

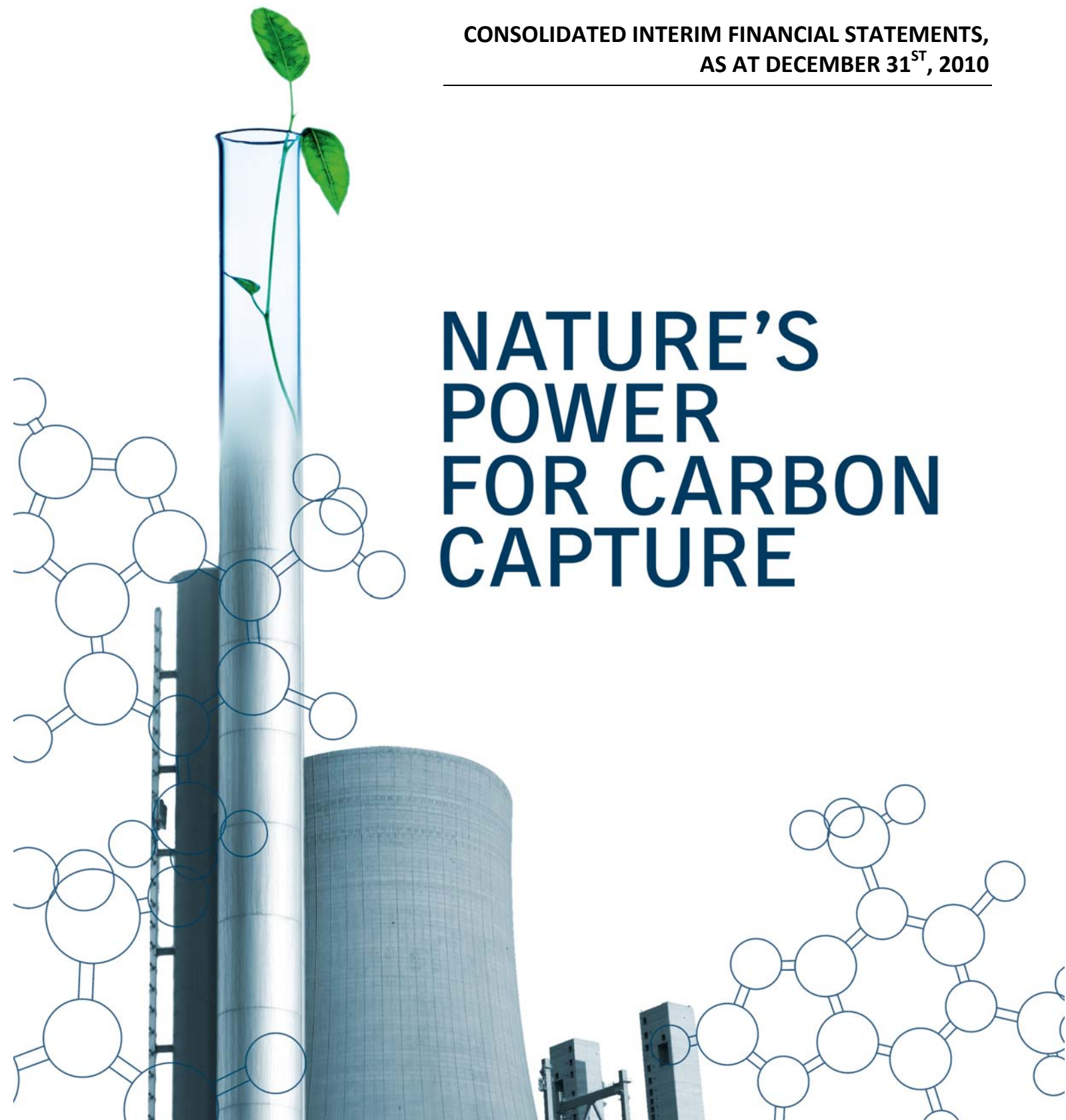
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CONSOLIDATED INTERIM FINANCIAL STATEMENTS,  
AS AT DECEMBER 31<sup>ST</sup>, 2010

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# NATURE'S POWER FOR CARBON CAPTURE





## MANAGEMENT'S DISCUSSION AND ANALYSIS FOR THE SECOND QUARTER ENDED DECEMBER 31<sup>ST</sup>, 2010

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### GENERAL

This management analysis of the operating results and the consolidated financial condition of CO<sub>2</sub> Solution, Inc. (“CO<sub>2</sub> Solution” or the “Company”) is for the three and six-month periods ended December 31<sup>st</sup>, 2010 and 2009. These consolidated interim financial statements include the accounts of the Company, its subsidiary companies and other entities, directly or indirectly controlled by the Company. This analysis must be read in conjunction with the financial statements for the second quarter of fiscal 2011, ended on December 31<sup>st</sup>, 2010, and with the Management’s Discussion and Analysis for the year ended June 30<sup>th</sup>, 2010, prepared in accordance with Canadian generally accepted accounting principles. Unless otherwise specified, all numbers are expressed in Canadian dollars.

### FORWARD-LOOKING STATEMENTS

All statements in this Management's Discussion and Analysis that are other than statements of historical facts are forward-looking statements which contain the Company's current expectations about its future results. Forward-looking statements, by their nature, involve risks and uncertainties.

Although the Company believes that the expectations reflected in all of its forward-looking statements are reasonable, it can give no assurance that such expectations will prove to be correct. A number of factors may affect the Company's future results and may cause those results to differ materially from those indicated in any forward-looking statements made by the Company. Other than as required by Canadian securities laws, the Company undertakes no obligation to publicly update or revise any of its forward-looking statements, whether as a result of changed circumstances, new information, future events or for any other reason occurring after the date of this Management's Discussion and Analysis.

### COMPANY OVERVIEW

CO<sub>2</sub> Solution is a leading developer of proprietary technologies for carbon dioxide (CO<sub>2</sub>) capture and management. More specifically, the Company is currently focused on commercializing an enzyme-based enabling technology for efficient CO<sub>2</sub> capture from fossil fuel-power plants and other large stationary emitters of CO<sub>2</sub>.

Since its establishment, the Company has worked on developing its technology platform and assembling a broad patent portfolio. To support this effort, it has raised capital, recruited highly-qualified personnel and established strategic partnerships and alliances.

## **SECTOR AND POTENTIAL MARKET OVERVIEW**

Climate change is already resulting in negative environmental and human consequences including the melting of the polar icecaps, rising sea levels, increasingly violent and destructive storms and persistent droughts, such as those seen in India and Russia over the last year. Our collective failure to deal with CO<sub>2</sub> emissions has already had important economic and social impacts and could cost the world economy more than U.S. \$20 Trillion by the end of the century (*Tufts University's Global Development and the Environment Institute*)<sup>1</sup>.

