

**AGENDA  
COUNCIL MEETING  
MUNICIPAL DISTRICT OF PINCHER CREEK NO. 9  
March 11, 2025  
3:00 pm  
Council Chambers**

- A. ADOPTION OF AGENDA
- B. DELIGATION
- C. MINUTES/NOTES
  - 1. Council Committee Minutes
    - February 25, 2025
  - 2. Council Meeting Minutes
    - February 25, 2025
- D. UNFINISHED BUSINESS
- E. BUSINESS ARISING FROM THE MINUTES
  - a) STARS
  - b) Northback
- F. COMMITTEE REPORTS / DIVISIONAL CONCERNS
  - 1. Councillor Tony Bruder – Division 1
    - WBRA February Update
  - 2. Reeve Rick Lemire – Division 2
  - 3. Councillor Dave Cox – Division 3
  - 4. Councillor Jim Welsch - Division 4
  - 5. Councillor John MacGarva – Division 5
- G. ADMINISTRATION REPORTS
  - 1. Operations
    - a) Public Works Department Report
      - Report from Public Works dated March 4, 2025
      - Schedule A – Shop/Fleet Report
    - b) Utilities & Infrastructure Report
      - Report from Utilities & Infrastructure dated March 5, 2025
    - c) Capital - Watercourse Crossing Inspection and Remediation; Proposed Rehabilitation Projects Changes
      - Report from Utilities & Infrastructure dated March 5, 2025
  - 2. Finance
    - a) Revised C-FIN-538 Procurement Policy
      - Report from Administration, dated March 4, 2025
  - 3. Planning and Community Services
    - a) The Range 5 – Cycling Event
      - Report from Development, dated March 6, 2025
    - b) Notice of Subdivision Application - 2025-0-006 Cardston County - Lot 1, Block 1, Plan 1811670 and NE
      - Report from Development, dated March 6, 2025
  - 4. Municipal
    - a) CAO Report
      - Report from Administration, dated March 6, 2025
    - b) Pincher Creek and District Chamber Trade Show
      - Report from Administration dated March 4, 2025
    - c) 2025 Municipal Election
      - Report from Administration dated March 5, 2025

H. CORRESPONDENCE

1) For Action

- a) MD Position Request
  - Request and background from Livingstone Landowners Group
- b) Pincher Creek and District Chamber
  - AGM March 12, 2025

2) For Information

- a) Pincher Creek Community Hall
  - Thank you for funding
- b) Launch of Lethbridge Region Economic Resilience Task Force
  - Information from Economic Development Lethbridge
- c) Diabetes Canada Donation Bin
- d) Community Greenhouse Gas Emissions Inventories
  - Report from QUEST
- e) Staying Safe in Wildfire Season
  - AltaLink
- f) Local Government Fiscal Framework
  - Letter from Albera Municipal Affairs

I. NEW BUSINESS

J. CLOSED MEETING SESSION

- a) Land Purchase Request – FOIP Sec. 24.1

K. ADJOURNMENT

MINUTES  
 REGULAR COUNCIL COMMITTEE MEETING  
 MUNICIPAL DISTRICT OF PINCHER CREEK NO. 9  
 Tuesday, February 25, 2025, 11:00 am  
 Council Chambers

Present: Reeve Rick Lemire, Deputy Reeve Tony Bruder, Councillors Dave Cox, John MacGarva and Jim Welsch.

Staff: CAO Roland Milligan, Public Works Manager Alan McRae, Utilities & Infrastructure Manager David Desabrais, Development Officer Laura McKinnon, and Executive Assistant Jessica McClelland.

Reeve Rick Lemire called the meeting to order, the time being 11:00 am.

1. Approval of Agenda

Councillor Dave Cox

Moved that the agenda for the February 25, 2025, Committee Meeting be approved as presented.

Carried

2. Delegation

a) STARS

Jackie Seely, Donor Relations & Development Officer, Southern Alberta STARS, attended the meeting to update the Council on STARS on partnerships with Municipalities in BC and Alberta. In 15 years they have had 225 scene calls in Southern Alberta. For the MD and Pincher Creek, 70 residents have been flown by STARS since 2010.

Due to the population increase, STARS is requesting a donation of \$7000 at a fixed rate annually. Council will discuss this further at the next meeting.

Jackie Seely left the meeting at this time, the time being 11:25 am.

b) Northback

Mike Young, CEO of Northback, attended the meeting to update the Council on projects in our neighboring area.

To date, Northback has provided the Crowsnest Pass with the following Community benefits:

- Prioritize Local Procurement
- Employ local service providers and staff
- Community investment and partnerships
- Australia Day annual fundraiser
- Sponsorships and donations
- First Nations Participation and Economic Opportunities
- Support Indigenous businesses and employment
- Property Taxes

REGULAR COUNCIL COMMITTEE MEETING  
MUNICIPAL DISTRICT OF PINCHER CREEK NO. 9  
TUESDAY, FEBRUARY 25, 2025

Their commitments remain as follows:

- Substantially different design will address public and JRP concerns
- Protecting waterways and fish
- Maintaining air quality
- Being open about our construction and operations
- Minimizing disruption and sharing benefits
- Economics of the redesigned mine remain robust, which will flow into jobs and regional benefits

Through hearings (full and limited participant hearings), they redesigned the project so it will now produce less than 3.75 million tonnes of steelmaking coal per year. The project will remain within the planned initial mine permit boundary, with waste rock stockpiles not being placed in the Gold Creek watershed. This change will protect the Westslope Cutthroat Trout population, and proven dust suppression practices will be employed to minimize airborne particles during construction and operations.

Mike Young reviewed the role of the Alberta Energy Regulator and how it involved the public and industry. And spoke regarding future steps for the Exploration Drilling Program application. March 4, 2025, is Closing Arguments, with a decision to be made less than 90 Days from closing arguments.

Mike requested that the MD of Pincher Creek not support the project but withhold judgment until they have talked to scientists with the information the Council seeks. The Council's concern has always been the need for safety in the water in our area, not in the drilling project itself. Discussion on selenium testing and amounts took place. While the Council can understand the financial benefits that this mine can bring in jobs and economic spinoff, the concern is an abundant and safe water supply.

Council questioned why Pincher Creek has not received financial support for our groups and organizations like Crowsnest Pass. The hope is that if the mine is approved, our community will also receive more support. Council asked if Northback knows if Grassy Lake will be the only mine for this area or if they can see expanding the project to move North. Presently, Northback doesn't have plans to try to grow in that area.

Mike Young left the meeting at this time, the time being 12:35 pm.

### 3. Closed Session

Councillor Dave Cox

Moved that Council move into closed session to discuss the following, the time being 12:42 pm.

- a) Public Works Call Log – FOIP Sec. 24.1

Councillor John MacGarva

Moved that Council move out of closed session, the time being 12:47 pm.

Carried



REGULAR COUNCIL COMMITTEE MEETING  
MUNICIPAL DISTRICT OF PINCHER CREEK NO. 9  
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4. Review of Ranchland ICF

Council reviewed the Intermunicipal Collaboration Framework (ICF) with Ranchland and, moving forward, has no issue with extending the review period.

5. Round Table

- Tipping fees at Crownsest Pincher Creek Landfill Association—MD is looking into changing the fee structure for MD residents to allow them to pay only the overage, not the entire load.
- Twin Butte Coffee with Council – good discussion and excellent resident attendance.
- Gryphon Digital Mining (Formerly Captus) is willing to attend a meeting anytime to clear up rumors; at present, there is nothing new to report.
- Rocket Doctor – a new online system to talk to a doctor, covered by Alberta Health.
- Unimproved Roads—discussion of whether they should all be open or left at “no winter maintenance.” The Council will abide by the policy, which states that the final decision is with the Public Works Manager.
- Emerging Trends – lots of information for administration, wasn’t as helpful for Council. Good information was presented on employment contracts and joint use planning agreements with the schools.
- Curling Club update with new location.
- Deadstock Bins—Transferring deadstock to Lethbridge with West Coast Reduction is expensive, yet putting it in landfills isn’t the answer. The facility needs to consider composting as an option. Cardston County had success with this project but has since shut it down.
- Highway #785 – concerns on gravel and pavement.

6. Adjournment

Councillor Jim Welsch

Moved that the Committee Meeting adjourn, the time being 2:00 pm.

Carried

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REEVE

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CHIEF ADMINISTRATIVE OFFICER

**MINUTES**  
**MUNICIPAL DISTRICT OF PINCHER CREEK NO. 9**  
**REGULAR COUNCIL MEETING**  
**FEBRUARY 25, 2025**

9943

The Regular Meeting of Council of the Municipal District of Pincher Creek No. 9 was held on Tuesday, February 25, 2025 at 3:00 pm, in the Council Chambers of the Municipal District Administration Building, Pincher Creek, Alberta.

**PRESENT** Reeve Rick Lemire, Deputy Reeve Tony Bruder, and Councillors Dave Cox, John MacGarva and Jim Welsch.

**STAFF** CAO Roland Milligan, Public Works Manager Alan McRae, Director of Corporate Services Meghan Dobie, Utilities & Infrastructure Manager David Desabrais, Development Officer Laura McKinnon and Executive Assistant Jessica McClelland.

Reeve Rick Lemire called the meeting to order at 3:00 pm.

**A. ADOPTION OF AGENDA**

Councillor John MacGarva 25/084

Moved that the agenda for February 25, 2025, be amended to include:

Operations:

c) Utility Rate Bylaw Open House Rescheduling

Correspondence – Action:

5) Group Group Youth – Community Safety Net Brochure

6) Living Lakes Workshop – March 5, 2025

Correspondance – Information:

2) Phil Burpee Letter to Premier Smith

Carried

**B. PUBLIC HEARING**

1. Public Hearing Called to Order

Reeve Rick Lemire called the Public Hearing to Order at 3:01 pm.

2. Reeve Rick Lemire overviewed the general rules of conduct during a public hearing.

3. Advertising Requirement

Reeve Rick Lemire stated that the Public Hearing has been advertised in accordance with Section 606 of the Municipal Government Act. It was advertised in Shootin the Breeze on February 12 and 19, 2025, as well as on the MD website and MD Social Media pages.

4. Purpose of the Hearing

Reeve Rick Lemire stated the purpose of Bylaw No. 1354-25, being for the purpose of closing to Public Travel and creating title to and disposing of the following described highways, subject to rights of access granted by other legislation:

ALL THAT PORTION OF GOVERNMENT ROAD ALLOWANCE LYING  
 BETWEEN NW 7-6-1-5 AND SW 18-6-1-5 FORMING PART OF LOT 2, BLOCK  
 1, DESCRIPTIVE PLAN \_\_\_\_\_, CONTAINING 0.59 HECTARES (1.46  
 ACRES) MORE OR LESS

5. Presentations:

Reeve Rick Lemire asked if there were any verbal or paper statements for the presentation, but there were none.

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6. Closing Comments – none

7. Adjournment from Public Hearing

Councillor Dave Cox 25/085

Moved to adjourn the public hearing, the time being 3:02 pm.

Carried

C. MINUTES

1) Council Committee Meeting Minutes – February 11, 2025

Councillor Jim Welsch 25/086

Moved that the minutes of the Council Committee Meeting of February 11, 2025 be approved as presented.

Carried

2) Council Meeting Minutes - February 11, 2025

Councillor John MacGarva 25/087

Moved that the minutes of the Council Meeting of February 11, 2025 be approved as presented.

Carried

3) Coffee with Council – Twin Butte

Councillor Tony Bruder 25/088

Moved that the notes from the Coffee with Council at Twin Butte, on February 18, 2025, be amended to change Shell to Gulf,

AND THAT the notes be approved as amended.

Carried

D. UNFINISHED BUSINESS

E. BUSINESS ARISING FROM THE MINUTES

a) Bennink Farms Road Concerns

Councillor Dave Cox 25/089

Moved that a letter be sent to Bennink Farms stating that the MD is looking at a workable solution to assist with their concerns and will follow up.

Carried

b) Livingstone Landowners Group

Councillor Tony Bruder 25/090

Moved that the presentation and follow-up from the Livingstone Landowners Group be received as information.

Carried

Minutes  
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F. COMMITTEE REPORTS / DIVISIONAL CONCERNS

1. Councillor Tony Bruder – Division 1
  - Crowsnest Pincher Creek Landfill Association
  - Meeting with Ranchland
2. Reeve Rick Lemire – Division 2
  - Scholarship Committee
3. Councillor Dave Cox – Division 3
  - Pincher Creek Library Expansion
  - Castle Resort Fireguard
4. Councillor Jim Welsch - Division 4
  - Concern – Camping at Black Powder Gun Range
  - Scotten Gravel Pit Reclamation
5. Councillor John MacGarva – Division 5

Councillor Dave Cox 25/091

Moved to accept the Committee Reports as information.

Carried

G. ADMINISTRATION REPORTS

1. Operations
  - a) Public Works Operations Report

Councillor Jim Welsch 25/092

Moved that Council receive the Public Works Operations Report, including Schedule A – Shop/Fleet Report, for the period February 2, 2025, to February 15, 2025, as information.

Carried

- b) Utilities & Infrastructure Report

Councillor Tony Bruder 25/093

Moved that the Utilities & Infrastructure report for February 5, 2025, through February 19, 2025, be received as information.

Carried

- c) Utility Rate Bylaw Open House Reschedule

Councillor Tony Bruder 25/094

Moved that the Utility Rate Bylaw Open House be rescheduled to Wednesday March 26, 2025 from 5:00 pm to 7:00 pm.

Carried

2. Finance
  - a) Rescinding Policy C-FIN-34 Purchasing

Councillor Dave Cox 25/095

Moved that Council rescind policy C-FIN-34.

Carried

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3. Development and Community Services

a) RCMP Reporting

Councillor Jim Welsch 25/096

Moved that the RCMP Quarterly Report for Crowsnest Pass and Pincher Creek Detachment be received as information.

Carried

b) Road Closure Bylaw 1356-25 Plan 5510 AL – All that portion of Nanton St Forming Part of Lot 1 Block C, Plan \_\_\_\_\_

Councillor Dave Cox 25/097

Moved that Council give first reading to Road Closure Bylaw 1356-25, being the Bylaw to close Plan 5510 AL – All that portion of Nanton Street forming part of Lot 1 Block C, Plan \_\_\_\_\_;

AND THAT the required Public Hearing be scheduled for March 25, 2025 at 3:00 pm.

Carried

4. Municipal

a) CAO Report

Councillor Tony Bruder 25/098

Moved that Council receive for information, the CAO Report for the period February 8, 2025 to February 20, 2025.

Carried

b) 2026 Joint Grant

Councillor Tony Bruder 25/099

Moved that the agreement between the Town and Pincher Creek and Municipal District of Pincher Creek No. 9 for Joint Council Grant be approved as presented;

AND THAT the administrative procedures and application form for the 2026 Joint Grant Committee be approved as presented.

Carried

c) 2025 Reuse & Recycle Fair

Councillor John MacGarva 25/100

Moved that Council authorize a 50/50 split, up to a maximum of \$10,000, to be taken from the tax rate stabilization fund, to jointly host the 2025 Reuse & Recycle Fair with the Town of Pincher Creek on June 7, 2025.

Carried

H. CORRESPONDENCE

Minutes  
 Council Meeting  
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A. For Action

- 1) Council Survey for RMA and ABmunis Running for Municipal Office Campaign

Councillor Tony Bruder 25/101

Moved that the Survey for RMA and ABmunis Running for Municipal Office Campaign be received as information.

Carried

- 2) Letter of Support Request - Pincher Creek Curling Association

Councillor Tony Bruder 25/102

Moved that Council authorize a letter of support for the Pincher Creek Curling Association.

