



**TSX-V: CST**

Outstanding Shares: 79,687,836

*For immediate release*

## **CO<sub>2</sub> Solutions Successfully Completes Second Oil Sands Project Milestones**

*Company's carbon capture technology performance significantly exceeds conventional technology in industrial testing; project ready for field pilot phase*

**Quebec City, Quebec, April 10, 2014** – CO<sub>2</sub> Solutions Inc. (TSX-V: CST), a leading innovator in the field of enzyme-enabled carbon capture technology, today announced that it has exceeded the second set of technical performance milestones for its oil sands project. CO<sub>2</sub> Solutions patented process operated at the 0.5 ton/day scale and demonstrated that it can realistically lower the cost of CO<sub>2</sub> capture to well below that associated with current carbon capture technology on the basis of cost per tonne captured.

These excellent results position CO<sub>2</sub> Solutions' technology as an important platform for carbon emissions reductions as well as for the beneficial reuse of CO<sub>2</sub> such as in Enhanced Oil Recovery (EOR) in the oil industry. The oil sands project will now proceed to the pilot demonstration phase of testing at approximately 15 tonne-CO<sub>2</sub>/day scale where process performance will be validated in the field towards commercial deployment. To this end, CO<sub>2</sub> Solutions is in advanced discussions with a major Canadian energy company to host this pilot installation.

These milestones are included in the Contribution Agreements for the Government of Canada's ecoENERGY Innovation Initiative (ecoEII) and Alberta's Climate Change and Emissions Management (CCEMC) Corporation grants funding the project.

"This significant milestone further confirms the cost-effectiveness of our enzymatic carbon capture technology in the largest-ever scale test of a biocatalytic process for carbon capture," said Evan Price, President and CEO of CO<sub>2</sub> Solutions. "Our focus is to advance to the pilot stage of the project and pursue initial commercial deployment opportunities of the technology including those for the beneficial utilization of CO<sub>2</sub>."

"The Climate Change and Emissions Management Corporation is pleased to see the innovative carbon capture technology developed by CO<sub>2</sub> Solutions move forward to the pilot stage," said CCEMC Chair Eric Newell. "Enzyme-enabled carbon capture is a transformative technology that can help Alberta to reduce GHG emissions and transition to a lower carbon economy."

Industry and government are focused on ways to reduce emissions from the oil sands, with carbon capture and storage (CCS) being a mitigation option of significant interest. However, the cost of conventional CCS technologies is prohibitive to broad commercial deployment. Results from the testing are in line with the previously announced improvement of a least 33% in energy consumption compared to the existing carbon capture technologies for the capture of 90 percent of the CO<sub>2</sub> emissions from a typical once-through steam generator in in-situ oil sands operations.

One major improvement over conventional processing is that nil-value energy from the operation is used as the main heat source thus decreasing further the operating costs. Industrially optimized enzyme catalysts employed in the testing demonstrated robust performance both in absorption and solvent regeneration. The solvent employed is less expensive, extremely stable, and environmentally benign compared to conventionally-used solvents. Moreover, it reduces emissions of dangerous by-products to zero.

**About CO<sub>2</sub> Solutions Inc.**

CO<sub>2</sub> Solutions is an innovator in the field of enzyme-enabled carbon capture and has been actively working to develop and commercialize the technology for stationary sources of carbon pollution. CO<sub>2</sub> Solutions' technology lowers the cost barrier to Carbon Capture, Sequestration and Utilization (CCSU), positioning it as a viable CO<sub>2</sub> mitigation tool, as well as enabling industry to derive profitable new products from these emissions. CO<sub>2</sub> Solutions has built an extensive patent portfolio covering the use of carbonic anhydrase, or analogues thereof, for the efficient post-combustion capture of carbon dioxide with low-energy aqueous solvents. Further information can be found at [www.co2solutions.com](http://www.co2solutions.com).

**CO<sub>2</sub> Solutions Forward-looking Statements**

Certain statements in this news release may be forward-looking. These statements relate to future events or CO<sub>2</sub> Solutions' future economic performance and reflect the current assumptions and expectations of management. Certain unknown factors may affect the events, economic performance and results of operations described herein. CO<sub>2</sub> Solutions undertakes no obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as may be required under applicable law.

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