The consensus among the scientific community, the public and our governments is clear; the world is getting warmer due to human activity. This warming is accelerating and it is urgent that we act now to slow and eventually reverse this trend by reducing our greenhouse gas (GHG) emissions. While 2010 did not result in any substantial legislative progress in this regard, the period was marked by announcements of more than US \$500 million in new governmental funding for the research and development of carbon capture technologies, namely in the United States and France, a recognition that the development of lower cost technologies, such as the Company's, will be critical to exploiting the full GHG reduction potential of carbon capture and storage (CCS).

## **RECENT DEVELOPMENTS**

### **CO<sub>2</sub> Solution Signs Carbon Capture Collaboration with Global Leader in Energy Infrastructure**

On December 3<sup>rd</sup>, 2010, CO<sub>2</sub> Solution entered into an exclusive Collaboration Agreement (the "Agreement") covering the development and pilot scale testing of its carbon capture technology to reduce carbon dioxide pollution from coal-fired power plants, one of the world's largest sources of greenhouse gas emissions.

The parties to the Agreement include a global leader in energy and infrastructure projects with over 5 billion dollars in annual sales (the "Company"), and Codexis, Inc., CO<sub>2</sub> Solution's exclusive enzyme development and production partner.

Under the terms of the Agreement, CO<sub>2</sub> Solution, Codexis and the Company will collaborate over a period of up to 16 months on a pilot phase program to develop and test customized carbon capture enzymes and related processes for use in power plants to reduce greenhouse gas emissions. The Company will fund research activities under the collaboration, which may be expanded to a long-term development and commercialization agreement if milestones are met and subject to negotiation of such an agreement between the parties.

The Agreement is a result of a laboratory scale validation effort undertaken with the Company in the first half of 2010 which demonstrated that the enzyme technology has the potential to significantly increase the efficiency of certain carbon capture technologies for application to power plants.

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<sup>1</sup> [http://www.ase.tufts.edu/qdae/policy\\_research/CostsofInaction.html](http://www.ase.tufts.edu/qdae/policy_research/CostsofInaction.html)

CO<sub>2</sub> Solution will receive up to US \$3.4 million for its activities under the Collaboration Agreement. During the term of this collaboration, CO<sub>2</sub> Solution and Codexis will provide the Company with exclusive access to their respective technologies for use with specific systems in power generation and industrial applications. Correspondingly, the Company will work exclusively with CO<sub>2</sub> Solution and Codexis related to carbonic anhydrase (CA) enzymes in these applications.

### **CO<sub>2</sub> Solution and Codexis extend their Carbon Capture Joint Development Agreement**

Under the Joint Development Agreement, signed in December of 2009, Codexis and CO<sub>2</sub> Solution have collaborated on the development of customized carbonic anhydrase (“CA”) biocatalysts and related processes to enable the efficient capture of carbon dioxide from power plants and other large stationary emissions sources.

Program results to date have shown that the combined CO<sub>2</sub> Solution and Codexis proprietary technologies have the potential to significantly lower the capital and operating cost barriers associated with conventional technologies to capture CO<sub>2</sub> from power plant effluent gases.

This progress led to CO<sub>2</sub> Solution and Codexis entering into an exclusive Collaboration Agreement with a global leader in energy and infrastructure projects with over 5 billion dollars in annual sales, as announced on December 3<sup>rd</sup>, 2010, covering the development and pilot scale testing of the technology for coal-fired power plants, one of the largest global sources of harmful greenhouse gas emissions.

CO<sub>2</sub> Solution’s proprietary enzymatic method for the efficient capture of carbon dioxide from coal-fired power plants and other large sources of emissions will continue to be combined, on an exclusive basis, with Codexis’ directed enzyme evolution technology. The JDA will be extended until the later of June 30, 2012, or six months after the expiry of any third-party collaborations.

### **CO<sub>2</sub> Solution’s Scientific Advisory Board member, Dr. Roger Sheldon, honoured for Lifetime Achievements in Green Chemistry and Biocatalysis**

Dr. Sheldon received two prestigious awards in the fields of Green Chemistry and Biocatalysis. He is founder and Chief Executive Officer of CLEA Technologies B.V., a strategic collaborator of CO<sub>2</sub> Solution for carbon capture enzyme immobilization.

Dr. Sheldon was awarded the 2010 Green Chemistry Award from the Royal Society of Chemistry (RSC). The Green Chemistry Award is presented each year by the RSC, Europe’s largest organization for the advancement of chemical sciences, for the design, development or implementation of novel chemical products or processes which have the potential to reduce or eliminate the use and generation of hazardous substances. Dr. Sheldon received the 2010 award in recognition of the role that he has played as one of the founding fathers of green chemistry and in particular for his work on the development of clean, catalytic technologies for waste minimization and elimination of toxic/hazardous materials in chemicals manufacture.

He was also recently bestowed the honor of receiving the International Congress on Biocatalysis (Biocat) Award for Lifetime Achievement. Since 2002, Biocat has been a leading conference series bringing together international research leaders for knowledge sharing in the rapidly growing fields of biocatalysis and industrial biotechnology. The Biocat Award for Lifetime Achievement honours individuals who have made outstanding contributions over their careers to the field of biocatalysis, and advancing biocatalytic research to enable greener and more efficient industrial processes. Dr. Sheldon received the 2010 award for his lifelong commitment to advancing biocatalysis and his exemplary achievements in both academia and private.

## **OPERATING RESULTS**

### **Comparison between the three-month periods ended December 31<sup>st</sup>, 2010 and 2009**

#### Revenues

The Company recorded revenues for a research and development collaboration totalling \$242,496 for the three-month period ended December 31<sup>st</sup>, 2010 (nil for the same period in 2009). These revenues come from the Collaboration Agreement between CO<sub>2</sub> Solution, Codexis and a global leader in energy and infrastructure projects.

#### Technology platform development

Research and development expenditures, net of investment tax credits and government assistance, increased by \$73,224, totalling \$123,938 for the three-month period ended December 31<sup>st</sup>, 2010, compared with \$50,714 for the same period in 2009. This increase is mainly attributable to work done by consultants relative to enzyme performance characterization under various industrially relevant operating conditions as well as to explore new avenues for enzyme immobilization. These expenses have been reduced by an increase in government assistance in December 2009, for which the Company received a certification of eligibility within the framework of a precompetitive research project. In addition, the Company received a grant from the National Research Council of Canada (NRCC) for a maximum contribution of up to \$348,000.