Carried

- 3) Indigenous Tourism Alberta (ITA) Mini Gathering

Councillor Jim Welsch 25/103

Moved that the Indigenous Tourism Alberta (ITA) Mini Gathering be received as information.

Carried

- 4) 2025 Minister's Awards for Municipal and Public Library Excellence (MAMPLE)

Councillor Tony Bruder 25/104

Moved that Council direct administration to post the 2025 Minister's Awards for Municipal and Public Library Excellence (MAMPLE) on the MD's Social Media.

Carried

- 5) Group Group Youth – Community Safety Net Brochure

Councillor Jim Welsch 25/105

Moved that the MD support Group Group Youth – Community Safety Net Brochure in the amount of \$84.00.

Carried

- 6) Living Lakes Workshop – March 5, 2025

Councillor John MacGarva 25/106

Moved that any interested member of Council be authorized to attend the Living Lakes Workshop on March 5, 2025, at the Heritage Inn.

Carried

B. For Information

Councillor Tony Bruder 25/107

Moved that the following be received as information:

- 1) Joint Use Planning Agreements (JUPAs) Letter and Ministerial Order  
 - Letter from Alberta Municipal Affairs

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2) Phil Burpee Letter to Premier Smith

Carried

I. NEW BUSINESS

J. CLOSED SESSION

Councillor Jim Welsch 25/108

Moved that Council move into closed session to discuss the following, the time being 4:48 pm.

- a) Request to Waive Penalty – Roll # 4423.150 – FOIP Sec. 17.1
- b) 150AWD or Equivalent Motor Grader Purchase FOIP Sec 24.1

Councillor John MacGarva 25/109

Moved that Council move out of closed session, the time being 5:00 pm.

Carried

- a) Request to Waive Penalty – Roll # 4423.150

Councillor Jim Welsch 25/110

Moved that the request to waive tax penalties of \$106.92 applied on tax roll 4423.150, be denied.

AND THAT the resident be authorized to register for TIPP.

Carried

- b) 150AWD or Equivalent Motor Grader Purchase

Councillor 25/111

Moved that administration proceed with purchasing the motor grader, as discussed in closed session.

Carried

K. ADJOURNMENT

Councillor John MacGarva 25/112

Moved that Council adjourn the meeting, the time being 5:01 pm.

Carried

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REEVE

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CHIEF ADMINISTRATIVE OFFICER



# M.D. of Pincher Creek Update

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February 25, 2025





**Thank you  
for having  
us today**

- 1. Introductions**
- 2. Grassy Mountain Project Update**
- 3. Facts and fiction**


# **Non-Binding Vote of the Electors Municipality of Crowsnest Pass**



## Do you support the development and operation of the metallurgical coal mine at Grassy Mountain?

*On November 25, 72% of voters said YES to Grassy Mountain.*

*54% voter turnout*



 **NORTHBACK**

**Discover why **72%** of voters support **Grassy Mountain.****

**LEARN MORE**



# Community benefits

## Prioritize Local Procurement

- Employ local service providers and staff
- Community investment and partnerships
- Australia Day annual fundraiser
- Sponsorships and donations

## First Nations Participation and Economic Opportunities

- Support Indigenous businesses and employment

## Property Taxes







## by the Numbers

Northback's procurement policies prioritize the use of **local vendors** and **contractors**.

Northback has committed to Piikani Employment Services to work with local contractors to provide on-the-job training opportunities and work experience to Nation members and for Nation members to learn more about reclamation and environmental monitoring.

## The Crowsnest Pass Quad Squad

"The Crowsnest Pass Quad Squad is a volunteer, non-profit society incorporated in 1998 registered in the Province of Alberta, with a mission to promote responsible use of Alberta's Southern Rockies designated trail system, and to ensure the conservation of our wilderness areas for the continued use of future generations. Northback has been a strong community member of the Crowsnest Pass, bringing employment, community support and a sound environmental plan for the mining and reclamation of previously mined areas, that were simply left to the environmental hazards by the previous company that mined the area."

- Gary Clark, President of the CNP Quad Squad



**1600+**

petitions signed in support of steelmaking coal mining in Alberta  
*(organized by the Citizens Supportive of Crowsnest Coal)*



**23**

Piikani Nation members currently employed by Piikani Security Services, in large part due to the support of Northback for training and capacity development, as well as various contracts that Northback has provided to Piikani Security Services.



**150+**

signed up for Grassy Mountain Site Tours



**\$910,321**

invested since 2013 to local scholarships, charities and non-profit organizations



**70 out of 86**

submitted requests and letters of support endorsing Northback's application for a coal exploration drilling program



**69**

per cent of Albertans express support for the mining of steelmaking coal.



### We heard from you

"I am a long time resident of the Crowsnest Pass residing in Blairmore. I strongly support the applications by Northback and believe it is in the best interest of the Crowsnest Pass and surrounding communities." – Shar Cartwright

**Over \$23 million spend with over 370 local vendors and suppliers since 2018**

# Our Commitments

- **Substantially different design will address public and JRP concerns**
- **Protecting waterways and fish**
- **Maintaining air quality**
- **Being open about our construction and operations**
- **Minimizing disruption and sharing benefits**
- **Economics of the redesigned mine remain robust, which will flow into jobs and regional benefits**



# Operations Planning

- The redesigned project will produce less than 3.75 million tonnes of steelmaking coal per year
- The project will remain within the originally planned mine permit boundary
- Waste rock stockpiles will not be placed in the Gold Creek watershed, to protect the Westslope Cutthroat Trout population
- Proven dust suppression practices will be employed to minimize airborne particles during construction and operations



# Alberta's Coal Initiative

On December 20, the Government of Alberta announced the new Alberta Coal Industry Modernization Initiative.





# Alberta Coal Industry Modernization Initiative

## **Coal mining is permitted to take place if it met certain standards:**

- No mountaintop removal mining would be allowed as a coal mining technique
- No new open-pit coal mining would be allowed in the Eastern Slopes, relating to all 4 categories of the 1976 Coal Development Policy, "subject to any further regulations flowing from land use planning work which is underway."
- New coal mining proposals would be required to use techniques that use "best water practices and prevent adding selenium into waterways." New proposals will either need to be underground mines or use mining technologies such as highwall automated underground mining.
- Rules under the 1976 Coal Development Policy for national parks, provincial parks, wildland parks, wilderness areas, ecological reserves and provincial recreation areas continue.



# Project Status Update



# Project status update

- Exploration Drilling Program application
  - Dec 3, 2024 – Limited Participants Hearing
  - Jan 14-16, 2025 – Full Participants Hearing
  - Mar 4, 2025 – Closing Arguments
  - Decision - <90 Days from closing arguments
- What's next?



# Facts and Fairness



## The role of the Alberta Energy Regulator

- The AER's mandate is ensure **efficient, safe, orderly, and environmentally responsible** development of energy and mineral resources in Alberta
- Application process ensures substantial public involvement including review in AER's quasi-judicial hearings → Northback's drill hearing
- The AER's regulatory structure includes rules, regulations, orders, requirements, and enforcement tools. The AER's goal is to prevent incidents, support innovation, and promote transparency and accountability





Our ask of you...

**BE CURIOUS**





# Thank you

Mike Young  
CEO Northback  
[ceo@northback.ca](mailto:ceo@northback.ca)



## What's new with WBRA



**FEBRUARY FAUNA - Elk digging through the snow to graze near the Waterton Lakes National Park boundary. (Photo: S. Feagan/NCC)**



# Green Acreages Workshop in Cardston, March 31



Hosted by:



Do you own an acreage, hobby farm or recreational property? Then plan on attending this free workshop.




Fencing presentation by Cardston County, followed by the Green Acreages Workshop

At this workshop you will learn about stewardship and how to:

- Better manage and improve your property
- Evaluate your acreage
- Map your property assets and plan your activities
- Access funding to help with a stewardship project and learn about eligible projects
- And more



 **Join us at this FREE Green Acreages workshop**

Presented by Land Stewardship Centre

HOSTED BY:	Cardston County & Waterton Biosphere Region
DATE:	March 31, 2025
TIME:	6:00 pm - 9:00 pm; supper provided
LOCATION:	Cardston County Office 1050 Main St., Cardston, AB
PREREGISTER TODAY AT:	<a href="https://shorturl.at/SAXrf">https://shorturl.at/SAXrf</a>

If you own an acreage in Cardston County, mark March 31 on your calendar!

Following on the success of a Green Acreages workshop last summer with M.D. of Pincher Creek, Waterton Biosphere Region (WBR) and Cardston County are partnering to bring this workshop to county acreage owners on the evening of March 31.

Over the past few years, owners of acreages, hobby farms, and recreational properties have been reaching out about stewardship practices related to the habitat and species found on their lands—this workshop aims to build their capacity.

Green Acreages workshops, a program of the Land Stewardship Centre, are led by an experienced and knowledgeable facilitator and offer a practical, hands on approach to helping people become better stewards of these smaller land parcels.

Participants evaluate their acreage, map their natural assets, learn about examples of beneficial management practices, and plan stewardship activities. The associated workbook also provides background on specific issues (e.g., weed control, carrying capacity of pastures), includes relevant legislation, and identifies sources of additional information.

Funding opportunities are discussed that may be available for particular project ideas, and by the end of the workshop, participants are well positioned to complete their stewardship plan and apply for such funding incentives.

Workbooks will be provided by WBR, and satellite imagery with property boundaries will be provided for residents by Cardston County. WBR and Cardston County Ag staff will also present relevant local information for stewarding acreages.

**The March 31 event will be held at the Cardston County Office (1050 Main St, Cardston) starting with supper at 6:00 pm followed by the workshop and presentations. The evening should wrap up by 9:00 pm.**

Register for this free evening by clicking [HERE](#)

Financial and in-kind support for this event are provided by Environment and Climate Change Canada, Land Stewardship Centre of Canada, Cardston County, and Waterton Biosphere Region.

# Private Lands Grizzly Den Project



**DENNING, A BEAR NECESSITY - A grizzly takes a brief nap outside its den after an early season snowfall.** (Photo: Xaver Klaussner/AdobeStock)

The Waterton Biosphere Region's Carnivores And Communities Program (CACP) is undertaking an interesting project this year related to grizzly bear den sites on private land.

We are currently looking for landowner input on potential or suspected grizzly bear den sites. This information will help inform our knowledge of grizzly bear range, habits, and habitat use outside of the Recovery Zone.



Denning is an important component of a grizzly bear's annual cycle. This information will foster a better understanding of how bears are interacting with the landscape. Results of this project will help fill knowledge gaps related to grizzly bear use of prairie habitats.

Landowners are asked to share their observations with us and WBR staff will arrange follow-up visits during summer months to assess sites and, with permission, establish remote camera traps on the location.

Information gathered will be kept in strictest confidence.

**If you suspect you have a bear den on your property, please email Jeff Bectell at [jbectell@watertonbiosphere.com](mailto:jbectell@watertonbiosphere.com) or Andrea Morehouse at [amorehouse@watertonbiosphere.com](mailto:amorehouse@watertonbiosphere.com).**

## Presenters & Volunteers Needed

**SAVE THE DATE!**  
PINCHER CREEK  
DAY *on the*  
CREEK

May 15, 2025

Learning in the great outdoors!

**For more information contact:**  
Nora Manners - Waterton Biosphere Region  
[nmanners@watertonbiosphere.com](mailto:nmanners@watertonbiosphere.com) - 403-627-1473

WATERTON  
BIOSPHERE REGION

**MARK YOUR CALENDARS!** - The Waterton Biosphere Region is proud to announce the date for this year's Day on the Creek youth education event in Pincher Creek. If you are a past presenter or volunteer, and you're available to join us once more, please contact Nora Manners at [nmanners@watertonbiosphere.com](mailto:nmanners@watertonbiosphere.com). Please mark May 15th on your schedule and join us for a day of learning on the landscape.

## Calling All Citizen Scientists



**GET OUT THERE AND SCIENCE** - The Waterton Biosphere Region would like to announce the dates for their first-ever bioblitz. If you are looking for something fun and educational to do between Mar. 20 and 31, get out there in the wilderness with your smart phone! (Photo: Kim Pearson/WBR)

What is the coolest plant or animal you have seen in Waterton Biosphere Region? Do you think you could find it again? This year we are hosting a series

of seasonal bioblitzes for the citizen scientists among us to help document the array of species found in the region.

If you have never heard of a bioblitz before, it is a communal effort that focuses on observing and identifying as many species as possible in a specific area over a short period of time.

These focused observations help us better understand factors like

- Distribution of rare or often overlooked species,
- Species habitat associations,
- Potential changes of species ranges/timing of seasonal movements, or
- Presence of new or invasive species.

We are having our first bioblitz, or WBR WilderBlitz as we are calling it, from March 20 to 31. This marks the beginning of spring and we know from our previous work that it should span the peak migration of trumpeter swans through the region.

So grab your phone/camera, binoculars, and a buddy and head out for some WilderBiltzing!

Observations can be made along roadways, in a park or protected area, or on private land (if you have permission) – you just need to snap a picture or record an audio track that someone can identify. Check out our [bioblitz webpage](#) to learn more about how to participate, how to use the iNaturalist app, answers to frequently asked questions, and much more.

We will have a prize for the participant who has recorded the most observations overall in the time period and a prize for the participant who has seen the most species! If you can't participate in this inaugural WilderBlitz, stay tuned through the year for additional seasonal opportunities.

For more information about this year's WilderBlitz activities, please visit our website [HERE](#)

## Project Season Fast Approaching





**SUMMER SEASON PLANNING** - The Waterton Biosphere Region would like to remind area stakeholders that now is the time to be thinking about applying for projects in our program areas. Above, a photo of a hopper bottom bin installed to prevent wildlife from accessing stored grain.

For more information about our programs and stewardship offerings click [HERE](#). For more information about the Carnivores and Communities Program, click [HERE](#)




(Photo: A. Loosen/WBR)

Thank you for taking the time to read our e-Newsletter.  
Follow us on social media and visit our website to learn more about the **Waterton Biosphere Region** and our initiatives.

