened in public at 100 Constellation Crescent, Ground Floor, immediately following the 3 p.m. deadline.

Description of Land: 1. Plan 4M967, BLKS 6 & 7, 38.22 FR 163.48 D, PIN 04256-0328 (LT) and PIN 04256-0329 (LT), Municipal Address: 0 Belfast Road (Vacant Land), (Roll No. 06 14 105 602 27291 0000).  
Minimum Tender Amount: \$13,617.40

Description of Land: 2. Lot 747, Plan 425894, Subject to, CR429926, CR429897, 75.00 FR 109.00 D, PIN 04634-0063 (LT), Municipal Address: 22 Cherrywood Drive, (Roll No. 06 14 120 810 04800 0000).  
Minimum Tender Amount: \$31,453.67

Description of Land: 3. Pt Lot 10, Con 7, Marlborough; N Pt Lt 11, Con 7, Marlborough as in CT167350, 100 AC and 4.16 AC 66.00 FR 750.00 D, PIN 03929-0225 (LT), Municipal Address: (Vacant Land), (Roll No. 06 14 181 830 07202 0000 and Roll No. 06 14 181 830 07400 0000).  
Minimum Tender Amount: \$42,002.60

Description of Land: 4. PCL 19-4, SEC 4D-24; Pt Unit 19, Pl 4D-24, Pt 1, 4R2606 Except Pt 1, 4R3057, 51.88 AC, PIN 03934-0023 (LT), Municipal Address: 0 Ottawa Street (Vacant Land), Roll No. 06 14 273 810 18700 0000).  
Minimum Tender Amount: \$78,924.26

Description of Land: 5. Lt 27, Pl 690, 100.00 FR 150.00 D, PIN 04584-0074 (LT), Municipal Address: 0 Cedar Street now "Tranquility Lane" (Vacant Land), (Roll No. 06 14 421 815 49800 0000).  
Minimum Tender Amount: \$8,221.43

Description of Land: 6. Pt Lt 5, Con 8 Torbolton, Pt 1, 5R3300, 1.05 AC, PIN 04544-0023 (LT), Municipal Address: Vacant Land, (Roll No. 06 14 421 840 39502 0000).  
Minimum Tender Amount: \$20,055.42

Description of Land: 7. Pt Lt 11, Con 4, Fitzroy as in FY12452 & FY13363 & Pt 1, 5R12467; 9.81 AC, PIN 04555-0021 (LT), Municipal Address: 3695 Kinburn Side Road, (Roll No. 06 14 422 810 14300 0000).  
Minimum Tender Amount: \$149,961.77

Description of Land: 8. Pt Lt 21, Con 6, Fitzroy, Part 1, 5R13511, 5.00 AC, PIN 04559-0204 (LT), Municipal Address: Vacant Land, (Roll No. 06 14 422 820 16200 0000).  
Minimum Tender Amount: \$16,018.80

Description of Land: 9. Pt Lt 23, Con 9, Huntley as in HU11622, 100.00 AC, PIN 04547-0040 (LT), Municipal Address: Vacant Land, (Roll No. 06 14 423 825 04100 0000).  
Minimum Tender Amount: \$21,491.39

Description of Land: 10. Firstly: Pt Lt 23; Con 1 OS Cumberland, as in CU20310; Except T/W CU20310, Secondly: Pt Lt 23, Con 1 OS, Cumberland as in CU20314; T/W CU20314, 2.41 AC, 1stly: PIN 14530-0197 (LT), 2ndly: PIN 14530 0216 (LT), Municipal Address: Vacant Land, (Roll No. 06 14 500 501 30000 0000).  
Minimum Tender Amount: \$17,789.31

Description of Land: 11. Lt 1, RCP 904, Gloucester Part 1, 5R1549, .80 AC, PIN 04589-0103 (LT), Municipal Address: 1369 Rhea Place Extension, (Roll No. 06 14 600 025 07400 0000).  
Minimum Tender Amount: \$26,932.41

Description of Land: 12. Pt Lt 31, Con 3, Osgoode as in N661278; S/T Debts in N661278, 10.00 AC 1390.74 FR, PIN 04293-0069 (LT), Municipal Address: Vacant Land, (Roll No. 0614 700 035 09602 0000).  
Minimum Tender Amount: \$16,266.08

**The sale of these properties is subject to cancellation up to the time of the tender opening without any further notice.**

The Minimum Tender amount represents the cancellation price as of the first day of advertising.

Tenders must be submitted in the prescribed form, Tender to Purchase, and must be accompanied by a deposit in the form of a money order or of a bank draft or cheque certified by a bank or trust company payable to the City of Ottawa and representing at least 20 per cent of the tender amount.

The municipality makes no representation regarding the title or any other matters relating to the land to be sold. Responsibility for ascertaining these matters rests with the potential purchasers.

This sale is governed by the *Municipal Act, 2001* and the Municipal Tax Sales Rules made under that Act. The successful purchaser will be required to pay the amount tendered plus accumulated taxes, penalties and interest, GST if applicable and the relevant land transfer tax within 14 days of being notified that he/she is the successful purchaser.

The municipality has no obligation to provide vacant possession to the successful purchaser.

**For further information regarding this sale and a copy of the prescribed form, Tender to Purchase, contact the following Collection Officers:**

**K. Kelly** (613) 580-2424, ext. 13741 or  
**P. Henri** (613) 580-2424, ext. 14093 or  
**L. Baker** (613) 580-2424, ext. 13740

**NOTE: Tender to Purchase forms must be picked up at the address noted below.**

**City of Ottawa, Revenue Office  
100 Constellation Crescent, 4th Floor  
Nepean, ON K2G 6J8**

Information will be available on the City of Ottawa Web site at ottawa.ca on Monday, October 6, 2003.

(4483) 41

# Publications under the Regulations Act Publications en vertu de la Loi sur les règlements

2003—10—11

## ONTARIO REGULATION 382/03

made under the

### WINE CONTENT AND LABELLING ACT, 2000

Made: September 22, 2003

Filed: September 23, 2003

Amending O. Reg. 659/00  
(Content and Labelling of Wine)

Note: Ontario Regulation 659/00 has not previously been amended.

**1. (1) Section 2 of Ontario Regulation 659/00 is amended by adding the following subsection:**

(2.1) Despite subsection (2), the minimum requirement set out in that subsection is reduced to 10 per cent grapes grown in Ontario or grape product produced from such grapes to which no water has been added at any time in the case of wine that is packaged on or after the day Ontario Regulation 382/03 comes into force and before February 1, 2005.

**(2) Subsection 2 (3) of the Regulation is amended by adding “or (2.1)” after “(2)”.**

41/03

NOTE: The Table of Regulations (Legislative History) and other tables related to regulations can be found at the e-Laws web site ([www.e-laws.gov.on.ca](http://www.e-laws.gov.on.ca)) under Tables. Consolidated regulations may also be found at that site under Consolidated Law.

REMARQUE : On trouve la Table des règlements (historique législatif) et d'autres tables liées aux règlements sur le site Web Lois-en-ligne ([www.lois-en-ligne.gouv.on.ca](http://www.lois-en-ligne.gouv.on.ca)) en cliquant sur «Tables». On y trouve également les règlements codifiés sous la rubrique «Textes législatifs codifiés».



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