#### Business development expenses

Business development expenses amounted to \$236,137 for the three-month period ended December 31<sup>st</sup>, 2010, compared with \$94,925 for the same period in 2009, representing an increase of \$141,212. This increase is mainly attributable to expenses incurred for the negotiations of various collaboration agreements with partners abroad.

#### General and administrative expenses

General and administrative expenses totalled \$350,104 for the three-month period ended December 31<sup>st</sup>, 2010, compared with \$294,056 for the same period in 2009, representing an increase of \$56,048. The main factors that contributed to this increase are:

- The hiring of additional administrative personnel in May 2009
- Professional fees related to the recruitment of scientific personnel

#### Financial expenses and interest income

Net financial expenses for the three-month period ended December 31<sup>st</sup>, 2010, totalled \$362 compared with revenues of \$218 for the same period in 2009, representing an increase in net financial expenses of \$580.

#### Loss for the period

The Company recorded a loss of \$467,466, or \$0.01 per share, for the three-month period ended December 31<sup>st</sup>, 2010, compared with a loss of \$439,477, or \$0.01 per share, for the same period in 2009, an increase of \$27,989. No significant factor, other than those described above, contributed to increasing the loss.

### **Comparison between the six-month periods ended December 31<sup>st</sup>, 2010 and 2009**

#### Revenues

For the six-month period ended December 31<sup>st</sup>, 2010, the Company recorded revenues of \$242,496 coming from its research and development collaboration as well \$91,791 for product sales (nil for the same period in 2009). As described previously, the R&D revenues come from a collaboration agreement with a global leader in energy infrastructure for carbon capture. The product sales come from the sale of enzymes and the supply of engineering services to other partners.

#### Cost of products sold

The Company incurred direct costs related to the sale of enzymes of \$544 for salaries in R&D activities, \$25,701 for professional fees and \$2,456 for laboratory supplies (nil for the same period in 2009).

#### Technology platform development - R&D Expenses

Research and development expenditures, net of investment tax credits and government support, increased by \$57,095, totalling \$202,109 for the six-month period ended December 31<sup>st</sup>, 2010, compared with \$145,014 for the same period in 2009. This increase is mainly attributable to work done by consultants relative to enzyme performance characterization under various industrially relevant operating conditions as well as to explore new avenues for enzyme immobilization. These expenses have been reduced following an increase in government assistance in December 2009, for which the Company received a certification of eligibility within the framework of a precompetitive research project, in addition to receiving a grant from the National Research Council of Canada (NRCC) for a maximum contribution of up to \$348,000.

#### Business development expenses

Business development costs totalled \$396,821 for the six-month period ended December 31<sup>st</sup>, 2010, compared with \$208,426 for the same period in 2009, representing an increase of \$188,395. This increase is mainly due to expenses incurred for negotiations of various collaboration agreements with partners abroad.

### General and administrative expenses

General and administrative expenses totalled \$664,493 for the six-month period ended December 31<sup>st</sup>, 2010, compared with \$585,264 for the same period in 2009, representing an increase of \$79,229. The main factors attributable to this increase are:

- The hiring of additional administrative personnel in May 2009
- Professional fees for the recruitment and hiring of scientific personnel
- Consultant fees for the interim replacement of the Vice President Finance and Administration until the end of September 2010.

### Financial expenses and interest income

Net financial expenses for the six-month period ended December 31<sup>st</sup>, 2010, resulted in a revenue of \$607, compared with a revenue of \$6,676 for the same period in 2009, representing an increase in net financial expenses of \$6,069. This increase is primarily due to a decrease in interest income of \$5,422, compared with the same period in 2009, resulting from the variation in temporary investments during the respective periods.

### Loss for the period

The Company recorded a loss of \$957,230, or \$0.02 per share, for the six-month period ended December 31<sup>st</sup>, 2010, compared with a loss of \$932,028, or \$0.02 per share, for the same period in 2009, representing an increase of \$25,202. No significant factor, other than those described above, contributed to increasing the loss.

## **UNAUDITED QUARTERLY FINANCIAL INFORMATION**

The following tables provide a summary of certain elements of financial data regarding the Company for each of the last eight quarters:

	<b>Quarters ended</b>			
	<b>March 31, 2010</b>	<b>June 30, 2010</b>	<b>September 30, 2010</b>	<b>December 31, 2010</b>
Revenues	\$10,118	\$0	\$91,212	\$243,075
Net loss	\$540,245	\$598,171	\$489,764	\$467,466
Net loss per share	\$0.01	\$0.01	\$0.01	\$0.01

	<b>Quarters ended</b>			
	<b>March 31, 2009</b>	<b>June 30, 2009</b>	<b>September 30, 2009</b>	<b>December 31, 2009</b>
Revenues	\$0	\$0	\$0	\$0
Net loss	\$479,228	\$319,953	\$492,551	\$439,477
Net loss per share	\$0.01	\$0.01	\$0.01	\$0.01

## **LIQUID ASSETS AND CASH FLOWS**

Cash totalled \$866,391, as at December 31<sup>st</sup>, 2010, compared with \$664,089, as at December 31<sup>st</sup>, 2009.

### Cash flow related to operating activities

For the six-month period ended December 31<sup>st</sup>, 2010, cash flow required for operating activities amounted to \$514,209, compared with \$963,443 for the same period in 2009. This \$449,234 decrease is attributable primarily to the revenues resulting from the collaboration agreement executed in December 2010.

### Cash flow related to investment activities

For the six-month period ended December 31<sup>st</sup>, 2010, cash flow generated by investment activities amounted to \$1,005,537, compared with cash flow consumption of \$1,095,643 for the same period in 2009, a difference of \$2,101,180. This difference is mainly attributable to the following factors:

- \$1,059,199, of the \$2,000,000 received following the private placement with Codexis in December 2009, were used to increase temporary investments.

### Cash flow related to financing activities

The cash flow generated by financing activities for the six-month period ended December 31<sup>st</sup>, 2010, amounted to \$2,883, compared with \$2,394,659 for the same period in 2009, a difference of \$2,391,776. This difference is mainly attributable to Codexis' private placement of December 2009, as described previously. Fees of \$80,341 were incurred for this transaction.

Furthermore, a \$475,000 commitment fee was received from Codexis, Inc. upon signature of the Joint Development Agreement in 2009. This commitment fee does not bear interest and is refundable within 10 business days from the date of commencement of a subsequent development and commercialization agreement with a third party.

## **LIQUIDITY AND SOLVENCY**

To date, the Company has financed its operations mainly through cash flow obtained from the issuance of capital stock, tax credits and government assistance.

As at December 31<sup>st</sup>, 2010, the Company has \$866,391 in cash and \$913,792 in temporary investments for a total of \$1,780,183 (\$3,267,982 as at December 31<sup>st</sup>, 2009). The Company currently has sufficient funds to meet its needs for at least the next five (5) quarters.



