

# CLIMATE RESILIENCE EXPRESS WORKSHOP INVITATION

Brazeau County has received funding to develop a Climate Resilience Action Plan through AUMA's Municipal Climate Change Action Center (MCCAC). Brazeau County was selected with 7 other municipalities across Alberta to participate in the Climate Resilience Express Initiative.

Through this initiative, MCCAC and their partner All One Sky Foundation will provide support and resources to help Brazeau County plan for and manage the local impacts of climate change. The goal of Climate Resilience Express is to facilitate a streamlined process for developing a climate resilience action plan for Brazeau County through a one-day workshop. The workshop will include County staff, as well as representatives from private sector, non-profit groups and other organizations from the community. For more information on the Climate Resilience Express Initiative please visit <http://allonesky.ca/climate-resilience-express-project/>

We would like to invite all of you to attend the workshop on **December 4<sup>th</sup>, 2017** where we plan to:

- Explore local weather trends and impacts
- Develop an understanding of climate trends and projections
- Assess climate change risks and opportunities
- Formulate climate resilience actions

**December 4<sup>th</sup>, 2017 8:30 am – 4:30 pm Mackenzie Centre  
5745 - 45<sup>th</sup> Avenue, Drayton Valley**

The workshop will result in a Draft Action Plan prepared by All One Sky Foundation and MCCAC. We have included several departments in this workshop, however, if there is someone else you feel should be at this workshop please feel free to let us know so we can invite them.

Please indicate any dietary restrictions when you reply as there will be a lunch and snacks provided.

**RSVP** by November 15<sup>th</sup>, 2017 to [ndodds@brazeau.ab.ca](mailto:ndodds@brazeau.ab.ca) or [jkarpo@brazeau.ab.ca](mailto:jkarpo@brazeau.ab.ca)  
Or call 780-542-2667 Jessica Karpo or Nancy Dodds @ Brazeau County





# CLIMATE RESILIENCE EXPRESS WORKSHOP

## BRAZEAU COUNTY

8:30 am – 4:30 pm, December 4, 2017

Mackenzie Centre

5745 – 45th Avenue

Drayton Valley, AB

## Context for the Project:

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The effects of climate change are already apparent in Alberta, with observable changes in temperature, precipitation, and extreme weather events over the last century. The average annual temperature over all regions of Alberta has increased by about +1.4°C since the early 1900s, with northern regions seeing greater warming than southern regions. Over the same period, the amount and timing of precipitation have also changed. Our climate will continue to change over coming decades. Many of the projected changes to the climate over the next 30-40 years are “locked in”—the result of past greenhouse gas (GHG) emissions. Further changes in climate beyond the 2050s depend on how much and how fast global GHG emissions are reduced from current levels.

The impact of these changes for Alberta will be numerous and diverse, giving rise to potentially significant consequences for municipal infrastructure and services, private property, the local economy and environment, and the health and well-being of citizens—be it through more frequent and intense rainfall events and flooding, ice and snow storms, hail storms, wind storms, wildfires, or drought and increased strain on water resources. Climate change may also present opportunities.

Alberta communities, including Brazeau County, are at the forefront of these impacts and should consider taking steps *now* to be better prepared for future climate conditions to ensure they continue to prosper as a desirable place to live and work for generations to come.

## Objectives of the Project:

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A key objective of the Climate Resilience Express project is to partner with communities across Alberta to complete a streamlined (“express”) process aimed at developing a community-specific climate resilience action plan through a one-day workshop. Brazeau County is one of 13 communities in Alberta participating in the project.<sup>1</sup>

By participating in the project Brazeau County will:

- Increase local awareness and knowledge of potential climate changes and associated impacts on the local economy, property and infrastructure, the natural environment, and the health and well-being of residents; and
- Obtain a climate resilience action plan, including short and long-term actions aimed at increasing the County’s resilience to key climate risks and enhancing its capacity to take advantage of key opportunities.

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<sup>1</sup> Participating communities include: Banff, Beaver County, Big Lakes County, Black Diamond, Brazeau County, Bruderheim, Canmore, Mackenzie County, Okotoks, Spruce Grove, Sylvan Lake and Turner Valley.

**Workshop Agenda:**

<b>Time</b>	<b>Activity</b>
8:30-9:00	Arrival, tea and coffee
9:00-9:10	Opening remarks
9:10-9:20	Introductions
9:20-9:30	Project overview and agenda for the day
9:30-9:50	<p><b>Session 1: Exploring local weather and impacts</b></p> <p>Plenary discussion of how Brazeau County is currently affected by weather events, considering impacts on the local economy, property and infrastructure, the natural environment, and local health and well-being.</p>
9:50-10:50	<p><b>Session 2: Introduction to climate science and impacts</b></p> <p>Learn about climate science and key concepts, past climate trends for the area, future projections of climate change, and potential environmental changes and impacts.</p>
10:50-11:00	Health break
11:00-12:10	<p><b>Session 3: Identifying future climate impacts</b></p> <p>Group exercise to identify how projected future climate for the region could impact key economic sectors, property and infrastructure, the natural environment and health and well-being in Brazeau County.</p>
12:10-12:45	<p><b>Session 4: Prioritizing climate risks and opportunities</b></p> <p>Individual exercise to assess the severity and likelihood of the climate impacts facing Brazeau County.</p>
12:45-1:30 pm	Lunch
1:30-2:05	<p>Session 4: Prioritizing climate risks &amp; opportunities (continued)</p> <p>Plenary discussion to review the outcomes of the individual exercise and to identify priority risks and opportunities that will be the focus for action.</p>
2:05-2:45	<p><b>Session 5: Action Planning</b></p> <p>Group exercise to generate a list of actions to build resilience to the priority risks and to take advantage of opportunities.</p>
2:45-3:00	Health break
3:00-4:15	<p>Session 5: Action Planning (continued)</p> <p>Group exercise followed by plenary discussion to identify and characterize the most promising actions to build resilience in Brazeau County.</p>
4:15-4:30	Summary and closing

## The Workshop Delivery Team:

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**Richard Boyd.** An environmental economist specialising in decision-making to inform action on climate change adaptation and greenhouse gas mitigation. Richard is a recognized expert on climate change risk assessment methodologies and tools, and the economic analysis of climate change impacts and actions to reduce those impacts.



**Jeff Zukiwsky.** A professional planner specialising in community-based climate resiliency and adaptation. For the past decade Jeff has been working with communities across Canada supporting the development and implementation of climate adaptation plans using a participatory and stakeholder-driven approach.



**Mel Reasoner.** An earth scientist specialising in analyses of historical climate change in western North America, and the compilation of regional climate change projections. Mel is particularly skilled at tailoring this information for climate adaptation planning, as well as communicating basic climate science concepts to a broad range of audiences.



**Laura de Carolis.** A climate change program delivery professional specializing in energy efficiency and climate adaptation. For the past five years Laura has been working with municipalities across Alberta to help them address climate change through actions that reduce greenhouse gas emissions and build community resilience to future climate impacts.

With financial support from:

The Municipal Climate Change Action Centre and Alberta Ecotrust