**If you would like to make a donation to the WBR to support our programs, please click button below.**

[\*\*DONATE\*\*](#)

## Recommendation to Council

<b>TITLE: PUBLIC WORKS DEPARTMENT REPORT</b>			
<b>PREPARED BY: Alan McRae</b>	<b>DATE: March 4, 2025</b>		
<b>DEPARTMENT: PUBLIC WORKS</b>			
<b>ATTACHMENTS:</b>			
1.Schedule A – Shop/Fleet Report			
<b>APPROVALS:</b>			
 <b>PW MANAGER</b>	<b>March 4, 2025</b> <b>DATE</b>	 <b>CAO</b>	<b>2025/03/04</b> <b>DATE</b>
<b>RECOMMENDATION:</b>			
<b>THAT Council accept the Public Works Department Report for the period of February 16<sup>th</sup> to March 1<sup>st</sup>, 2025 as information.</b>			
<b>Divisional maintenance- Snow removal, grading and private drive snow removal</b> <b>Hamlet maintenance-Snow removal</b> <b>Hard surface maintenance-Snow removal and sanding</b> <b>PW Yard Clean-up</b> <b>Permanent snowfence maintenance, removal and rebuild</b> <b>Pincher Station-Snow removal</b> <b>Brushing/Hand slashing in BM and Willow Valley</b> <b>Mob skidsteer back from WWTP</b>			
<b><u>FINANCIAL IMPLICATIONS:</u></b>			
None			

Presented to: Council  
 Date of Meeting: March 11, 2025



# PUBLIC WORKS REPORT SCHEDULE "A"

## SHOP/FLEET OPERATIONAL REPORT



PREPARED BY: ALAN MCRAE

DATE: March 4, 2025

DEPARTMENT: PUBLIC WORKS

ATTACHMENTS: N/A

### SHOP/FLEET OPERATIONS SUMMARY:

#### Graders

Unit #59-T/S Injector code, replace injector, t/s ripper switch and repair  
Unit #61-Install 3 new wheel studs, Hyd hose repair, coolant leak repair  
Unit #70- Service call- Hyd leak on dozer blade

#### Heavy Trucks/Equipment

Unit 42 (JD tractor)- Field inspection

#### Light Duty and Light Trailers

Unit #14 (utility trailer)- t/s wiring issue and repair  
Unit #402 (small plow)-Replace snow plow shoes  
Unit #479 (service truck)- t/s fuel gauge not working  
Unit #504 (1/2 ton)-Tire install, remove faded decals and replace with window decals, service, t/s electrical issue  
Unit #509 (3/4 Ton)- Service  
Unit #665 (3/4 Ton)-Boost and battery replacement  
Unit #667 (3/4 ton)- Take to dealership for safety recalls, pick up after completion, seasonal inspection  
Unit #668 (3/4Ton)- Take to dealership for safety recalls, pick up after completion, seasonal inspection

### MISCELLANEOUS

- Shop clean
- Inventory checks
- Repair order updates and close outs



**M.D. OF PINCHER CREEK NO. 9**  
**UTILITIES & INFRASTRUCTURE REPORT**

G1b

**General Projects Budget Update**

**2024 Approved Budget: \$4,998,000. Mar. 5<sup>th</sup> Spend: \$2,367,914**

**2025 Approved Budget: \$3,942,000.**

**Large Ongoing Projects (Pre-2025 Construction Start)**

- **Beaver Mines Water Distribution, Collection System**
  - Record drawings & GIS data received. Awaiting remaining closeout docs (Op. & Maint. manuals) from MPE & Record drawing revision
    - Received Feb 28<sup>th</sup>, 2025
  - Construction complete. Awaiting rainstopper installation in a few manholes (warranty)
- **Beaver Mines Waste Facility/System**
  - Final turnover package received, GIS information received Jan 20<sup>th</sup>
- **Beaver Mines Forcemain & Lift Station**
  - Awaiting minor changes to Record drawings
- **Oldman Reservoir Water Intake Low Level Project**
  - \$1.68M grant application finalized Jan 30<sup>th</sup>, 2024
    - Approval received for \$1.8M project, covering up to 75% of costs
  - DFPP (Drought and Flood Protection Program) grant application submitted June 6<sup>th</sup>
    - Approval received Aug. 6<sup>th</sup> to assist with topping up Capital Project and cover 70% of costs for a Drought Projects Assessment
  - One of two (2) new VFD installs went well, appears to be a manufacturer issue with the other
    - Manufacturer (Spartan Controls) tech site visit occurred Jan 16<sup>th</sup>
    - Additional site visit with manufacturer complete Feb 5<sup>th</sup>, anticipate 2 months for new sine wave filter
- **Bridge File 2488 – Fisher Bridge, NW-26-07-02-W5M**
  - Scour identified under existing abutment. Costed plan included for 2025 budget
  - DFO, Historical Resources, Public Lands Disposition submitted
    - DFO response received Sep 3<sup>rd</sup> with additional questions on work. Additional response received Nov. 29<sup>th</sup> indicating DFO is experiencing delays and directing MD to begin work on SARA permit
      - SARA permit submitted Dec. 19<sup>th</sup>. SARA permit formally requested Jan 9<sup>th</sup>, previous submission reiterated. DFO confirmed receipt Feb 7<sup>th</sup>, indicating response by May 7<sup>th</sup>
    - Public Lands Disposition received Oct 3<sup>rd</sup>
- **Watercourse Crossing Inspection & Remediation Project – 100% Grant funded**
  - Funding agreement signed Mar. 28<sup>th</sup>, 2023 for \$1.55M to cover more assessment and engineering along with replacement of 2 crossings, to be complete by March 2025

- Extension requested to March 31<sup>st</sup>, 2027, anticipate response in March
- 3<sup>rd</sup> grant application for additional top up funding submitted Dec. 5<sup>th</sup> for \$900,500. Email response received that AB Government is planning to pull remaining unallocated funds back from WCR program as opposed to issuing additional grants
  - Requested discussion with funder regarding alternate uses for remaining \$600,000 in funds already awarded under the program
  - BF 7080 Dungarvan Creek replacement is no longer recommended due to excess internal funds required for completion
  - Funder is reconsidering BF 1348 Connelly Creek. Revised preliminary estimate received for a 65m L x 3.3m diameter culvert with concrete end treatments. Requires full road realignment. Discussion had with funder Mar. 5<sup>th</sup>. New culvert would be 6<sup>th</sup> longest in MD
    - Estimate \$525,000 internal funds would be required vs. \$1,050,000 for Dungarvan
    - Significant road alignment issues at this location with multiple landowners







U/S barrel



Cracked ring #6 145mm between cracks



Corrosion on Side wall

- **WCR #2: S. Todd Creek Trib. under Chapel Rock Road, SE-23-009-03 W5M**
  - 100% grant funded
  - Work complete
  - Reassessment of road leveling required in Spring once thawed

## **Large Projects Planned for 2025 Implementation**

### **Water Operations Remote Monitoring System Migration – 2025**

*SCADA System Migration to VTScada. Includes replacement of main desktop at WTP, full migration programming and HMIs (Human Machine Interfaces), and licensing software*

- Awarded Jan 22<sup>nd</sup>. Desktop computer arrived. Updated and delivered to MPE
- Kickoff meeting complete Feb 5<sup>th</sup>, anticipate on-site commissioning in June

## Meyers Corner Road Culvert Replacement

*Replace failed 900mm culvert via boring method*

- Sizing and aquatic assessment complete by Roseke in 2024. Design complete for a bored 1.37m x 35m Smooth Walled Welded Pipe
  - Geotechnical work complete, confirmed mostly clay (suitable for drilling)
  - Survey and conceptual design drawing complete
  - Contractor has confirmed unit pricing still stands. However, design length is 10m longer than original quote, increasing boring cost about \$35,000
- Proceeding with ROW acquisition. Revised direction underway based on legal advice for land acquisitions. Will require either:
  - Amalgamation into road plan for entire work area
  - Public Works ROW (outside bed + banks), + Provincial Roadway Reservation/Road Plan (bed and banks portion)

## Community Events Board, Admin Building

*Single sided electric community events board on Admin building to advertise current events and upcoming meetings.*

- Project contingent on receiving required permits
- Obtaining comparison quotes and models for Council review
- **Bridge File 70175 – Yarrow Creek Bridge Rehabilitation, NW-22-003-030 W4M**

*Perform a pile splice repair on two piles in the west abutment, replace the east pile cap, place fill and riprap at the west headslope, minor wheel guard repairs & repairs to timber span, channel realignment, and west abutment riprap work*

  - Preliminary Engineering & Design complete
  - Sensitive stream habitat, SARA permit required. Construction window of August
    - DFO SARA permit approval received Jan 15<sup>th</sup>
  - Water Survey of Canada notified regarding measurement which needs to be moved
  - Land signoff taking longer than anticipated due to environmental easement questions. Information provided regarding environmental easement
    - SALTS approval received Oct 3<sup>rd</sup>
  - Direction given to closeout land acquisition with RDS for bed/banks portion. Refer to Meyers Corner for details
- **WCR #1: Iron Creek under Tapay (Carbondale) Road, LSD SE-15-006-03 W5M**

*Install new 4.7m x 2m x 15m L corrugated steel box culvert to remediate fish passage concerns on Iron Creek under the WCR program (100% funded)*

  - Tender for install awarded to TA Excavating alongside South Todd Creek Tributary
  - Completion: September 30<sup>th</sup>, 2025
  - Permit submissions have begun. DFO has indicated review period for Species At Risk Act (SARA) permit will be 90 days despite delays in processing to date
    - DFO SARA approval received July 16<sup>th</sup>, 2024



- Design work underway, anticipate preliminary cost options by Mar. 11<sup>th</sup> followed by preliminary drawings

## **Large Projects Planned for 2026 Implementation**

- **Southfork Hill Road**

*Emergent investigatory and repair work for the Southfork Hill slide issues*

- Geotechnical scope awarded and complete. Final geotech. report received Dec 9<sup>th</sup>
- STIP application submitted Nov. 28<sup>th</sup>, 2024 with letters of support from Campground and nearby farming operation. Revision submitted Dec. 19<sup>th</sup> with additional letter of support from MLA and final geotech. report
  - Awaiting funding decision
- Propose assessing need to begin work on detailed design, tender, and regulatory approvals after assessing Spring 2025 runoff effect on road conditions. Any work done prior to a grant decision would not be eligible for external funding

- **WCR #3: Dungarvan Creek under Oil Basin Road, LSD SW-17-003-29 W4M**

*Replace existing 4m x 4.5m x 37m L culvert with a 3 span girder bridge with steel substructure to remediate fish passage concerns on Iron Creek under the WCR program (anticipate 90% funded)*

- A funding amendment was submitted Dec. 5<sup>th</sup> for additional funds to replace this culvert with a three span girder bridge
  - Feb 4<sup>th</sup>: WCR Program has indicated additional funding asks no longer being considered. BF 7080 was contingent on the success of this application. It is no longer recommended to move forward with the project at this time
- To be formally brought forward to Council for cancellation recommendation regarding alternate use of funds

- **Pisony Road over Cow Creek Tributary Culvert, LSD NE-01-009-03 W5M**

*Non-bridge sized culvert failing on dead end road. 2024 funds to assess appropriate replacement sizing and design. Stream flows all year and culvert is likely undersized*

- Preliminary engineering and basic aquatic assessment kicked off Jan. 31st, 2025 with Roseke. Reduced prelim. engine. scope compared to Bridge Files
- Anticipated construction 2026

- **Bridge File 71542 – Waldron Flats over Indian Creek, SE-07-010-01 W5M**

*2m x 2.2m x 32m L culvert with isolated perforations in the roof of 3 rings and 1 ring on the foot. Minor roof and sidewall deflection*

- Preliminary engineering and aquatic assessment kicked off Jan. 31<sup>st</sup>, 2025 with Roseke to determine appropriate replacement design or maintenance (liner). Currently, it is anticipated replacement will be required
- Anticipate construction 2026
- **Bridge File 76203 – West End Maycroft over Ernst Creek, NW-26-010-03 W5M**
  - 2.5m x 1.8m x 20m L culvert with 3 cracked rings in sidewall with 85mm remaining. Deflection and corrosion also present*
  - Preliminary engineering and aquatic assessment kicked off Jan. 31<sup>st</sup>, 2025 with Roseke to determine if maintenance of cracked seams is feasible via weld, shotcrete beam, etc. or if replacement has a better lifecycle value
  - Anticipate construction 2026

## **Studies and Planning Work**

### **Lundbreck Lagoon Resiliency Analysis & Regionalization – Engineering 2023/24**

*Review Lagoons ability to take on more flow (both regular and high strength). Review Cowley Lagoons ability to do the same, and options for regionalization*

- Notice of successful grant received Mar. 21<sup>st</sup>, 2023
- Lundbreck, Cowley, and regional report drafts received and reviewed. Once actual flow data is measured in 2024 the three (3) studies can be finalized
  - Draft final reports received Dec. 18<sup>th</sup>. Feedback given, awaiting final response

### **Regional Drought Strategic Implementation Strategy & Raw Water Storage Project**

- Grant application for 3 month (25-year) forecasted volumes
  - Approval received for \$3.4M project, up to 75% of costs. Signed and sent to ATEC
- Grant application for a Drought Projects Assessment
  - Approval received to cover up to 70% of costs. Grant contract reviewed and signed
- Scope of work drafted for Drought Projects Assessment. Pricing due March 10<sup>th</sup>

### **Transportation Master Plan**

*\$200,000 grant received from ACP to complete a Transportation Master Plan, consisting of a paved, gravel road condition assessment, culvert (non Bridge File) condition assessment, gravel pit analysis, airport runway assessment*

- Gravel pit surveying complete, data was received and reviewed late December
  - Report drafting underway, anticipate completion by Council March 11<sup>th</sup>
- Maycroft Road drone survey partially complete for 8km of roadway. Completing initial assessment for portion of road completed
- Gravel road and culvert assessment methodology reviewed with MPE for Spring 2025 start. Anticipate completion Fall 2025
- Airport load assessment work complete, data imports issue resolved. Anticipate report by mid March



- Sapeta pit plan cost estimates received

### Cridland Dam

*Geotechnical work as recommended in 2021 Dam Safety Review due to observed seepage and unknown soil properties*

- To be kicked off in 2025

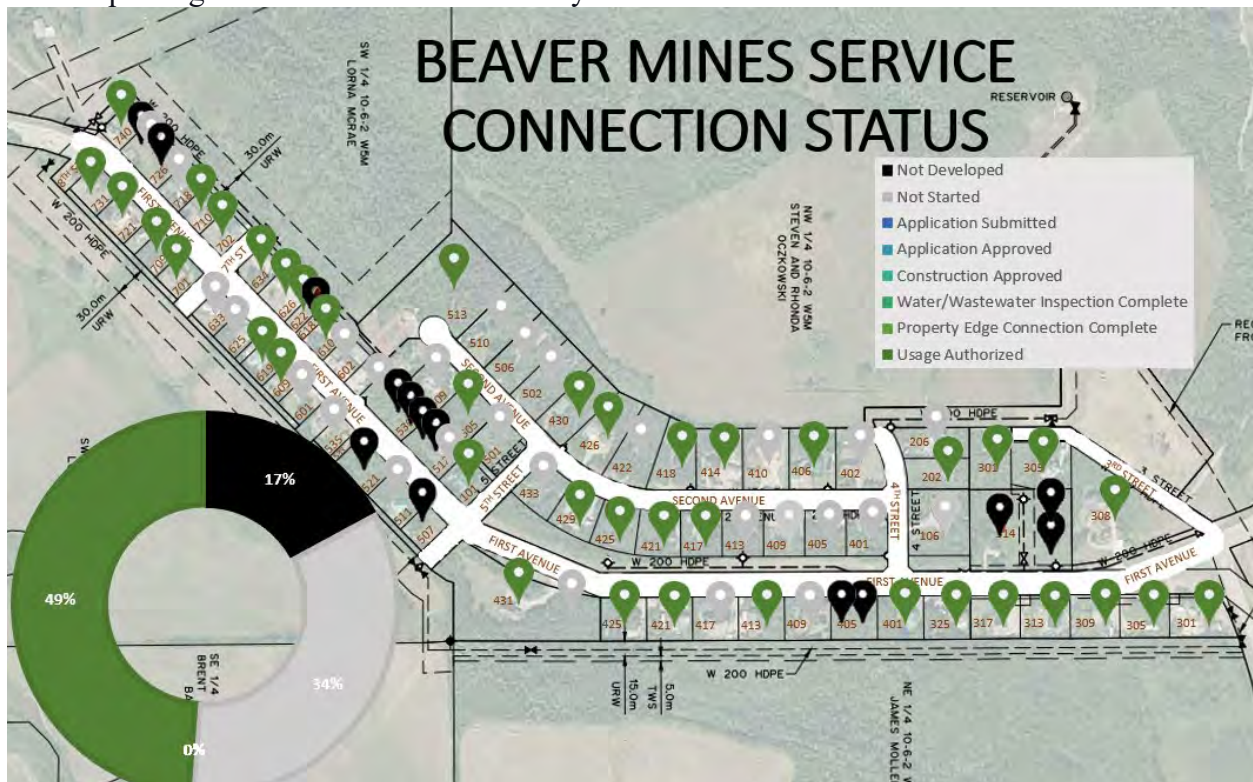
### Miscellaneous

- 10 yr. bridge study interim update kicked off Jan. 27<sup>th</sup>, 2025 with Roseke