Although the Company currently has the necessary funds for the next five (5) quarters, it will have to raise additional funds in the near future. The current economic climate could affect the availability of such funding and thus have an adverse impact on the Company's future activities.

The Company's access to sufficient long-term capital depends on its ability to generate a profit in the future. This will depend in part on its ability to efficiently commercialize its technology, the results of its research and development activities, favourable market conditions, and to overall economic conditions. Investments in commercialization activities are used to generate income however, it is difficult to predict exactly when this income will materialize.

The Company benefits from credit facilities in the form of an operating line of credit for an authorized amount of \$100,000, bearing interest at prime plus 2.25% and guaranteed by a \$60,000 certificate of deposit. As at December 31<sup>st</sup>, 2010, this operating line of credit was unused.

### **CONTRACTUAL OBLIGATIONS**

The Company is committed, under a lease agreement expiring in February 2015, to paying a total amount of \$623,193. The payments scheduled for the next five years are of \$78,022 in 2011, \$153,258 in 2012, \$152,209 in 2013, \$151,392 in 2014 and \$88,312 in 2015.

The Company is also committed, under a lease agreement expiring in September 2011, to paying a total amount of \$13,500 for the rental of automotive equipment. Minimum lease payments amount to \$9,000 in 2011 and \$4,500 in 2012.

### **INFORMATION REGARDING CAPITAL STOCK**

As at February 17<sup>th</sup>, 2010, the number of outstanding common shares, warrants and stock options is respectively 60,261,136, 1,000,000, and 4,400,440.

### **RELATED PARTY TRANSACTIONS**

As at December 31<sup>st</sup>, 2010, the Company recorded a \$475,000 advance from a shareholder with significant influence, bearing no interest and payable in January 2011 (nil for the same period in 2009).

### **MAJOR ACCOUNTING POLICIES AND ESTIMATES**

The Company's interim consolidated financial statements for the period ended December 31<sup>st</sup>, 2010, are in accordance with the accounting policies and application methods described in the audited consolidated financial statements for the year ended June 30, 2010.

## **CHANGES IN ACCOUNTING STANDARDS**

### **Future Accounting Standards**

#### International Financial Reporting Standards (IFRSs)

In 2009, the Canadian Accounting Standards Board confirmed that the Canadian GAAP, for publicly accountable enterprises, will be replaced by the IFRSs and take effect during the year 2011. IFRSs use a conceptual framework similar to that of the Canadian GAAP, but composed of important differences on the subjects of posting, evaluation, presentation and information to be supplied. During the period preceding the changeover, the International Accounting Standards Board (IASB) will continue to publish new accounting standards and, consequently, the final incidence of IFRSs on the consolidated financial statements of the Company will not be evaluated until all applicable IFRSs at the changeover date are known. That said, according to the report issued in December 2009 by the IASB: “the International Accounting Standards Board (IASB) has recently revised its program of action and has readjusted the schedule of several projects for IFRS changes. Following these adjustments, it now seems clear that no other significant changes to IFRSs will become obligatory for the periods that coincide with calendar year 2011.”

For the Company, the conversion to IFRSs will be required for the financial statements for the periods starting on July 1, 2011. The comparative data will need to be reprocessed in order to respect IFRSs. Consequently, the Company has elaborated a conversion plan to IFRSs for its financial statements which focuses on the principle elements concerned, including financial information, Company operations, systems and process, internal controls, as well as communications and training. This plan consists of four phases: Phase 1 – Preliminary diagnosis, planning and definition of the scope, Phase 2 – Detailed evaluation, Phase 3 – Definition of the required modifications, and Phase 4 – Implementation.

Phase 1 has been completed and few impacts are expected with the exception of the initial and subsequent evaluation of an amount to be paid to a shareholder with significant influence as well as the reporting of the share-based remuneration. The Company does not expect that any changes regarding information technology and internal controls will be required.

The Company is currently completing Phases 2 and 3 of its conversion plan, namely the detailed evaluation and the definition of the required modifications. In early January 2011, the Company validated part of the results of its work with the external auditors, namely the main impacts with regards to postings as well as the required choices during the transition to IFRSs 1. The Company will continue the work related to Phases 2 and 3 throughout the first months of 2011, in view of validating the results with the external auditors.

Phase 4, comprising the preparation of the financial statements in compliance with IFRSs, will start at the beginning of 2011. The Company estimates that it will have completed the major part of its conversion plan before the end of the third quarter of fiscal 2011.

## **OUTLOOK**

### Scale-Up Partnership with Global Leader in Power Generation

2010 was a banner year for CO<sub>2</sub> Solution. In addition to executing exclusive technology development agreements with Procede Group B.V., CLEA Technologies B.V., and Codexis, Inc., CO<sub>2</sub> Solution secured its first scale-up partnership with a global leader in energy infrastructure and carbon capture technology with over 5 billion dollars in annual sales (the Global Leader). The Collaboration Agreement with this Global Leader covers the development and pilot scale testing of CO<sub>2</sub> Solution's technology for coal-fired power plants, one of the largest global sources of harmful greenhouse gas emissions. Under the terms of the Agreement, CO<sub>2</sub> Solution, Codexis and the Global Leader will collaborate over a period of up to 16 months on a pilot phase program to develop and test customized carbon capture enzymes and related processes for use in power plants to reduce greenhouse gas emissions.

The Global Leader has a large existing base of customers to which to deploy these improved capture processes, representing a clear path to market for CO<sub>2</sub> Solution's technology.

### Additional Scale-up Opportunities

Encouraging discussions have also been held with large end-use customers in the cement, aluminum and oil and gas sectors who are interested in CO<sub>2</sub> Solution's technology as a potential solution to manage their carbon footprints. In some cases, these customers may also have developed, or are developing, proprietary carbon capture processes suited to their specific emission sources which can be significantly enhanced by CO<sub>2</sub> Solution's enzymatic technology. These opportunities represent the potential to work through tailored scale-up and validation programs, both in the lab and in the field, toward eventual commercial scale deployment in their operations and/or licensing to others in their respective industries.

Given the positive nature of a number of these discussions, management is confident that one or more additional scale-up partnerships will be secured in 2011.

In addition to the above, CO<sub>2</sub> Solution's management team will continue to pursue a multi-pronged strategy aimed at advancing its technology development and deployment. The prime focus in the short term will be as follows:

### Advancing the Industrial Readiness of the Technology

Leveraging its internal R&D focus and efforts, CO<sub>2</sub> Solution intends to continue to fully exploit its relationships with Codexis, Procede Group and CLEA Technologies, to bring the best resources to bear in advancing its technology towards commercial readiness. On the enzyme evolution and supply front, Codexis has, and is expected to continue to make significant progress in increasing the industrial stability and longevity of the enzyme catalyst. This will assist in positioning CO<sub>2</sub> Solution's technology

for pilot and larger scale demonstrations under real-world conditions where significant quantities of robust enzymes are required.

