

## Administrative Backgrounder

<b>Title</b>	<b>1:00 p.m. Bison Low Carbon Ventures Presentation</b>
<b>Purpose of Report</b>	Bison Low Carbon Ventures (Bison LCV) will provide an overview of the Meadowbrook Carbon Capture and Storage (CCS) Hub Project with a focus area located north of Morinville, Alberta.
<b>Proposed Motion</b>	That the Committee accept the Bison Low Carbon Ventures presentation as information.
<b>Previous Council Direction</b>	None.
<b>Additional Background Information</b>	<ul style="list-style-type: none"> <li>Carbon dioxide (CO<sub>2</sub>) is a Green House Gas (GHG) that comes from burning fossil fuels. Carbon capture and storage can help to significantly help to prevent these emissions from entering the atmosphere. Captured CO<sub>2</sub> is injected into carefully selected sites deep underground for safe, permanent storage.</li> <li>Carbon capture, utilization and sequestration (CCUS) can be used in various major industrial sectors to significantly reduce emissions – such as oil and gas refining, cement and fertilizer production, heavy haul transportation, residential and commercial heating and electricity generation.</li> <li>CCUS enables the production of hydrogen from Alberta's abundant and low-cost natural gas to create a future and long term sustainability for our energy industry through domestic use and export markets.</li> <li>In 2021, the Government of Alberta requested Expressions of Interest from companies interested in developing and operating a carbon sequestration hub in Alberta, then a subsequent Request for Full Project Proposals.</li> <li>The Government of Alberta initially requested proposals that would primarily enable sequestration of carbon emissions from Alberta's Industrial Heartland near Edmonton.</li> <li>The Government of Alberta selected six proposals to begin exploring how to safely develop carbon storage hubs. Of the six</li> </ul>

selected proposals, three have current or planned carbon capture and storage (CCS) infrastructure in Sturgeon County:

- Meadowbrook Hub Project (Bison LCV);
- Alberta Carbon Grid (Pembina and TC Energy); and
- Wolf Midstream Hub.
- Bison LCV will host a Town Hall / Project Overview for interested stakeholders and area residents at the Morinville Community Cultural Centre during the evening of October 11, 2022.
- Grant Wierzba, COO; Jamie Conboy, Geology Lead; Rob McNeil, Engineering Lead; Mike Dever, Business Development Lead; and Tracey Wolsey, Stakeholder Outreach Support will be in attendance at the October 11, 2022 Committee of the Whole meeting to provide information to Council on the proposed project and to answer questions that members of Council may have.

<b>Attachment(s)</b>	1. Attachment 1: Bison Low Carbon Ventures Presentation
<b>Report Reviewed by:</b>	Michael Richard, Acting Director, Economic Innovation & Growth Travis Peter, General Manager, Development & Strategic Services Reegan McCullough, County Commissioner – CAO