## Operations Updates

### Beaver Mines Lot Servicing

- 40/68 developed applications received, 40 approved, 40 connected (59 %)
  - Fifteen (15) undeveloped fully serviced locations
- Hydrant flow testing in BM was completed by PCES and passed for fire flow. PCES is updating the Fire Underwriters Survey



### Standpipes

- Last known issue: Jan 10<sup>th</sup>, 2025 (global software cellular outage)

### General Water Operations Updates Mar. 5<sup>th</sup>, 2025:

- Drafting water crisis report + related full overhaul of Water Shortage Response Plan (WSRP)

- To be submitted to AEPA along with revised operations plan by end of month for expiring WTP approval
- Testing of major callout/dialout systems complete due to Feb 17<sup>th</sup> alarm issue
- Installing weight on reservoir low level trip to prevent false trip



- Reviewing system control philosophies
- Plant header upgrades awarded to DMT, materials 4-5 weeks away
- Pricing out Cowley reservoir hatch modifications to reduce safety hazard of opening fridge sized hatch on top of reservoir
- Bi-monthly meter reads complete
- Investigating cause of small amounts of CO in Lift Station generator room and dry well
- Lundbreck Lagoon aerator pump returned, fixed

- Filling in for monitoring Cowley water/sewer operations while their contractor is on holidays
- Hydrant on Wood Ave. not holding seals. Shut off/isolated until Spring, PCES notified
- Troubleshooting, cleaning and maintenance work on piping at raw water station complete to mitigate ongoing control issues
  - Scoping new main line check valves to replace failed check valves. **Completing under ORLLI contract**
- Significant operations related work planned for 2025:
  - Plant health check for main treatment trains, obsolete instrumentation replacement, WWTP protection system for cows/vehicles, sewer flushing in select BM areas, Utility Services Guidelines Update for Lundbreck and Rural Users, Reservoir inspections/cleaning (Lundbreck, Cowley), Lundbreck Lagoon sludge survey
- In discussions with Cowley regarding coverage for their water distribution system
  - Cowley contracting day to day directly with 3<sup>rd</sup> party
  - Revised contract sent to Cowley Jan 28<sup>th</sup>, awaiting response
- Private water line inspection complete South of Lundbreck. Initiating transfer of ownership for UROWS to MD

**General Energy Related Updates March 5<sup>th</sup>, 2025:**

- QUEST net zero accelerator
  - **Final community GHG inventory report submitted**
  - Economic opportunity analysis draft reviewed and **comments submitted for review**
  - Project team has expressed potential need for extension. Budget is on track
  - **Meeting Mar. 14<sup>th</sup> to plan 2<sup>nd</sup> consultation session**
- Clean Energy Improvement Program
  - Program being managed under contract going forward with Massif Energy
  - **21 ~~14~~ pre-qualifications received (6 MD, 15 Town). Six (6) applications fully submitted, three (3) for MD three (3) for Town**
  - **Advertising added to newspaper submission**
  - **2 deposit payments send out**
  - **Transitioning to online approval portal**

**Recommendation:**

That the Utilities & Infrastructure report for February 20<sup>th</sup> – March 5<sup>th</sup> is received as information.

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Prepared by: David Desabrais





Date: March 5<sup>th</sup>, 2025

Council Meeting

Date: March 11<sup>th</sup>, 2025



## Recommendation to Council

<b>TITLE: Capital - Watercourse Crossing Inspection and Remediation; Proposed Rehabilitation Projects Changes</b>			
<b>PREPARED BY: David Desabrais</b>		<b>DATE: March 5<sup>th</sup>, 2025</b>	
<b>DEPARTMENT: Utilities &amp; Infrastructure</b>			
 <b>Department Supervisor</b>	<b>25/03/05</b> <b>Date</b>	<b>ATTACHMENTS:</b> <b>1.</b>	
<b>APPROVALS:</b>			
 <b>Department Director</b>	<b>25/03/05</b> <b>Date</b>	 <b>CAO</b>	<b>2025/03/05</b> <b>Date</b>

**RECOMMENDATION:**

**That Council direct Administration to proceed with the 2025 preliminary capital work required to remediate and upgrade the crossing of Connelly Creek under Connelly Rd. for fish passage for \$25,000 with said funds coming from the Watercourse Crossing Remediation Grant.**

**BACKGROUND:**

- As per section 248(1) of the MGA, a council resolution is required for any capital work not included in the 2025 budget
- The MD has roughly \$600,000 in grant funds unallocated under the Watercourse Crossing Remediation (WCR) Program, anticipated to expire March 31<sup>st</sup>, 2027
- A \$900,500 top up application was submitted Dec. 5<sup>th</sup>, 2024 to fully fund the Dungavarn Creek (BF 7080) rehabilitation project (total estimated cost up to \$1,662,000)
  - Funder has recently indicated this will be denied. No new funds flowing from AB Government to WCR program for rehabilitation at this time
- Aside from the three (3) completed/underway projects under the WCR program, three (3) sites have moved passed the Qualified Aquatic Environmental Specialist (QAES) assessment stage (out of 175+ initially reviewed):
  - Dungarvan Creek (BF 7080): **\$1,473,000-\$1,662,000 estimated**
    - *QAES Assessment complete, moderately qualifies under WCR program*
    - *Preliminary engineering complete, recommended replacement is a bridge*
    - *#2 on 10 year capital plan, but Administration recommends waiting until condition worsens or STIP funding available to rehabilitate due to excessive cost and limited risk*
    - *Roughly \$1,000,000 in internal funds required to rehabilitate*
  - Tetley Creek (BF 74045): **\$1,010,000 estimated**
    - *QAES Assessment complete, natural barriers discovered downstream, disqualifying from WCR Program*

## Recommendation to Council

- *Not on 10 year plan*
- Connelly Creek (BF 1348): **\$1,035,000-\$1,129,000 estimated**
  - *QAES Assessment complete, moderately qualifies under WCR Program*
  - *Preliminary engineering required to finalize structure and confirm proposed estimate*
  - *#8 on 10 capital year plan*
  - *Up to \$530,000 in internal funds required to rehabilitate*

### **PROPOSED PATH FORWARD**

- Administration proposes cancelling the BF 7080 Dungarvan Creek replacement project and allocating WCR funds to complete preliminary engineering and geotechnical work for the Connelly Creek (BF 1348) rehabilitation project
  - *Only preliminary engineering and geotechnical would be awarded upon Council approval (\$25,000)*
  - *Total 2025 preliminary capital work (including design, permitting, land acquisition, etc.) will be dependent on final approved solution through WCR program and land requirements. Could range from \$45-75,000*
  - *Propose bringing back to Council for decision after preliminary engineering phase*



### **FINANCIAL IMPLICATIONS:**

**\$25,000** from Watercourse Remediation Grant

- MD will need to fund land acquisition/transfer work from Bridge Reserve if project moves forward to next phase
- If project moves forward to construction phase, MD would be funding a portion

# Recommendation to Council

G2a

<b>TITLE: C-FIN-538 Procurement Policy</b>			
<b>PREPARED BY: Jessica McClelland</b>		<b>DATE: March 4, 2025</b>	
<b>DEPARTMENT: Administration</b>			
		<b>ATTACHMENTS:</b>	
<b>Department Supervisor</b>	<b>Date</b>	<ul style="list-style-type: none"> <li>• Revised C-538 Procurement Policy</li> </ul>	
<b>APPROVALS:</b>			
			
<b>Department Director</b>	<b>Date</b>	<b>CAO</b>	<b>Date</b>

**RECOMMENDATION:**  
 That Council review and approve policy C-FIN-538, Procurement Policy.

**BACKGROUND:**  
 As part of reviewing policies, Council requested changes to C-FIN-538.

**FINANCIAL IMPLICATIONS:**  
 None at this time.



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**TITLE: Procurement Policy**

Approved by Council  
Revised by Council  
Revised by Council

Date: October 10, 2023  
Date: December 10, 2024  
Date: TBD

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***PURPOSE OF POLICY***

The purpose of this policy is to establish expenditure control guidelines by identifying processes for the efficient procurement and payment of goods and services for The Municipal District of Pincher Creek No. 9 (MD) in support of effective operations and in compliance with the Municipal Government Act (MGA), New West Partnership Trade Agreement (NWPTA), the Agreement on Canadian Free Trade Agreement (CFTA), and the Comprehensive Economic and Trade Agreement (CETA).

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**POLICY STATEMENT**

1. The Municipal District of Pincher Creek No. 9 (MD) is committed to the acquisition of goods and services at the best value while treating all vendors equitably through procurement processes that ensure integrity, transparency, accountability, efficiency and consistency.

**DEFINITIONS**

2. For the purpose of this policy, the following definitions shall apply:
  - a. “Buying Group” shall mean a group of two or more members that combines the purchasing requirements and activities of the members of the group into one joint procurement process.
  - b. “Conflict of Interest” shall mean a situation where the independence or impartiality of an employee’s decisions or actions are impaired or may be reasonably expected to be impaired because of outside employment, political, business or family interests.
  - c. “Construction” shall mean a construction, reconstruction, demolition, repair or renovation of a building, structure or other civil engineering or architectural work and includes site preparation, excavation, drilling, seismic investigation, the supply of products and materials, the supply of equipment and machinery if they are included in and incidental to the construction, and the installation and repair of fixtures of a building, structure or other civil engineering or architectural work, but does not include professional consulting services related to the construction contract unless they are included in the procurement
  - d. “Approving Officer” shall mean the individual that has the authority to sign contracts, purchase orders and invoices for payment. Typically, an Expenditure Officer will be

the Chief Administrative Officer, Department Manager, or Assistant Manager responsible for a department, who is accountable for the department's budget control and administration. An Approving Officer may also include an Employee responsible for specific budgetary line item(s), such as safety, information technology, etc.

- e. “Good” shall mean a good that is produced, manufactured, grown or obtained in, used for a commercial purpose in, or distributed from, the territory of a Party
- f. “Service” shall mean a service supplied or to be supplied, by a person of a Party

## GENERAL GUIDELINES

- 3. Approving Officers may make an expenditure that is included in the approved operating and capital budgets up to the financial limits established in this policy or as otherwise approved by resolution of Council.
- 4. A resolution of Council is required for all unbudgeted capital expenses greater than \$5,000
- 5. A resolution of Council is required for unbudgeted operating expenses if it is anticipated that the department as a whole will exceed budgetary constraint by greater than \$5,000.

## SIGNING AUTHORITY

- 6. Approving Officers are authorized to commit to all purchases that have been approved in the annual budget as follows:

<b>Employee Classification</b>	<b>Authority</b>
CAO and Director of Finance	Up to the maximum budget allocation
Managers and Assistant Managers	\$500,000
Supervisors and Specialists	\$50,000
All other designated employees	\$5,000

## TENDER VS REQUEST FOR PROPOSAL (RFP)

- 7. There are two different procurement models that are referred to in the New West Partnership Trade Agreement (NWPTA) and the Canadian Free Trade Agreement (CFTA):
  - a. Tender/Bid process
    - i. involves the MD's request for prices in respect of a very specific set of goods and services based on specific/restrictive specifications. The only differentiator is price.
    - ii. the contract cannot be negotiated in any way prior to its award
  - b. Request for Proposals process



- i. All aspects of the proposal are negotiable (price, scope of work, length of the term of the contract, etc.).

## ROLE OF COUNCIL IN THE PROCUREMENT PROCESS

8. Council shall approve items required to go through the procurement process as part of the municipal budget cycle and in line with applicable trade agreements and thresholds.
- ~~9. Council shall review tender or request for proposal results on equipment purchases that are budgeted to cost \$300,000 or greater.~~
9. Council shall separate themselves from the procurement process and have no further involvement in specific procurements.

## PROCUREMENT PROCESS

10. All eligible procurements shall be procured in alignment with applicable trade agreements and thresholds. This includes, but is not limited to, the timeframe a procurement must be posted for and the website location it is published to. These agreements includes but are not limited to the NWPTA, CFTA and CETA.

NWPTA	CFTA	CETA
\$75,000 or greater for goods or services	\$100,000 or greater for goods or services	\$200,000 or greater for goods or services
\$200,000 or greater for construction	\$250,000 or greater for construction	\$5,000,000 or greater for construction

11. When procurement is at or above the threshold, an open, transparent and competitive procurement process must be followed. This requires that tender documents:
  - a. clearly state the requirement of the procurement,
  - b. identify measurable criteria that will be used in the evaluation of bids (including the weighting of each criteria), and
  - c. provide relevant information to assist suppliers in completing and submitting their bids.
12. The municipal gravel hauling program will follow the NWPTA regardless of the number of individual contractors used for hauling
13. All tender notices must be posted to [www.purchasingconnection.ca](http://www.purchasingconnection.ca)
14. Exceptions to the above rules, include but are not limited to:
  - a) from philanthropic institutions, prison labour or persons with disabilities
  - b) from a public body or a non-profit organization

- c) of health services and social services
- d) where it can be demonstrated that only one supplier is able to meet the requirements of a procurement
- e) where an unforeseeable situation of urgency exists and the goods, services or construction could not be obtained in time by means of open procurement procedures
- f) when the acquisition is of a confidential or privileged nature and disclosure through an open bidding process could reasonably be expected to compromise government confidentiality
- g) legal services
- h) of goods intended for resale to the public

15. Canoe Procurement shall only be used for equipment purchases after an internal tender/request for proposal process has been completed.

### **EVALUTION OF PROPONENTS**

16. Administration will use an evaluation team, comprising of at least one Manger or above to evaluate proposals and make a decision. The evaluation shall be conducted objectively based on the proposal's content and utilizes an evaluation matrix.

~~17. Administration shall provide the tender results to Council for decision on equipment purchases that are budgeted to cost \$300,000 or greater. All other purchases shall be evaluated in accordance with Section 16.~~

### **CONTRACT AWARDING**

17. The MD reserves the right to award or not award all competitive procurement activities and projects. This includes but is not limited to, Requests for Proposals, Invitation to Tender, Request for Quotations, and other related procurement methods except RMA – Canoe Procurement and Government of Alberta Trade Programs.

18. If the contract awarding exceeds the approved operational or capital budget by \$5,000 or greater, Administration must request additional funds from Council before awarding the tender and contract.

### **RURAL MUNICIPALITIES OF ALBERTA (RMA) AND CANOE PROCUREMENT**

19. Though RMA, the MD is part of Canoe Procurement buying group. The advantage of a buying group include:
- d. Reduced procurement process costs – group members share in the costs of running procurement processes
  - e. Access to greater resources and expertise - group members can pool procurements resources and centralize procurement experience

- f. Potentially better pricing – the group can leverage its combining buying power offering suppliers greater purchase volumes.
20. The MD relies on Canoe Procurement to ensure legislative compliance, through only open, competitive procurements processes.
21. When a purchase is made through Canoe Procurement, the RFP process is done in advance on behalf of the entire membership, therefore the MD does not need to post again. However, the MD must post a notice of intention to procure using a cooperative buying group on Alberta's tendering system. The notice of intention shall be posted annually for a minimum of two weeks and read:
- “The MD intends to participate in one or more procurements conducted by Canoe Procurement Group of Canada between [insert one-year period including month/year]. For further information and access to the Canoe Procurement tender notices, please review [www.merx.com](http://www.merx.com). For further information about Canoe Procurement Group of Canada, please visit [www.canoeprocurement.ca](http://www.canoeprocurement.ca)”
22. Purchases made from Canoe Procurements are at the manufacturer's suggested retail price (MSRP) less the tendered percentage off.