In the area of enzyme delivery and management in the carbon capture process, the Company will continue work on parallel technology paths, both with Cross Linked Enzyme Aggregates (CLEAs), and with internal development efforts which leverage the Company's significant expertise in the area of enzyme immobilization. This work is expected to enhance industrial readiness by incorporating leading-edge processes in which the enzyme is delivered to the carbon capture system as micro-sized particles possessing improved tolerance to high-process temperatures. In addition, these particles can be confined to the front-end CO<sub>2</sub> absorption stage (where the enzyme provides the maximum beneficial impact), without being exposed to the harsher, back-end desorption process, leading to improved system economics.

Lastly, on the process development and engineering front, the Company expects to begin small pilot-scale testing at the Global Leader's facility, by the end of 2011. Working closely with Procede Group, system optimization and modeling of the enzyme with various capture solvents should provide a solid techno-economic basis to pursue this scale-up effort towards larger scale field testing and commercial demonstrations.

#### Leveraging Government Funding for Development and Scale-Up

To further support its technology validation and scale-up efforts, CO<sub>2</sub> Solution has confidence that it can continue to tap into beneficial government funding programs in Canada, the U.S. and abroad, and with strategic partners. In Canada, the Company remains hopeful that the Federal Government will see the significant economic and environmental value that exists in supporting home grown, exportable carbon capture technologies such as CO<sub>2</sub> Solution's that have the potential to significantly reduce the current high cost of carbon capture in Canada and internationally. In the U.S., in addition to the ARPA-E project with Codexis, CO<sub>2</sub> Solution will continue to pursue funding opportunities where possible for its technology, with the possibility of exploiting cross-border clean technology initiatives.

#### Continued Expansion of Intellectual Property Dominance

Continuing along the trend started in 2008, the growth in industry interest in the potential of enzyme-enabled carbon capture was even more pronounced in 2009 and 2010. As the world searches for innovative solutions to lower the current cost barrier to CO<sub>2</sub> capture, enzymatic capture, largely pioneered by CO<sub>2</sub> Solution, has emerged as a focal point in its own right. This is particularly the case south of the border, where the United States' government has recently invested millions of dollars in enzyme-related projects. It is fortunate that the Company has a broad patent position in the field which will both allow it to commercialize its technology and block potential competitors from entering the market. In this regard, CO<sub>2</sub> Solution will continue to expand its intellectual property dominance with the filing of new patents.

## **RISK FACTORS AND UNCERTAINTIES**

CO<sub>2</sub> Solution's activities are subject to a number of risks and uncertainties which, as stated in its 2010 Annual Report, have not significantly changed.

## **INTERNAL CONTROLS REGARDING FINANCIAL INFORMATION**

There are no amendments to internal controls with regards to the financial information that could have, or that are likely to have, important incidences on these controls during the six-month period ended on December 31<sup>st</sup>, 2010.

## **AUDITORS**

This Management's Discussion and Analysis and the interim financial statements for the three and six-month periods ended December 31<sup>st</sup>, 2010, and 2009, have not been verified by the external auditors.

## **ADDITIONAL AND CONTINUOUS DISCLOSURE**

This analysis was prepared on February 17<sup>th</sup>, 2011. Additional disclosure is provided on the SEDAR Web site at: [www.sedar.com](http://www.sedar.com).



Consolidated Earnings and Comprehensive Income

	Three-month periods ended December 31		Six-month periods ended December 31	
	2010 <i>(unaudited)</i>	2009 <i>(unaudited)</i>	2010 <i>(unaudited)</i>	2009 <i>(unaudited)</i>
	\$	\$	\$	\$
<b>Revenues</b>				
Products	579		91 791	
Collaborative research and development	242 496		242 496	
<b>Total revenues</b>	<u>243 075</u>		<u>334 287</u>	
Costs and operating expenses:				
Cost of products sold			28 701	
Research and development expenses, net	123 938	50 714	202 109	145 014
Business development expenses	236 137	94 925	396 821	208 426
General and administrative expenses	350 104	294 056	664 493	585 264
Financial expenses and interest income	362	(218)	(607)	(6 676)
	<u>710 541</u>	<u>439 477</u>	<u>1 291 517</u>	<u>932 028</u>
<b>Loss and comprehensive income for the period</b>	<u>467 466</u>	<u>439 477</u>	<u>957 230</u>	<u>932 028</u>
<b>Basic and diluted loss per share</b>	<u>0,01</u>	<u>0,01</u>	<u>0,02</u>	<u>0,02</u>

The accompanying notes are an integral part of the consolidated financial statements and Note 3 provides other information on earnings.



**Consolidated Contributed Surplus and Deficit**

	Three-month periods ended December 31		Six-month periods ended December 31	
	2010	2009	2010	2009
	<i>(unaudited)</i>	<i>(unaudited)</i>	<i>(unaudited)</i>	<i>(unaudited)</i>
	\$	\$	\$	\$
<b>CONTRIBUTED SURPLUS</b>				
Balance, beginning of period	2 714 374	2 110 244	2 714 374	2 110 244
Stock options cancelled		289		289
Balance, end of period	<u>2 714 374</u>	<u>2 110 533</u>	<u>2 714 374</u>	<u>2 110 533</u>
	Three-month periods ended December 31		Six-month periods ended December 31	
	2010	2009	2010	2009
	<i>(unaudited)</i>	<i>(unaudited)</i>	<i>(unaudited)</i>	<i>(unaudited)</i>
	\$	\$	\$	\$
<b>DEFICIT</b>				
Balance, beginning of period	16 469 472	14 315 322	15 979 708	13 822 771
Loss for the period	467 466	439 477	957 230	932 028
Share issue expenses		80 341		80 341
Balance, end of period	<u>16 936 938</u>	<u>14 835 140</u>	<u>16 936 938</u>	<u>14 835 140</u>

The accompanying notes are an integral part of the consolidated financial statements.



