



BIOLOGICAL CARBON CANADA

CONNECTIONS

Sharing news and views about how to enhance the global competitiveness of Canada's primary agriculture and forestry sectors, all while delivering carbon reductions and removals.

MAY 2020

Virtual Town Hall Review: April 7, 2020

To ensure the safety of our members and to continue to provide ongoing resources, as the COVID-19 situation began to develop in mid March, Biological Carbon Canada hosted our first online virtual Town Hall.

The focus was on educating our stakeholders on how using carbon offset markets retain and enhance Canada's grasslands. Here is a round-up of the speakers and additional links to review the entire presentations.



Graham Gilchrist moderates the virtual Town Hall hosted by Biological Carbon Canada on April 7.

William Salas, Dagan Inc. The Role of Satellite Remote Sensing for Cost Effective Verification at Scale

Remote sensing can play a key role in reducing the transaction costs for an effective market. Through satellite-based technology, Dagan is striving to identify and change transaction costs so growers and ranchers receive the lions share of the carbon value. This is achieved through Geokit: geospatial information technology and web applications that supports:

- OPTIS: Operational Tillage Information System – satellite based ag management system
- RDSS: Rangeland Decision Support System- remote sensing based grazing land monitoring

View pdf presentation [here](#).
View video presentation [here](#).

Katie Sullivan, Managing Director, IETA Global Carbon Markets and Natural Climate Solutions

Natural Climate Solutions (NCS) draws on the power of nature to help reduce emissions, remove carbon from the atmosphere and help store it in natural systems. Growers, ranchers and the forestry industry can turn the potential of NCS into reality through the implementation of the following:

- Sustainable Crops & Livestock
- Grassland & Cropland Management
- Avoided Deforestation
- Wetland Retention & Restoration
- Mobilizing Private Investment at Scale
- Food Systems & Supply Chains
- International Co-operation

View pdf presentation [here](#).
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Max DuBuisson, Director of Carbon Operations, Indigo Ag Offset Protocols for Grassland Conservation & Management

During this presentation, Max DuBuisson, Indigo Ag, asks the question; What is the “bar” for development of a “high-quality” offset project protocol? and answers through discussing the following:

- Voluntary vs compliance protocols
- Standardized vs project-based protocols
- Ownership
- Additionality
- Permanence
- Quantification
- MRV: Monitoring, reporting, & verification

View pdf presentation [here](#).

View video presentation [here](#).

Brian McConkey, Chief Scientist, Viresco Solutions

Addressing the Science Gaps

There is a pressing need to fill knowledge gaps on the soil organic carbon (SOC) change of grasslands and forage lands in Canada. Not knowing the carbon change is a fundamental deficiency and affects the opportunity to achieve credits in offsets for the recent management practices. Three basic approaches to estimate the SOC change will be discussed:

- Measurement based SOC change on land over a specific area
- Practice based factors
- SOC Process model based

View pdf presentation [here](#).

View video presentation [here](#).

Karen Haugen-Kozyra, President, Viresco Solutions

Conversion of Annual Cropland to Perennial Forage Protocol

Determining the eligibility, quantification and the rules of the game for the grasslands protocol and the conversion of annual crops to perennial forage.

View pdf presentation [here](#).

View video presentation [here](#).

Denise Chang-Yen, Manager Development, Nature Based Solutions, Shell

Nature Based Solutions: An Opportunity for Canada

Shell is committed towards moving to a lower carbon future and is helping to make this happen by providing solutions to help customers reduce their emissions. In Canada, given the size of its natural ecosystems and the work already done on market mechanisms, it has a large-scale opportunity to create and be successful in reducing their carbon footprint through Nature Based Solutions.

View pdf presentation [here](#).

James Renouf, Director, Environmental Portfolio, Capital Power

Alberta Offsets: A Compliance Buyer Perspective

From the perspective of a compliance buyer, James Renouf, Capital Power, provides the definition of a compliance buyer, how they view the market, and their contract mechanics.

View pdf presentation [here](#).

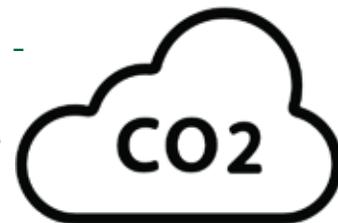
View video presentation [here](#).



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Carbon Offsets Trading Across Canada - What's Happening?

A recent update Biological Carbon Canada received from the **Director General of the Carbon Marketing Bureau, Environment and Climate Change Canada:**



The Government of Canada is continuing to develop a federal GHG offset system to provide additional compliance options under the federal Output-based Pricing System. The federal GHG offset system will encourage cost-effective domestic GHG emissions reductions or removal enhancements through voluntary activities that are not covered by carbon pollution pricing, in sectors such as forestry, agriculture and waste.

Publication of proposed regulations for the federal GHG offset system in Canada Gazette, Part I was originally targeted for June 2020. Given the extraordinary circumstances during the COVID-19 pandemic, Environment and Climate Change Canada is postponing the targeted publication of the draft regulations to fall 2020.

In the interim, the Government of Canada intends to publish a discussion paper in late spring 2020 to seek input on specific aspects of the proposed federal GHG offset system, including which project types should be prioritized in the first phase of protocol development. This paper will build on Carbon Pollution Pricing: Options for a Federal GHG Offset System, published in June 2019.

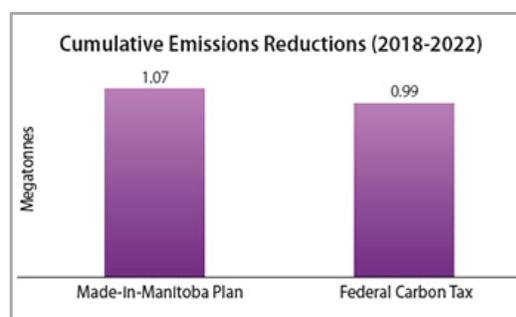
The revised timelines are not expected to significantly impact of the overall timing to establish the Offset System.



Manitoba Climate and Green Plan

Highlights include a \$25 per tonne levy that adds 5 cents per litre of gas. Estimating an annual revenue of \$260 million, they plan household rebates, reinvestment in projects and infrastructure such as drainage and water storage systems.

Additional information is available on the Government of Manitoba website.



Interested in what we do?

Please drop us a note!

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Our Partners