## CONFLICT OF INTEREST

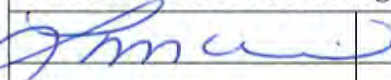
23. All employees involved in the procurement process must report an actual or perceived Conflict of Interest to their immediate supervisor and to human resources. The employee shall not continue to be involved in the procurement process.

**Rick Lemire**  
Reeve

**Roland Milligan**  
Chief Administrative Officer

# Recommendation to Council

G3a

<b>TITLE:</b> <b>The Range 5 – Cycling Event</b>		
<b>PREPARED BY:</b> Laura McKinnon		<b>DATE:</b> March 6, 2025
<b>DEPARTMENT:</b> Planning and Development		
 <b>Department Supervisor</b>	<b>Date</b> 2025/03/06	<b>ATTACHMENTS:</b> 1. The Range 5 Info Packet 2. The Frontier Map
<b>APPROVALS:</b>		
		<b>Roland Milligan</b>
		
		<b>2025/03/06</b>
<b>Department Director</b>	<b>Date</b>	<b>CAO</b>
		<b>Date</b>

**RECOMMENDATION:**

**That Council direct Administration with any comments or concerns and accept as information.**

**BACKGROUND:**

MD Administration received the following information from The Range Cycle Event on July 19, 2025. This event will be starting in the MD of Willow Creek, but has portions that extend into the MD of Pincher Creek. Correspondence from The Range organizer below. The MD has no policies or bylaws that preclude an event as such from happening.

*Hello -*

*This email is intended for Roland Milligan, I received your info from Willow Creek MD.*

*My name is Garth Stotts. I started a bike event 4 years ago (2021) that starts/finishes in Claresholm but primarily goes out to the west in Willow Creek MD.*

*This year we are planning to add an extra long distance called The Frontier that would enter Pincher Creek MD just to the south and west of the Porcupine Hills. I believe this area is referred to as Division 4 of the MD.*

*All the routes are located on this website here. [The Range Routes](#)  
The only one that goes into Pincher Creek MD is the Frontier route.*



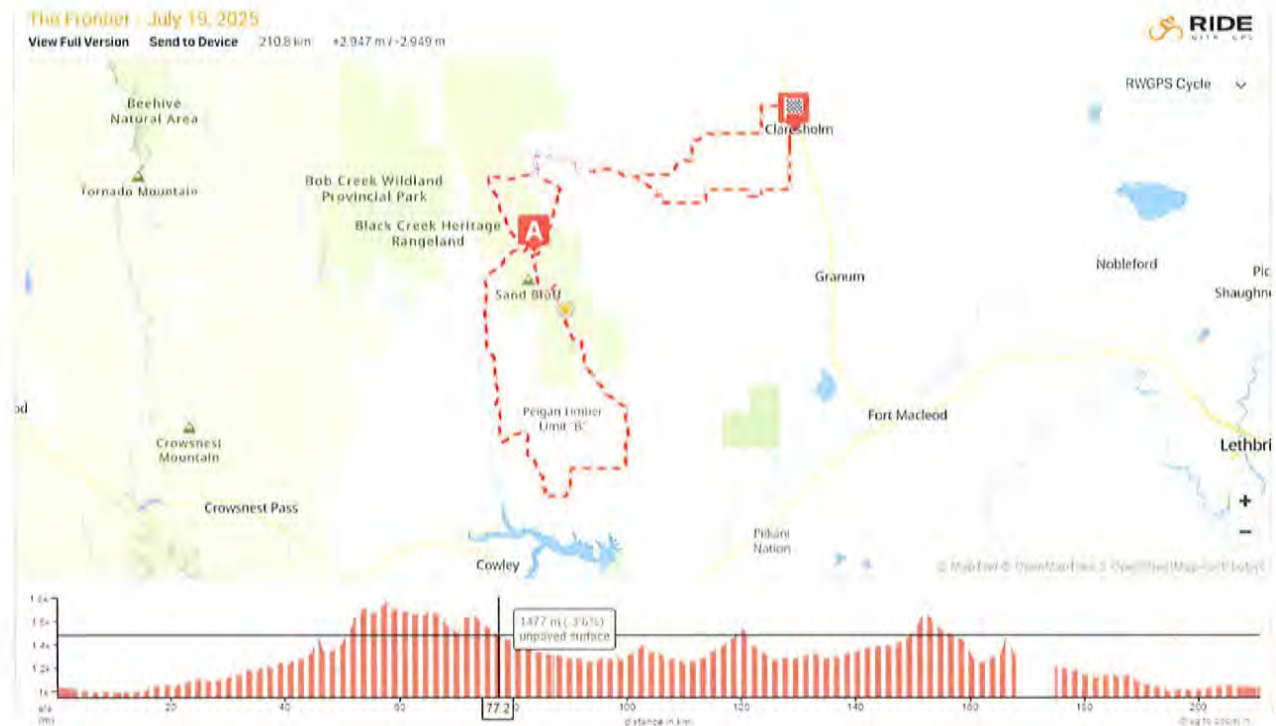
## Recommendation to Council

*We have worked very well with Willow Creek MD and Town of Claresholm promoting southern Alberta, grassland conservation and ranching (we actually ride thru 2 private ranchs as well with their approval). The ride has become quite popular selling out in days (300 registrants last 2 years).*

*We are seeking approval to use these roads on July 19, 2025 for the event. I am happy to attend a council meeting for questions and/or approval. There would be no impact to traffic as the riders are very spread out, and we have no special requests regarding the gravel roads.*

*I attached a draft info pack for this year with dates and schedule. (Attachment No. 1)*

### Frontier Map



### Attachment No. 2

#### **FINANCIAL IMPLICATIONS:**

None. The applicant is responsible for all costs regarding this proposal.



## **Welcome to THE RANGE 5!**

Our mission is simple: **To provide the quintessential gravel experience that inspires via the ride, the adventure, the scenery, and the connection with the community, riders and the environment.**

### **Key Points:**

To participate in the ride, a liability waiver needs to be signed. We collect this electronically with registration, but also on paper for our records.

**VERY IMPORTANT: You must have your bike plate for ID on course AND you must bring your personal ID to sign on at the start and get your timing chip. YOU WILL NOT BE ALLOWED ON COURSE WITHOUT AN ID THAT MATCHES YOUR NAME ON THE BIKE PLATE.**

The road traffic is very limited overall, and the ride should have minimal impact on roadways or traffic. The Town, MDs and RCMP are notified the week prior to the event. HWY permits are obtained.

An Emergency Response Plan is in place. Aaron Paramedical will be on course.

PLEASE READ INFO below and let me know if you have any questions.

Thanks,  
Garth Stotts  
403-826-8838  
garth@thegravelexperience.com



## **EVENT SCHEDULE:**

### **Friday July 18, 2025**

- Course Markings and signs are put on course
- Package Pick-up, Chip Pick-up and Sign-on
  - 530 pm – 8:00 pm / Claresholm Campground
- Volunteer Meeting: 8 pm / Campground

### **Saturday July 19, 2025**

- Package Pick-up, Chip Pick-up and Sign-on
  - 6 am – 7:30 am / Claresholm Campground
- The FRONTIER Riders start – 7 am
- The RANGE rider line up and debrief – 7:45 am / Campground
- Mass Neutral Start for THE RANGE – 8 am / Campground
- The RUSTLER rider line up and debrief – 8:00 am / Campground
- Mass Neutral Start for THE RUSTLER and THE RODEO – 8:15 am / Campground
- The Range Time Cut-off at Tom's Corner (Corner 12 see map) – 1 PM
- Final Course Sweep – 7 pm
- Beer Garden – Finish Line
- BBQ – Finish Line
- Course Marking taken down (during sweep) - 7 pm
- Awards announced at the Campground

## **TIMING AND SIGN ON:**

- Zone4 Chips are used for timing the overall and sector challenges.
- Chip Pick Up and Sign On – see above for Friday and Saturday times.
  - BRING YOUR ID! YOU MUST SHOW ID TO GO ON COURSE.
- Please Return your chip to a volunteer at the finish line
- Reminder: E-Bikes are not permitted in The Range, The Rustler, The Frontier



### **Course Routes and Marking:**

Please study the course routes. A GPX file will be emailed out for Bike Computers, if needed. The course is fully marked but you are responsible for navigating the course. We have marshals at all main sections, signs and flags. You should not go off course!

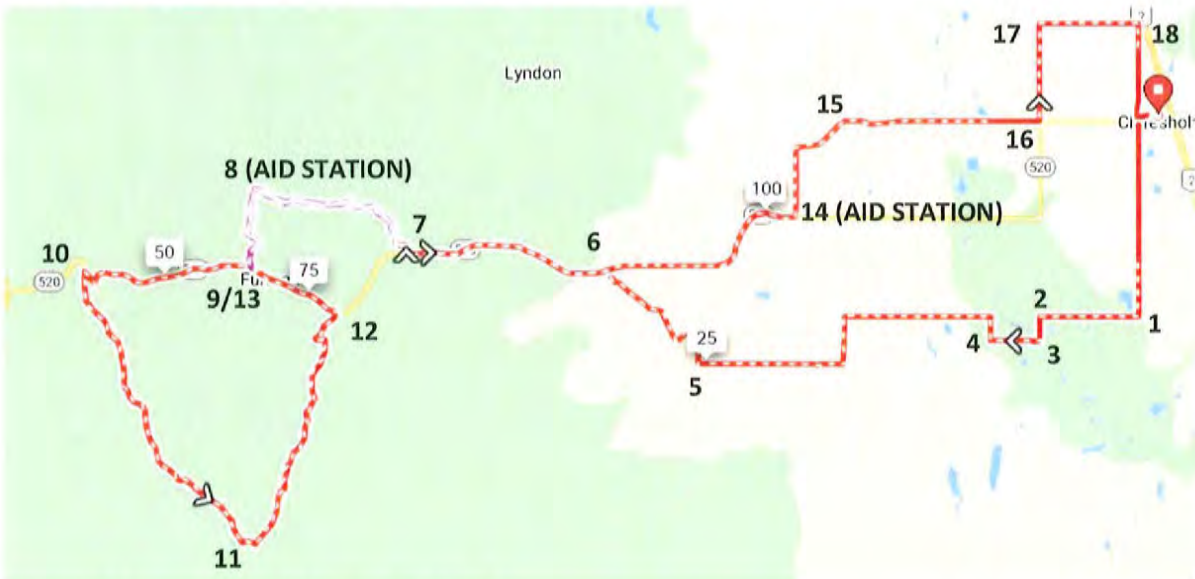
### **Partners and Sponsors:**

Please check out their websites and support them when possible.

- Willow Creek MD - Course and Public Roads
- Burke Creek Ranch - Course and Private Roads
- Davis Chevrolet Claresholm – Trucks, Finish Area and On Course Support
- Town of Claresholm - Campground, Start and Finish Area
- Skatepark Association – Beer Garden
- TransRockies



**THE RANGE ROUTE July 20, 2024 – 122 km / 1606 m (Pink is private land)**



<https://ridewithgps.com/routes/45140215>

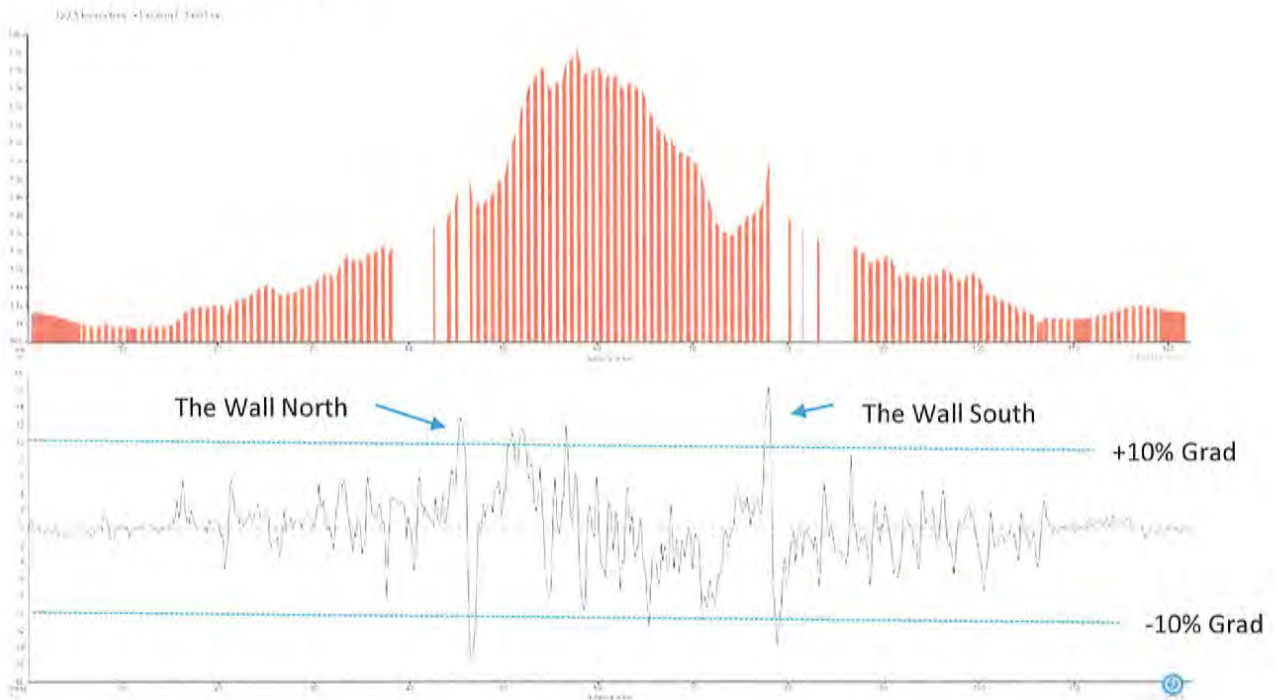




**Marshall Route Positions (See numbers on Map). Corners are listed below.**

**Please watch out for cars at all intersections!**

1. TWP Road 120 and RR 272 – Right Turn
2. TWP Road 120 and RR 274 – Left Turn **(YIELD TO CARS!)**
3. TWP ROAD 115A and RR 274 - Right Turn (after the Bridge)
4. TWP ROAD 115A and RR 275 – Right Turn at ‘T’
5. TWP ROAD 115 and RR 285 ie. BOTTOM SHARPLES ROAD – Right Turn
6. BOTTOM SHARPLES ROAD and HWY 520 – Left Turn **(YIELD TO CARS!)**
7. HWY 520 and Range Road 295 Right Turn - (Private Road start)
8. **Aid Station on Ranch** – Left Turn (private Road) – The Wall North Pass
9. Right Turn on HWY 520 **(YIELD TO CARS!)**
10. Left Turn on Skyline **(YIELD TO CARS!)**
11. East Sharples Road – Stay on main road
12. **Left Turn on HWY 520 from East Sharples Road – TIME CUT OFF – 1:00 PM (YIELD TO CARS!)**
13. Right Turn on Burke Creek Hill - The Wall South Pass
14. Turn Left off HWY 520 on RR 283 Old Schoolhouse **AID STATION**
15. Stay on TWP Rd 124
16. Turn Left on to Range Rd 274
17. Turn Right on to TWP Rd 130
18. Turn Right on to 8St W







## The Rustler Route – 86 KM

(TURNS AROUND on BURKE CREEK RANCH)



<https://ridewithgps.com/routes/45140300>

**Route Entry / Exit Points for HWY 520 (See numbers on Map) Corners are listed below. Please watch out for cars at all intersections!**