## Consolidated Cash Flow

	Three-month periods ended		Six-month periods ended	
	December 31		December 31	
	2010	2009	2010	2009
	( <i>unaudited</i> )	( <i>unaudited</i> )	( <i>unaudited</i> )	( <i>unaudited</i> )
	\$	\$	\$	\$
<b>OPERATING ACTIVITIES</b>				
Loss for the period	(467 466)	(439 477)	(957 230)	(932 028)
Items not affecting cash and cash equivalents				
Amortization	25 083	25 852	41 651	49 783
Consultant fees in consideration for warrants	10 308		20 616	
Stock-based compensation	26 043	14 223	52 086	28 503
	<u>(406 032)</u>	<u>(399 402)</u>	<u>(842 877)</u>	<u>(853 742)</u>
Change in non-cash working capital items				
Accounts receivable	96 449	(11 812)	(8 376)	(9 232)
Tax credits receivable	(84 502)	(89 144)	(154 934)	(184 093)
Prepaid expenses	(24 721)	5 992	(20 849)	14 861
Accounts payable and accrued liabilities	88 362	15 471	27 835	68 763
Deferred revenue from collaborative research and development	484 992		484 992	
	<u>560 580</u>	<u>(79 493)</u>	<u>328 668</u>	<u>(109 701)</u>
	<u>154 548</u>	<u>(478 895)</u>	<u>(514 209)</u>	<u>(963 443)</u>
<b>INVESTING ACTIVITIES</b>				
Temporary investments	798 583	(1 551 476)	1 096 233	(1 059 199)
Amounts capitalized to patents	(38 213)	(8 161)	(83 521)	(31 940)
Additions to property, plant and equipment	(5 047)	(3 790)	(7 175)	(4 504)
	<u>755 323</u>	<u>(1 563 427)</u>	<u>1 005 537</u>	<u>(1 095 643)</u>
<b>FINANCING ACTIVITIES</b>				
Note payable to a shareholder		475 000		475 000
Deferred credits	2 883		2 883	
Share issues		2 000 000		2 000 000
Share issue expenses		(80 341)		(80 341)
	<u>2 883</u>	<u>2 394 659</u>	<u>2 883</u>	<u>2 394 659</u>
<b>Net increase in cash and cash equivalents</b>	<b>912 754</b>	<b>352 337</b>	<b>494 211</b>	<b>335 573</b>
Cash and cash equivalents, beginning of period	(46 363)	311 752	372 180	328 516
Cash and cash equivalents, end of period	<u>866 391</u>	<u>664 089</u>	<u>866 391</u>	<u>664 089</u>

The accompanying notes are an integral part of the consolidated financial statements.





## Consolidated Balance Sheet

	As at December 31, 2010 <i>(unaudited)</i>	As at June 30, 2010 <i>(audited)</i>
	\$	\$
<b>ASSETS</b>		
Current assets		
Cash	866 391	372 180
Temporary investments	913 792	2 010 025
Accounts receivable	94 709	86 333
Tax credits receivable	864 800	709 866
Prepaid expenses	43 203	22 354
	<u>2 782 895</u>	<u>3 200 758</u>
Property, plant and equipment	227 608	247 113
Patents	382 184	317 942
	<u>3 392 687</u>	<u>3 765 813</u>
<b>LIABILITIES</b>		
Current liabilities		
Accounts payable and accrued liabilities	371 535	343 700
Deferred revenue from collaborative research and development	484 992	
Note payable to a shareholder having a significant influence, without interest, maturing in February 2011	475 000	475 000
Deferred credits	36 548	37 973
	<u>1 368 075</u>	<u>856 673</u>
<b>SHAREHOLDERS' EQUITY</b>		
Capital stock (Note 4)	15 675 834	15 675 834
Stock options (Note 5)	512 930	460 844
Warrants (Note 4)	58 412	37 796
Contributed surplus	2 714 374	2 714 374
Deficit	<u>(16 936 938)</u>	<u>(15 979 708)</u>
	<u>2 024 612</u>	<u>2 909 140</u>
	<u>3 392 687</u>	<u>3 765 813</u>

*The accompanying notes are an integral part of the consolidated financial statements.*

On behalf of the board,

Evan Price  
Director

Glenn Kelly  
Director

## **CO<sub>2</sub> Solution Inc.**

Notes to interim consolidated financial statements  
(Unaudited)

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### **1. GOVERNING STATUTE AND NATURE OF OPERATIONS**

CO<sub>2</sub> Solution Inc. (The “Company”), incorporated under Part 1A of the Companies Act (Québec), is a high technology enterprise involved in the capture and management of carbon dioxide (CO<sub>2</sub>). More specifically, the Company is currently focused on commercializing an enzyme based enabling technology for efficient CO<sub>2</sub> capture from fossil fuel power plants and other large emitters of CO<sub>2</sub>.

### **2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

#### **Consolidated Financial Statements**

These consolidated interim financial statements as at December 31<sup>st</sup>, 2010, and for the three and six-month periods ended December 31<sup>st</sup>, 2010, and 2009, include the accounts of CO<sub>2</sub> Solution Inc., 9157-4400 Québec Inc., 9157-4426 Québec Inc., 9157-4475 Québec Inc., Fiducie Financière CO<sub>2</sub> Solution., and CO<sub>2</sub> Solution Technologies Inc.

#### **Interim Financial Information**

The consolidated financial information as at December 31<sup>st</sup>, 2010, and for the three and six-month periods ended December 31<sup>st</sup>, 2010, and 2009, are unaudited. However, in the opinion of management, all the necessary adjustments for the fair presentation of the results for these periods have been included. The adjustments are of a normal recurring nature. The interim consolidated operating results do not necessarily reflect the anticipated operating results for the entire period.

These interim consolidated financial statements have been prepared in accordance with Canadian generally accepted accounting principles and are based on the same accounting principles and methods as those used in the preparation of the Company’s most recent annual financial statements. However, they do not include all the information that must be provided in the annual financial statements. These interim consolidated financial statements should therefore be read in parallel with the Company’s most recent annual financial statements.

#### **FUTURE ACCOUNTING STANDARDS**

##### **International Financial Reporting Standards (IFRSs)**

In 2009, the Canadian Accounting Standards Board confirmed that the Canadian GAAP, for publicly accountable enterprises, will be replaced by the IFRSs and take effect during the year 2011. IFRSs use a conceptual framework similar to that of the Canadian GAAP, but composed of important differences on the subjects of posting, evaluation, presentation and information to be supplied. During the period preceding the changeover, the International Accounting Standards Board (IASB) will continue to publish new accounting standards and, consequently, the final

## CO<sub>2</sub> Solution Inc.

Notes to interim consolidated financial statements  
(Unaudited)

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incidence of IFRSs on the consolidated financial statements of the Company will not be evaluated until all applicable IFRSs at the changeover date are known. That said, according to the report issued in December 2009 by the IASB: *“the International Accounting Standards Board (IASB) has recently revised its program of action and has readjusted the schedule of several projects for IFRS changes. Following these adjustments, it now seems clear that no other significant changes to IFRSs will become obligatory for the periods that coincide with calendar year 2011.”*

For the Company, the conversion to IFRSs will be required for the financial statements for the periods starting on July 1, 2011. The comparative data will need to be reprocessed in order to respect IFRSs. Consequently, the Company has elaborated a conversion plan to IFRSs for its financial statements which focuses on the principle elements concerned, including financial information, Company operations, systems and process, internal controls, as well as communications and training. This plan consists of four phases: Phase 1 – Preliminary diagnosis, planning and definition of the scope, Phase 2 – Detailed evaluation, Phase 3 – Definition of the required modifications and Phase 4 – Implementation.