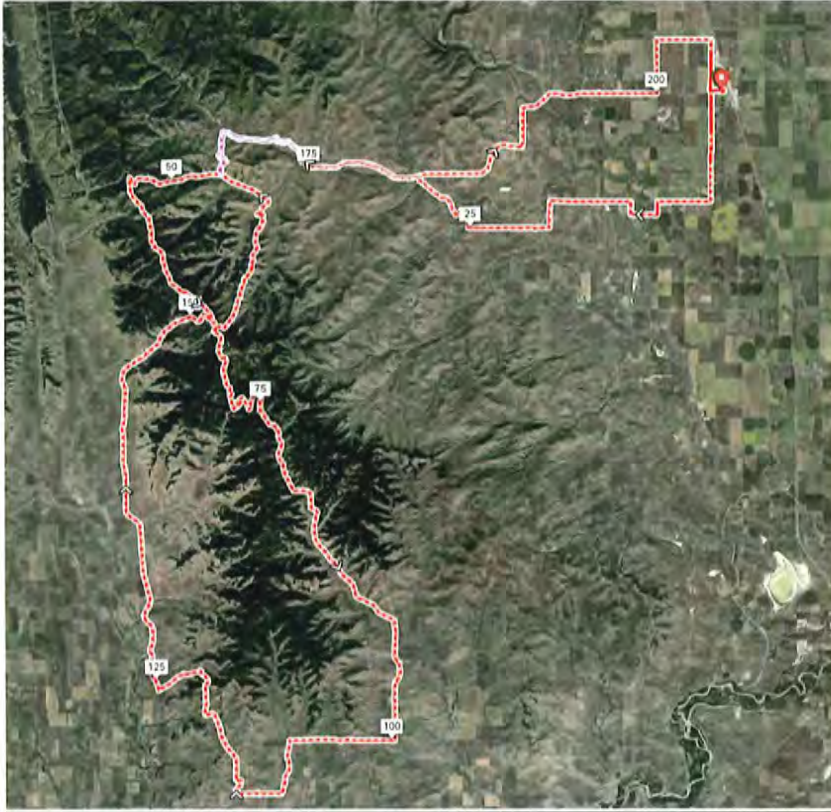
1. TWP Road 120 and RR 272 – Right Turn
2. TWP Road 120 and RR 274 – Left Turn **(YIELD TO CARS!)**
3. TWP ROAD 115A and RR 274 - Right Turn (after the Bridge)
4. TWP ROAD 115A and RR 275 – Right Turn at 'T'
5. TWP ROAD 115 and RR 285 ie. BOTTOM SHARPLES ROAD – Right Turn
6. BOTTOM SHARPLES ROAD and HWY 520 – Left Turn **(YIELD TO CARS!)**
7. HWY 520 and Range Road 295 Right Turn - (Private Road start)
8. **Aid Station on Ranch – Turn Around!**
9. ~~Right Turn on HWY 520 **(YIELD TO CARS!)**~~
10. ~~Left Turn on Skyline **(YIELD TO CARS!)**~~
11. East Sharples Road – Stay on main road
12. ~~Left Turn on HWY 520 from East Sharples Road – TIME CUT OFF – 1:00 PM **(YIELD TO CARS!)**~~
13. Right Turn on Burke Creek Hill – The Wall South Pass
14. Turn Left off HWY 520 on RR 283 –Old Schoolhouse **AID STATION**
15. Stay on TWP Rd 124
16. Turn Left on to Range Rd 274
17. Turn Right on to TWP Rd 130
18. Turn Right on to 8St W







## The Frontier Route – 211 KM



<https://ridewithgps.com/routes/48664430>

### Please watch out for cars at all intersections!

1. TWP Road 120 and RR 272 – Right Turn
2. TWP Road 120 and RR 274 – Left Turn **(YIELD TO CARS!)**
3. TWP ROAD 115A and RR 274 - Right Turn (after the Bridge)
4. TWP ROAD 115A and RR 275 – Right Turn at 'T'
5. TWP ROAD 115 and RR 285 ie. BOTTOM SHARPLES ROAD – Right Turn
6. BOTTOM SHARPLES ROAD and HWY 520 – Left Turn **(YIELD TO CARS!)**
7. HWY 520 and Range Road 295 Right Turn - (Private Road start)
8. **Aid Station on Ranch** – Left Turn (private Road) – The Wall North Pass
9. Right Turn on HWY 520 **(YIELD TO CARS!)**
10. Left Turn on Skyline **(YIELD TO CARS!)**
11. **ENTER THE FRONTIER LOOP TO THE SOUTH**
12. East Sharples Road – Stay on main road
13. Left Turn on HWY 520 from East Sharples Road – **(YIELD TO CARS!)**
14. Right Turn on Burke Creek Hill - The Wall South Pass
15. Turn Left off HWY 520 on RR 283 Old Schoolhouse **AID STATION**
16. Stay on TWP Rd 124
17. Turn Left on to Range Rd 274
18. Turn Right on to TWP Rd 130
19. Turn Right on to 8St W



Start and Finish are at the Centennial Campground in Claresholm, 4604 4 St W, Claresholm, AB

## The Range Start July 20, 2024

**745am: Riders will gather at the Claresholm campground for a mass start neutral roll-out**

**745 – 800am: Rider Debriefing**

The Range / Rustler rolls at 8 am. The Rodeo rolls at 815 am.

1. Riders roll out following a neutral car turning **right** on to 4<sup>th</sup> St W. (Marshalled Turn)
2. Neutral start continues turns **left** on to 46 Ave W (Marshalled)
3. Neutral start continues turns **left** on to 8<sup>th</sup> St W. (Marshalled)
4. Riders continue **straight past** 43 Ave W (HWY 520) (Marshalled)
5. The neutral car will **pull off at the Kin Trail**. Riders are now on course. Riders continue on 8<sup>th</sup> St W to Range Rd 272 until they **take a right** on TWP Rd 120 (Marshalled Corner 1)

★ Volunteer Marshalls will be placed at all intersections.

★ Peace Officer at HWY 520 and 8 St W







## The Range Finish July 20, 2024:

Riders will be coming in from 12 am until 400 pm. All riders are to be off course at 4 pm.

1. Riders come into town on 8<sup>th</sup> St W.
2. Riders will take a left on to 46 Ave W.
3. Riders continue onto the GRAVEL Alley that loops the campground and Centennial Park
4. Finish line in the middle of the green space
5. **NOTE FINISH TIME WILL BE AT RANGE FLAG PRIOR TO LEFT TURN**

The Rider will be in full view as they loop the park. Ample green space for tents and supporters to cheer them on as they finish the last few 100 m. There is a clean straight-away for fast finishers.

The finish is ideal and ensures that riders can rest and congregate in a safe spot and be cheered by supports as they come in. The finish line AID Station will have nutrition to help revive the riders.







**Finish Line Area**





**AID STATIONS:**

The Range – 3 Aid Stations - KM 45-KM80-KM100

The Rustler – 2 Aid Stations at KM 49/68

The Rodeo – 1 Aid Station KM 40

Aid Station on the Ranch is open 930 – 1 pm

Aid station at Schoolhouse is open 1030 - 4 pm.

Aid Stations have water, coke, chips and fruitsource bars. Please bring your favorite hydration mix with you.

Hydration Packs – **STONGLY RECOMMEND**. These are essential on warm days. They will not slow you down, many winners have worn hydration packs.

WATER has to hauled out to the aid stations. Please use it to drink and not wash yourself off.

FRESH WATER SPRING – There is a Fresh water spring on the Ranch at KM 43. It is drinkable and great place to cool down.

AID STATIONS will have communication to ERP Coordinator and 1<sup>st</sup> aid kits, if needed.

Discards bottles or wrappers in bins. **PLEASE NO LITTERING!**



## RIDE RULES:

- HELMETS REQUIRED
- NO LITTERING
- NO EARBUDS (not safe if you can't hear cars/trucks behind you)
- NO PERSONAL SAG BIKE SUPPORT OR VEHICLES
- OBEY ALL TRAFFIC SIGNS AND LAWS
- RIDE ON THE RIGHT SIDE OF THE ROAD
- DO NOT RIDE LEFT OF CENTER
- FOLLOW COURSE MARKERS
- NO PARKING ON HWY520, TOWN RDS or BLOCKING FIELD ENTRANCES
- YIELD TO HORSES/COWS/WILDLIFE
- HARD WAIVERS AND BIKE PLATE REQUIRED
- Aero-bars are permitted, but I would not recommend them
  - The Range is not long or flat enough for them to make a big difference
  - Courtesy Rule: Please don't ride in a pack or in a pace line.
- EBIKES: Not permitted on Range and Rustler. E-bikes are allowed on The Rodeo





### COURSE MARKING:

Course is marked with Signs, Flags and Marshalls.

- The Range riders need to follow the signs all the way around the course
- A turnaround sign will be placed for the Rustler Out n Back (Ranch Aid Station)
- The RODEO turn off is marked with a red sign

### PERSONAL SUPPORT VEHICLES:

Please don't use Personal Vehicles following riders. Support your riders by meeting them on course.

### PARKING:

Please Park at the Willow Creek Composite High School and the Elementary School. Do NOT Park at the daycare.

### FAQs

#### WHAT IF I CAN'T CONTINUE?

Please go and stay at an AID station or a Marshall Cornered. Let the volunteer know. If you need a car ride back, we will try to have a truck sweeper will take you back to the starting area when they are free. **NOTE: TRUCKS need to be kept open for medical emergencies.**

#### IS THERE CELL SERVICE ON COURSE?

There is no cell service for most of the course. Volunteers are using commercial radios. If you need your emergency contact, an AID Station or Sweeper will be able to contact the ERP Coordinator to phone your contact.

#### IS THERE ROUTE ACCESS (WITH VEHICLES) FOR SUPPORT, FRIENDS, FAMILY?



**Please use gravel HWY 520.** HWY 520 is a wide road and the main corridor from East to West. We want to keep traffic low on most of the course which avoids HWY 520 as much as possible.

### **ARE THERE NO VEHICLE ACCESS ROADS?**

There are several spots on course where vehicles can't and/or should not go.

- **BURKE CREEK RANCH ROAD: NO VEHICLES ALLOWED. Bikes only.**  
**Private road.**
- **EAST SHARPLES ROAD: Very narrow, steep road**
  - Please stay off for safety of riders
- **SKYLINE ROAD: Riders will be coming thru on this road**
  - Please stay off for safety of riders

### **ARE THERE TRUCK and BIKE SWEEPERS?**


Truck sweepers will be used on the course. They have radios, please let them know if you need help.

If you are not able to continue, please go to an aid station or a Marshall. The sweeper will transport you back to the start as soon as possible.

Riders CAN NOT ride with a truck sweeper and rejoin the course.

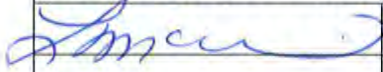


# Recommendation to Council


<b>TITLE:</b> Notice of Subdivision Application – 2025-0-006 Cardston County – Lot 1, Block 1, Plan 1811670 and NE 12-5-28 W4	
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<b>PREPARED BY:</b> Laura McKinnon	<b>DATE:</b> March 6, 2025
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**DEPARTMENT:** Planning and Development

 <b>Department Supervisor</b>	2025/03/06 <b>Date</b>	<b>ATTACHMENTS:</b> 1. Notice of Application for Subdivision 2025-0-006
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**APPROVALS:**

			2025/03/06
<b>Department Director</b>	<b>Date</b>	<b>CAO</b>	<b>Date</b>

**RECOMMENDATION:**

**That Council receive the Notice of Application for Subdivision 2025-0-006 as information and direct Administration if comments are required.**

**BACKGROUND:**

Per Bylaw 1308-19 Intermunicipal Development Plan with the MD of Pincher Creek Cardston County, Section 4.2 Referral Policies, Oldman River Regional Services Commission has circulated the Notice of Application for Subdivision 2025-0-006 (*Attachment No. 1*) because it is within the plan area.

Council is not required to provide comment on the Notice of Application for Subdivision 2025-0-006, however are welcome too.

**FINANCIAL IMPLICATIONS:**

None

# Recommendation to Council

## Map Showing Location

## Location of Subdivision







OLDMAN RIVER REGIONAL SERVICES COMMISSION

3105 - 16<sup>th</sup> Avenue North  
Lethbridge, Alberta T1H 5E8

Phone: (403) 329-1344  
Toll-Free: 1-844-279-8760  
E-mail: subdivision@orrsc.com  
Website: www.orrsc.com

## NOTICE OF APPLICATION FOR SUBDIVISION OF LAND

**DATE:** February 21, 2025

**Date of Receipt:** January 16, 2025


**Date of Completeness:** January 28, 2025

**TO: Landowners:** Hannelore Hammoser, Hengerer Farms Ltd.

**Agent or Surveyor:** David J. Amantea, A.L.S.

**Referral Agencies:** Cardston County, MD of Pincher Creek No. 9, G. Scott - ORRSC, Westwind School Division No. 74, AltaLink, FortisAlberta, TELUS, ATCO Gas, ATCO Pipelines, AB Health Services - South Zone, United Irrigation District (UID), AB Environment & Protected Areas - J. Cayford, Area Wildlife Biologist, AER, Canada Post

**Adjacent Landowners:** Kasko Cattle Co. Ltd., Perry Hunsperger, Sawyer Hunsperger

**Planning Advisor:** Mike Burla 

The Oldman River Regional Services Commission (ORRSC) is in receipt of the following subdivision application which is being processed on behalf of the Cardston County. This letter serves as the formal notice that the submitted application has been determined to be complete for the purpose of processing.

In accordance with the Matters Related to Subdivision and Development Regulation, if you wish to make comments respecting the proposed subdivision, please submit them via email or mail no later than **March 12, 2025**. (Please quote our File No. **2025-0-006** in any correspondence with this office).

**File No:** 2025-0-006

**Legal Description:** Lot 1, Block 1, Plan 1811670 and NE1/4 12-5-28-W4M

**Municipality:** Cardston County

**Land Designation:** Agricultural - AG  
(Zoning)

**Existing Use:** Agricultural and Country Residential

**Proposed Use:** Agricultural and Country Residential

**# of Lots Created:** 1 (Boundary Line Adjustment)

**Certificate of Title:** 181 191 079, 191 044 751 +2

**Proposal:** To reduce an existing 11.76 acre parcel to create a smaller 2.16 acre title.

**Meeting Date:** *Note that meeting dates are subject to change. It is advisable to contact Cardston County to confirm the meeting date and time. If you wish to make a presentation at the subdivision authority, you are solely responsible to notify the Cardston County Municipal Administrator.*

**Planner's Preliminary Comments:**

This proposal would reduce an existing 11.76 acre parcel to create a smaller 2.16 acre title. The 9.60 acre residual parcel would be consolidated back into the quarter section creating a larger 157.84 acre agricultural title. The existing 11.76 acre parcel was originally created in 2018 with Subdivision File 2018-0-067.

As this proposal complies with the Cardston County subdivision policies, a recommendation for approval is warranted subject to pertinent planning related conditions. Consideration should be given by the applicant and/or the Subdivision Authority to slightly enlarge the proposed 2.16 acre parcel to approximately 3.0 acres in size.

The Subdivision Authority is requested to consider the following when rendering a decision on this application:

- 1) Payment of any outstanding property taxes to Cardston County.
- 2) Provision of a development agreement with Cardston County.
- 3) Pertinent comments and information provided by adjacent landowners and referral agencies and the MD of Pincher Creek
- 4) Consideration of a parcel size enlargement to approximately 3.0 acres in size or a parcel size waiver to accommodate the proposed 2.16 acres.

**RESERVE:**

Municipal Reserve is not applicable as this is the first subdivision from a ¼ section.

**If you wish to make a presentation at the subdivision authority meeting, please notify the Cardston County Municipal Administrator as soon as possible.**

**Submissions received become part of the subdivision file which is available to the applicant and will be considered by the subdivision authority at a public meeting.**



**APPLICATION FOR SUBDIVISION  
RURAL MUNICIPALITY**

FOR OFFICE USE ONLY	
Zoning (as classified under the Land Use Bylaw):	
Fee Submitted: <u>\$1100.00</u>	File No: <u>2025-0-006</u>
APPLICATION SUBMISSION	
Date of Receipt: <u>January 16, 2025</u>	Received By: <u>[Signature]</u>
Date Deemed Complete: <u>January 28, 2025</u>	Accepted By: <u>[Signature]</u>

**1. CONTACT INFORMATION**

Name of Registered Owner of Land to be Subdivided: Hannelore Hammoser / Hengerer Farms Ltd.  
 Mailing Address: [Redacted] City/Town: Glenwood  
 Postal Code: [Redacted] Telephone: [Redacted] Cell: \_\_\_\_\_  
 Email: [Redacted] Preferred Method of Correspondence: Email  Mail

Name of Agent (Person Authorized to act on behalf of Registered Owner): \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_ City/Town: \_\_\_\_\_  
 Postal Code: \_\_\_\_\_ Telephone: \_\_\_\_\_ Cell: \_\_\_\_\_  
 Email: \_\_\_\_\_ Preferred Method of Correspondence: Email  Mail

Name of Surveyor: David J. Amantea, ALS, P.Eng. brown okamura & associates ltd.  
 Mailing Address: 2830 - 12 Avenue North City/Town: Lethbridge  
 Postal Code: T1H 5J9 Telephone: 403-329-4688 ex 129 Cell: \_\_\_\_\_  
 Email: david@bokamura.com Preferred Method of Correspondence: Email  Mail

**2. LEGAL DESCRIPTION OF LAND TO BE SUBDIVIDED**

- a. All/part of the NE ¼ Section 12 Township 5 Range 28 West of 4 Meridian (e.g. SE¼ 36-1-36-W4M)
- b. Being all/part of: Lot/Unit 1 Block 1 Plan 1811670
- c. Total area of existing parcel of land (to be subdivided) is: 64.7 hectares 160 acres
- d. Total number of lots to be created: 1 Size of Lot(s): 0.875 ha (2.16 ac)
- e. Rural Address (if applicable): 51080 Rge Rd 280
- f. Certificate of Title No.(s): 181 191 079 & 191 044 754 +2

**3. LOCATION OF LAND TO BE SUBDIVIDED**

- a. The land is located in the municipality of Cardston County
- b. Is the land situated immediately adjacent to the municipal boundary? Yes  No   
 If "yes", the adjoining municipality is \_\_\_\_\_
- c. Is the land situated within 1.6 kilometres (1 mile) of the right-of-way of a highway? Yes  No   
 If "yes" the highway is No. \_\_\_\_\_
- d. Does the proposed parcel contain or is it bounded by a river, stream, lake or other body of water, or by a canal or drainage ditch? Yes  No   
 If "yes", state its name \_\_\_\_\_
- e. Is the proposed parcel within 1.5 kilometres (0.93 miles) of a sour gas facility? Unknown  Yes  No



**3. LOCATION OF LAND TO BE SUBDIVIDED (Continued)**

f. Is the land subject of the application, the subject of a licence, permit, approval, or other authorization granted by any of the provincial agencies or regulatory bodies listed below?

Yes  No

Provincial agencies and regulatory bodies:

- Alberta Energy and Utilities Board (AEUB)
- Alberta Energy Regulator (AER)
- Alberta Utilities Commission (AUC)
- Energy Resources Conservation Board (ERCB)
- Natural Resources Conservation Board (NRCB)

If 'yes', please describe: \_\_\_\_\_

g. Is the land subject of the application, the subject of a licence, permit, approval, or other authorization granted by the Minister or granted under any Act the Minister is responsible for under section 16 of the Government Organization Act\*?

Yes  No

\*The Minister is responsible for the following Acts:

- Alberta Environmental Protection Act
- Alberta Land Stewardship Act
- Alberta Public Lands Act
- Alberta Surveys Act
- Alberta Water Act

If 'yes', please describe: \_\_\_\_\_

**4. EXISTING AND PROPOSED USE OF LAND TO BE SUBDIVIDED**

Describe:

- a. Existing use of the land AG & Yard
- b. Proposed use of the land Reducing yard site

**5. PHYSICAL CHARACTERISTICS OF LAND TO BE SUBDIVIDED**

- a. Describe the nature of the topography of the land (flat, rolling, steep, mixed) Mixed
- b. Describe the nature of the vegetation and water on the land (brush, shrubs, tree stands, woodlots, sloughs, creeks, etc.) AG & Grass
- c. Describe the kind of soil on the land (sandy, loam, clay, etc.) Unknown

d. Is this a vacant parcel (*void of any buildings or structures*)? Yes  No

If "no", describe all buildings and any structures on the land. Indicate whether any are to be demolished or moved.

- e. Is there a Confined Feeding Operation on the land or within 1.6 kilometres (1 mile) of the land being subdivided? Yes  No
- f. Are there any active oil or gas wells or pipelines on the land? Yes  No
- g. Are there any abandoned oil or gas wells or pipelines on the land? Yes  No

**6. WATER SERVICES**

a. Describe existing source of potable water:

Onsite Well  Offsite Well  Cistern  Water Source for Cistern: \_\_\_\_\_

Other  CARDSTON COUNTY/Hill Spring

b. Describe proposed source of potable water

Onsite Well  Offsite Well  Cistern  Water Source for Cistern: \_\_\_\_\_

Other  NO CHANGE

**7. SEWER SERVICES**

a. Describe existing sewage disposal:

Sub-surface treatment field  Treatment Mound  Open Discharge  Lagoon  Holding Tank

Other  \_\_\_\_\_ Year Installed \_\_\_\_\_

b. Describe proposed sewage disposal:

Sub-surface treatment field  Treatment Mound  Open Discharge  Lagoon  Holding Tank

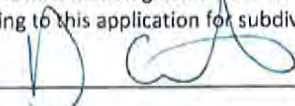
Other  \_\_\_\_\_ Year Installed \_\_\_\_\_

**8. REGISTERED OWNER OR PERSON ACTING ON THEIR BEHALF**

I, David J. Amantea, ALS, P.Eng. hereby certify that

I am the registered owner  I am authorized to act on behalf of the register owner

and that the information given on this form is full and complete and is, to the best of my knowledge, a true statement of the facts relating to this application for subdivision approval.

Signed: 

Date: Nov 26/24

**9. RIGHT OF ENTRY**

I, Joachim Hengeman do  / do not  (please check one) authorize representatives of the Oldman River Regional Service Commission or the municipality to enter my land for the purpose of conducting a site inspection and evaluation in connection with my application for subdivision. This right is granted pursuant to Section 653(2) of the Municipal Government Act

  
Signature of Registered Owner(s)



LAND TITLE CERTIFICATE

S  
 LINC                      SHORT LEGAL                      TITLE NUMBER  
 0038 040 317            1811670;1;1                      181 191 079

LEGAL DESCRIPTION  
 PLAN 1811670  
 BLOCK 1  
 LOT 1  
 EXCEPTING THEREOUT ALL MINES AND MINERALS  
 AREA: 4.76 HECTARES (11.76 ACRES) MORE OR LESS

ESTATE: FEE SIMPLE  
 ATS REFERENCE: 4;28;5;12;NE

MUNICIPALITY: CARDSTON COUNTY

REFERENCE NUMBER: 151 041 096

-----

REGISTERED OWNER(S)				
REGISTRATION	DATE (DMY)	DOCUMENT TYPE	VALUE	CONSIDERATION
181 191 079	10/09/2018	SUBDIVISION PLAN		

-----

OWNERS

HANNELORE HAMMOSER  
 [REDACTED]  
 [REDACTED]  
 [REDACTED]

-----

ENCUMBRANCES, LIENS & INTERESTS

REGISTRATION NUMBER	DATE (D/M/Y)	PARTICULARS
113FD	26/11/1941	RESTRICTIVE COVENANT
114FD	26/11/1941	CAVEAT RE : EASEMENT CAVEATOR - BOARD OF TRUSTEES OF THE UNITED IRRIGATION DISTRICT.
4053KU	05/01/1971	IRRIGATION ORDER/NOTICE THIS PROPERTY IS INCLUDED IN THE UNITED

( CONTINUED )

-----  
ENCUMBRANCES, LIENS & INTERESTS

PAGE 2  
# 181 191 079

REGISTRATION  
NUMBER      DATE (D/M/Y)      PARTICULARS

-----  
IRRIGATION DISTRICT

901 140 310    01/06/1990 UTILITY RIGHT OF WAY  
GRANTEE - CANADIAN WESTERN NATURAL GAS COMPANY  
LIMITED.

181 162 292    03/08/2018 CAVEAT  
RE : EASEMENT  
CAVEATOR - THE UNITED IRRIGATION DISTRICT.  
BOX 1006, GLENWOOD  
ALBERTA T0K2R0  
AGENT - DUANE NELSON  
IRRIGATION WORKS EASEMENT

TOTAL INSTRUMENTS: 005

-----  
PENDING REGISTRATION QUEUE

DRR NUMBER	RECEIVED DATE (D/M/Y)	SUBMITTER	LAND ID
F00DENH	18/10/2024	THOMAS M. MATKIN PROF. CORP. 403-653-3391 CUSTOMER FILE NUMBER: G18828	
001		TRANSFER OF LAND	1811670;1;1
002		MORTGAGE	1811670;1;1

TOTAL PENDING REGISTRATIONS: 001

DISCLAIMER: THE DOCUMENT INFORMATION REFLECTED IN THE PENDING  
REGISTRATION QUEUE HAS NOT BEEN VERIFIED BY LAND TITLES AND MAY BE  
SUBJECT TO CHANGE UPON REVIEW AND REGISTRATION.

THE REGISTRAR OF TITLES CERTIFIES THIS TO BE AN  
ACCURATE REPRODUCTION OF THE CERTIFICATE OF  
TITLE REPRESENTED HEREIN THIS 1 DAY OF  
NOVEMBER, 2024 AT 09:20 A.M.

ORDER NUMBER: 52047191

CUSTOMER FILE NUMBER:



\*END OF CERTIFICATE\*

( CONTINUED )

THIS ELECTRONICALLY TRANSMITTED LAND TITLES PRODUCT IS INTENDED FOR THE SOLE USE OF THE ORIGINAL PURCHASER, AND NONE OTHER, SUBJECT TO WHAT IS SET OUT IN THE PARAGRAPH BELOW.

THE ABOVE PROVISIONS DO NOT PROHIBIT THE ORIGINAL PURCHASER FROM INCLUDING THIS UNMODIFIED PRODUCT IN ANY REPORT, OPINION, APPRAISAL OR OTHER ADVICE PREPARED BY THE ORIGINAL PURCHASER AS PART OF THE ORIGINAL PURCHASER APPLYING PROFESSIONAL, CONSULTING OR TECHNICAL EXPERTISE FOR THE BENEFIT OF CLIENT(S).





LAND TITLE CERTIFICATE

S  
LINC                                      SHORT LEGAL                                      TITLE NUMBER  
0038 040 309                              4;28;5;12;NE                                      191 044 754 +2

LEGAL DESCRIPTION

MERIDIAN 4    RANGE 28    TOWNSHIP 5  
SECTION 12  
QUARTER NORTH EAST  
CONTAINING 64.7 HECTARES ( 160 ACRES) MORE OR LESS  
EXCEPTING THEREOUT:

	HECTARES	(ACRES)	MORE OR LESS
A) PLAN 1811670    SUBDIVISION	4.76	11.76	

EXCEPTING THEREOUT ALL MINES AND MINERALS  
AND THE RIGHT TO WORK THE SAME

ESTATE: FEE SIMPLE

MUNICIPALITY: CARDSTON COUNTY

REFERENCE NUMBER: 181 191 079 +1

REGISTERED OWNER(S)				
REGISTRATION	DATE (DMY)	DOCUMENT TYPE	VALUE	CONSIDERATION
191 044 754	05/03/2019	TRANSFER OF LAND		SEE INSTRUMENT

OWNERS

HENGERER FARMS LTD.  
[REDACTED]  
[REDACTED]  
[REDACTED]

ENCUMBRANCES, LIENS & INTERESTS

REGISTRATION NUMBER	DATE (D/M/Y)	PARTICULARS
113FD .	26/11/1941	RESTRICTIVE COVENANT
114FD .	26/11/1941	CAVEAT RE : EASEMENT

( CONTINUED )

-----  
ENCUMBRANCES, LIENS & INTERESTS

PAGE 2  
# 191 044 754 +2

REGISTRATION  
NUMBER      DATE (D/M/Y)      PARTICULARS

-----

CAVEATOR - BOARD OF TRUSTEES OF THE UNITED  
IRRIGATION DISTRICT.

4053KU .      05/01/1971 IRRIGATION ORDER/NOTICE  
THIS PROPERTY IS INCLUDED IN THE UNITED  
IRRIGATION DISTRICT

901 140 310    01/06/1990 UTILITY RIGHT OF WAY  
GRANTEE - CANADIAN WESTERN NATURAL GAS COMPANY  
LIMITED.

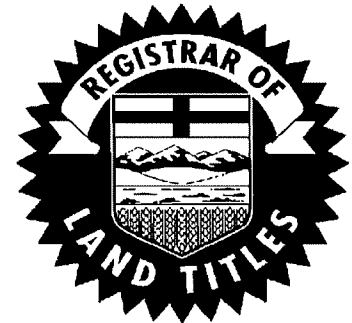
181 162 292    03/08/2018 CAVEAT  
RE : EASEMENT  
CAVEATOR - THE UNITED IRRIGATION DISTRICT.  
BOX 1006, GLENWOOD  
ALBERTA T0K2R0  
AGENT - DUANE NELSON  
IRRIGATION WORKS EASEMENT

TOTAL INSTRUMENTS: 005

THE REGISTRAR OF TITLES CERTIFIES THIS TO BE AN  
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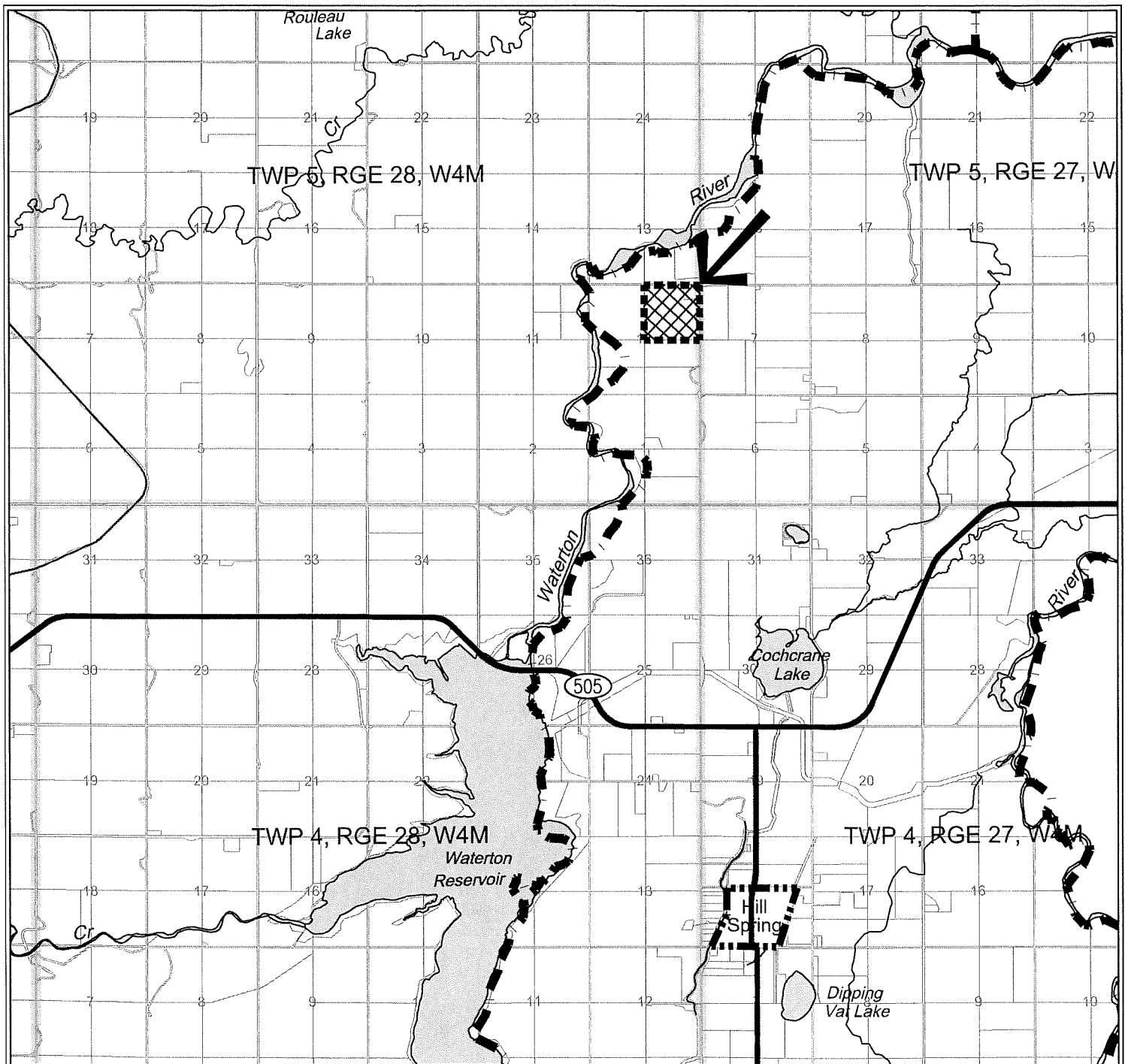
CUSTOMER FILE NUMBER:



\*END OF CERTIFICATE\*

-----  
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OR TECHNICAL EXPERTISE FOR THE BENEFIT OF CLIENT(S).