Phase 1 has been completed and few impacts are expected with the exception of the initial and subsequent evaluation of an amount to be paid to a shareholder with significant influence, as well as the reporting of the share-based remuneration. The Company does not expect that any changes regarding information technology and internal controls will be required.

The Company is currently completing Phases 2 and 3 of its conversion plan, namely the detailed evaluation and the definition of the required modifications. In early January 2011, the Company validated part of the results of its work with the external auditors, namely the main impacts with regards to posting as well as the required choices during the transition to IFRSs. The Company will continue the work throughout the first months of 2011 and will validate its results with the external auditors.

Phase 4, comprising the preparation of the financial statements in compliance with IFRSs, will start in early 2011. The Company estimates that it will have completed the major part of its conversion plan before the end of the third quarter of fiscal 2011.

### **Stock-based Compensation**

The Company offers a stock-based compensation plan which is described in Note 5. The Company recognizes a compensation expense in the financial statements for all types of stock-based compensation granted to directors, executives, employees of the Company and consultants, including stock options, using the fair value based method established according to the Black-Scholes model. Compensation expense is recognized over the applicable vesting period with a corresponding increase in shareholders' equity under stock options. When stock options are exercised, the exercise price and the related portion previously recorded in Stock options are credited to capital stock.

## CO<sub>2</sub> Solution Inc.

Notes to interim consolidated financial statements  
(Unaudited)

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### 3. ADDITIONAL INFORMATION INCLUDED IN EARNINGS

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	Three-month periods ended		Six-month periods ended	
	December 31 <sup>st</sup> ,		December, 31 <sup>st</sup>	
	2010	2009	2010	2009
	(unaudited)	(unaudited)	(unaudited)	(unaudited)
	\$	\$	\$	\$
<b>Technology platform development:</b>				
Salaries and fees	280,884	121,573	491,843	268,782
Laboratory supplies and other	34,775	18,284	62,253	60,290
Tax credits and government assistance	(191,721)	(89,143)	(351,987)	(184,058)
<b>Business development expenses:</b>				
Salaries and employee benefits	75,912	73,677	160,926	150,301
Professional fees	127,753	1,832	162,546	14,202
Stock-based remuneration	9,815	4,976	19,631	9,952
Travel, representation and promotion	22,657	14,359	52,865	33,385
<b>General and administrative expenses:</b>				
Salaries and employee benefits	92,512	81,967	146,253	153,303
Rent, electricity, taxes and insurance	45,930	44,084	91,720	89,244
Professional fees	104,992	79,006	240,437	181,873
Stock-based remuneration	16,228	9,247	32,455	18,551
Property, plant and equipment amortization	13,577	15,787	26,680	31,197
Patent amortization	13,876	12,434	19,279	23,325
Deferred credits amortization	(2,370)	(2,369)	(4,308)	(4,739)
<b>Net financial expenses:</b>				
Financial expenses	1,780	1,258	3,171	2,524
Interest income on assets held for transaction purposes	(1,418)	(1,476)	(3,778)	(9,200)

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## CO<sub>2</sub> Solution Inc.

Notes to interim consolidated financial statements  
(Unaudited)

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### 4. CAPITAL STOCK

#### Authorized

Unlimited number of common shares, without par value, voting and participating.

#### Issued and fully paid

The following table shows the changes in the Company's capital stock during the six-month period ended December 31<sup>st</sup>, 2010, and for the year ended June 30<sup>th</sup>, 2010:

	December 31 <sup>st</sup> , 2010		June 30 <sup>th</sup> , 2010	
	Number ( <i>unaudited</i> )	Amount ( <i>unaudited</i> ) \$	Number ( <i>audited</i> )	Amount ( <i>audited</i> ) \$
Balance, beginning of period	60 261 136	15 675 834	50 261 136	13 675 834
Issue following private placement*			10 000 000	2 000 000
Balance, end of period	<b>60 261 136</b>	<b>15 675 834</b>	60 261 136	15 675 834

\* In December 2009, pursuant to a private investment, the Company issued 10,000,000 shares for gross revenues of \$2,000,000.

In connection with this transaction, issue expenses of \$86,493 were paid and recognized in the statement of deficit.

The following table shows the changes in the Company's warrants during the six-month period ended December 31<sup>st</sup>, 2010, and for the year ended June 30<sup>th</sup>, 2010:

	December 31 <sup>st</sup> , 2010		June 30 <sup>th</sup> , 2010	
	Number ( <i>unaudited</i> )	Weighted average exercise price ( <i>unaudited</i> ) \$	Number ( <i>audited</i> )	Weighted average exercise price ( <i>audited</i> ) \$
Outstanding, beginning of period	1, 000,000	0.24	16, 581,428	0.28
Granted			1, 000,000	0.24
Cancelled			(16, 581,428)	0.28
Outstanding, end of period	<b>1, 000,000</b>	<b>0.24</b>	1, 000,000	0.24

## CO<sub>2</sub> Solution Inc.

Notes to interim consolidated financial statements

(Unaudited)

The outstanding warrants are those issued according to an agreement with a consultant in December 2009. They have a total fair value of \$ 123,700, grant the right to acquire one common share at the price of \$0.24 and expire in August 2013. The related expenses are recognized over the term of services, i.e. 36 months. They are recognized as research and development expenses in the statement of earnings.

### 5. STOCK OPTIONS

The Company has a stock option plan for directors, executives, employees and consultants. All the options granted under the terms of the plan may be exercised within a maximum five-year period starting on the date of grant. The Board of Directors designates the optionees and determines the number of common shares involved in each of these options, the date of purchase, the exercise price, the expiry date, the terms of acquisition and any restrictions on the exercise of the options. The share acquisition price must not be less than the closing price on the day prior to the date of grant of options.

The maximum number of common shares issued under the terms of the plan was established at 6,026,114, which corresponds to 10% of the issued and outstanding shares of capital stock. The maximum number of stock options that may be granted to a Company's director, executive, employee or a consultant cannot exceed 5% of all the outstanding common shares.

The following table summarizes information about outstanding and exercisable stock options at the end of the six-month period ended December 31<sup>st</sup>, 2010, and for the year ended June 30<sup>th</sup>, 2010:

	December 31 <sup>st</sup> , 2010		June 30 <sup>th</sup> , 2010	
	Number ( <i>unaudited</i> )	Weighted average exercise price ( <i>unaudited</i> ) \$	Number ( <i>audited</i> )	Weighted average exercise price ( <i>audited</i> ) \$
Outstanding, beginning of the period	3,955,440	0.22	3,168,140	0.24
Granted	445,000	0.20	857,600	0.18
Forfeited			(30,300)	0.82
Cancelled			(40,000)	0.24
Outstanding, end of the period	<b>4,400,440</b>	<b>0.22</b>	3,955,440	0.22
Exercisable, end of the period	<b>3,136,413</b>	<b>0.23</b>	2,531,260	0.22

**CO<sub>2</sub> Solution Inc.**

Notes to interim consolidated financial statements  
(Unaudited)

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As at December 31<sup>st</sup>, 2010, the following stock options had been granted:

<b>Outstanding Options</b>			<b>Exercisable Options</b>	
<b>Number (unaudited)</b>	<b>Weighted average exercise price (unaudited) \$</b>	<b>Weighted average remaining contractual life (years) (unaudited)</b>	<b>Number (unaudited)</b>	<b>Weighted average exercise price (unaudited) \$</b>
539,800	0.52	1.4	431,840	0.52
17,900	0.35	0.3	17,900	0.35
10,000	0.30	2.6	10,000	0.30
595,000	0.20	4.7	100,000	0.20
10,000	0.19	2.8	10,000	0.19
1,769,140	0.18	2.6	1,769,140	0.18
350,000	0.18	4.2	58,333	0.18
761,000	0.17	2.3	456,600	0.17
347,600	0.16	3.8	282,600	0.16
<b>4,400,440</b>	<b>0.22</b>	<b>2.9</b>	<b>3,136,413</b>	<b>0.23</b>

Options issued prior to November 2009 vest as follows: 20% upon signature and the remaining 80% gradually, at a rate of 20% per year, over four years, except for the President and CEO whose vesting period is 100% upon grant, as well as for consultants for which the expense is recognized when services are rendered.

Options issued after November 2009 vest gradually at the rate of 25,000 options every six months, up to a maximum period of 3 years, except for the President and CEO whose vesting period is 58,333 options every six months from the date of the grant up to a maximum period of three years.

## CO<sub>2</sub> Solution Inc.

Notes to interim consolidated financial statements  
(Unaudited)

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The fair value of the options was determined according to the Black-Scholes option pricing model based on the following weighted average assumptions:

	<u>December 31<sup>st</sup>, 2010</u>	<u>June 30<sup>th</sup>, 2010</u>
	<b>Employees, Executives and Directors</b>	Employees, Executives and Directors
Risk-free interest rate	<b>2.27%</b>	1.91%
Expected volatility	<b>103.5%</b>	99.67%
Annual dividend rate	<b>Nil</b>	Nil
Life expectancy of each option granted	<b>5 years</b>	5 years
Fair value of each option granted	<b>\$0.15</b>	\$0.12

The following table presents variations in stock options during the six-month period ended December 31<sup>st</sup>, 2010, and for the year ended June 30<sup>th</sup>, 2010:

	<u>December 31<sup>st</sup>, 2010</u>	<u>June 30<sup>th</sup>, 2010</u>
	<i>(unaudited)</i>	<i>(audited)</i>
	\$	\$
Balance, beginning of period	<b>460,844</b>	393,204
Stock-based compensation	<b>52,086</b>	86,569
Stock options cancelled and forfeited		(18,929)
Balance, end of period	<b>512,930</b>	460,844

### 6. EARNINGS PER SHARE

The following table summarizes the basic and diluted weighted average number of shares outstanding used in the basic and diluted loss per share calculations:

	<b>Six-month periods ended December 31<sup>st</sup>,</b>	
	<b>2010</b>	<b>2009</b>
	<i>(unaudited)</i>	<i>(unaudited)</i>
Basic and diluted weighted average number of shares outstanding	<b>60,261,136</b>	51,130,701



## **CO<sub>2</sub> Solution Inc.**

Notes to interim consolidated financial statements  
(Unaudited)

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For the periods ended December 31<sup>st</sup>, 2010, and 2009, the basic weighted average number of shares outstanding was the same as the basic diluted weighted average number of shares outstanding, since the effect of stock options and warrants described in notes 4 and 5 would have been anti-dilutive. Accordingly, the diluted loss per share for these periods was calculated using the basic weighted average number of outstanding shares.

### **7. FINANCIAL RISK MANAGEMENT OBJECTIVES AND POLICIES, AND FINANCIAL RISKS**

#### **Financial Risk Management Objectives and Policies**

The Company is exposed to various financial risks resulting from both its operations and its investment activities. The company's management is responsible for financial risk management.

The Company does not enter into agreements concerning financial instruments, including derivatives, for speculative purposes.

#### **Financial Risks**

The Company's main financial risk exposure and its financial risk management policies are as follows:

#### **Credit Risk**

The financial instruments that potentially expose the Company to a credit risk consist of cash and temporary investments. As at December 31<sup>st</sup>, 2010, the Company had \$866,391 in cash and \$913,792 in temporary investments with a recognized financial institution, which management believes to represent a low risk of loss.

#### **Interest Rate Risk**

The Company is exposed to a limited interest rate risk since all its temporary investments bear a fixed interest rate. The Company is, however, exposed to a fair value risk on its investments resulting from interest rate fluctuations.

#### **Liquidity Risk**

The Company manages its liquidity needs by following up regularly on cash expenditures as part of its daily activities. The Company establishes budget estimates and cash flow forecasts to ensure that it has the funds required to fulfil its obligations.

The Company's strategy is to keep on hand cash and term deposits to meet its cash needs for a minimum period of 30 days. The Company's financial liabilities mature in less than six months, with the exception of a note payable to a shareholder.

## **CO<sub>2</sub> Solution Inc.**

Notes to interim consolidated financial statements  
(Unaudited)

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### **8. CAPITAL MANAGEMENT**

The Company manages its capital with the aim of maintaining a flexible capital structure that optimizes the cost of capital at an acceptable risk. For capital management purposes, capital includes equity minus cash and temporary investments. The Company monitors its capital by watching its monthly cash consumption and short-term commitments related to its financial liabilities. Apart from covenants related to the bank loan, the Company is under no other capital requirements imposed by third parties.

### **9. SEGMENT DISCLOSURE**

The Company has examined its activities and determined that it operates in a single reportable segment. This single reportable segment derives its income from the sale of processes and services related to the management and elimination of CO<sub>2</sub> using an enzyme conversion-based technology.

The Company earns its income and uses its assets in Canada and in the United States.