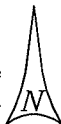


**SUBDIVISION LOCATION SKETCH**

**LOT 1, BLOCK 1, PLAN 1811670  
 WITHIN NE 1/4 SEC 12, TWP 5, RGE 28, W 4 M**

**MUNICIPALITY: CARDSTON COUNTY  
 DATE: JANUARY 21, 2025  
 FILE NO: 2025-0-006**

MAP PREPARED BY:  
 OLDMAN RIVER REGIONAL SERVICES COMMISSION  
 3105 16th AVENUE NORTH, LETHBRIDGE, AB T1V 1S5  
 \*NOT RESPONSIBLE FOR ERRORS OR OMISSIONS\*



0914278

0914275 14

NW12 5-28-4

NW7 5-27-4

SW12

SW7

SE12 5-28-4

PROPOSED  
LOT 2,  
BLOCK 1  
0.88±ha  
(2.16±ac)

REMAINDER OF  
LOT 1,  
BLOCK 1  
3.88±ha  
(9.60±ac)

TO BE  
CONSOLIDATED

NE12 5-28-4  
59.94±ha  
(148.24±ac)

### SUBDIVISION SKETCH

SEE TENTATIVE PLAN OF SUBDIVISION BY BROWN OKAMURA & ASSOCIATES LTD. FILE NO. 24-16601T  
LOT 1, BLOCK 1, PLAN 1811670  
WITHIN NE 1/4 SEC 12, TWP 5, RGE 28, W 4 M

MUNICIPALITY: CARDSTON COUNTY  
DATE: JANUARY 21, 2025  
FILE No: 2025-0-006

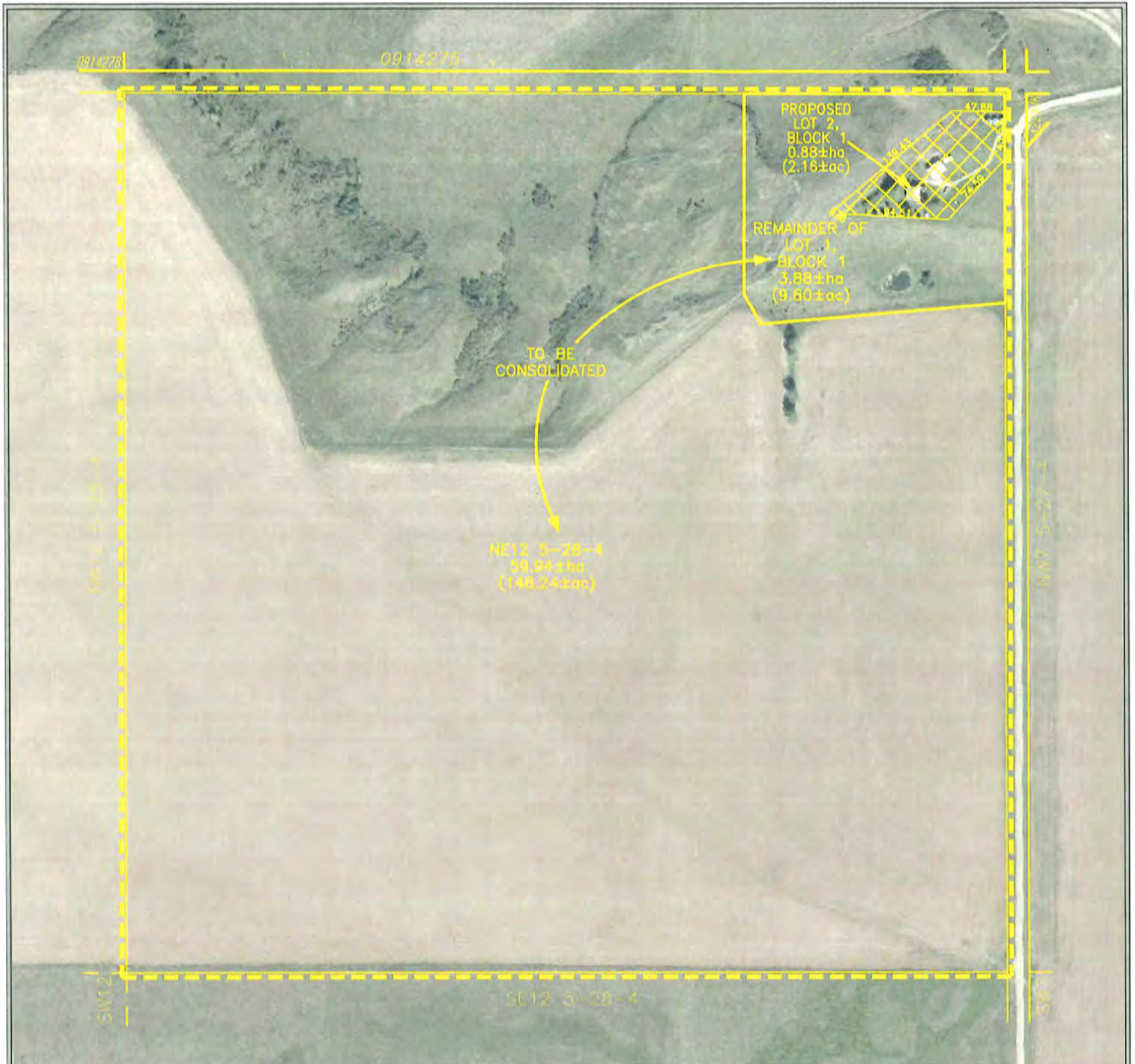


OLDMAN RIVER REGIONAL SERVICES COMMISSION

0 100 200 300 400 Metres







**SUBDIVISION SKETCH**

SEE TENTATIVE PLAN OF SUBDIVISION BY BROWN OKAMURA & ASSOCIATES LTD. FILE NO. 24-16601T

LOT 1, BLOCK 1, PLAN 1811670

WITHIN NE 1/4 SEC 12, TWP 5, RGE 28, W 4 M

MUNICIPALITY: CARDSTON COUNTY

DATE: JANUARY 21, 2025

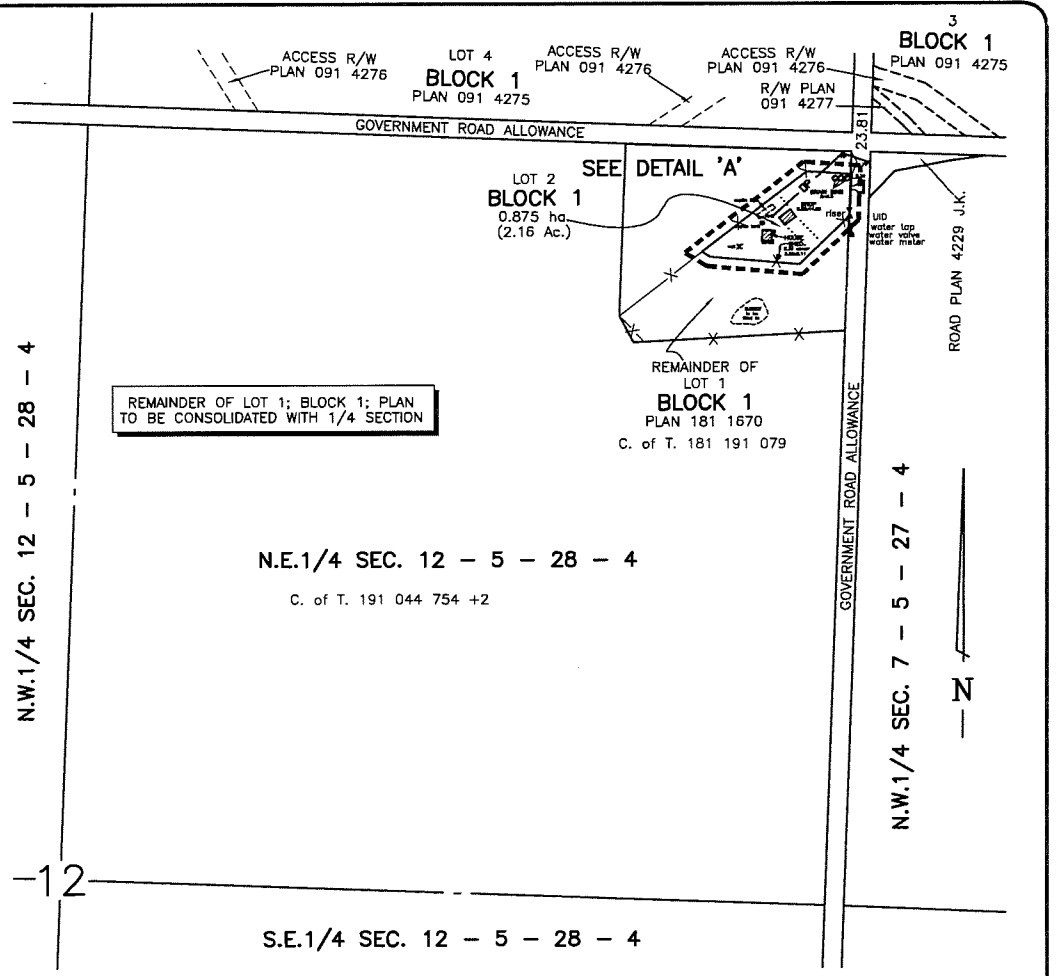
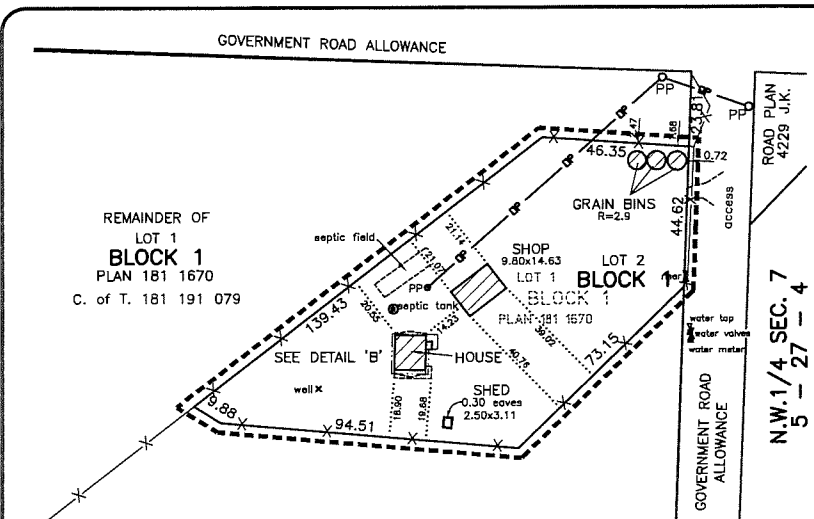
FILE No: 2025-0-006

OLDMAN RIVER REGIONAL SERVICES COMMISSION

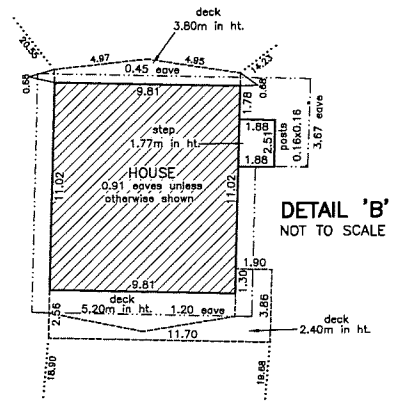
0 Metres 100 200 300 400

January 21, 2025 N:\Subdivision\2025\2025-0-006.dwg

**AERIAL PHOTO DATE: 2021**



DETAIL 'A'  
NOT TO SCALE



\* Location of septic field is approximate and shown according to direction of owner.

NO.	REVISION	DATE	BY
	Improvements shown were surveyed on November 15th, 2024		
	NOTE: Portion to be approved is outlined thus ----- and contains approximately 0.875 ha. Distances are in metres and decimal parts thereof. Overhead line is shown thus —PP—PP— PP stands for utility pole. Fence lines are shown thus —X—X— Distances and areas are approximate and are subject to change upon final survey.		

**HENGERER FARMS LTD.**

TENTATIVE PLAN SHOWING SUBDIVISION  
of part of  
**LOT 1; BLOCK 1; PLAN 181 1670**  
all within  
**N.E.1/4 SEC. 12; TWP. 5; RGE. 28; W.4 M.**  
CARDSTON COUNTY

**boa** brown okamura & associates ltd.  
Professional Surveyors  
2830 - 12th Avenue North, Lethbridge, Alberta

APPROVED	DRAWN CJB	DATE NOV. 22/24
	CHECKED DJA	JOB 24-16601
	SCALE 1:5000	DRAWING 24-16601T

D. J. Amantea, A.L.S.

**CHIEF ADMINISTRATIVE OFFICER'S REPORT**

February 21, 2025 to March 7, 2025

**Discussion:**

Feb 25	Council Committee and Council Meeting
Feb 26	Interview - CPO Candidate
Feb 27	Monthly Admin Staff and Safety Meeting
Feb 27	Interviews - CPO Candidate (x2)
Mar 3	Senior Mgmt. Team Mtg.
Mar 3	Recycling - Circular Materials Contract Discussion with Landfill
Mar 4	Planning Session
Mar 4	Subdivision Authority Mtg.
Mar 4	Municipal Planning Commission Meeting
Mar 5	Public Works Safety Mtg.
Mar 5	ASB Mtg.
Mar 6	COR Audit Mtg. (Safety Audit Training)
Mar 6	AES Summer Position Interviews (x3)

**Upcoming**

Mar 11	Council Committee and Council Meeting
Mar 12-13	Auditor Field Dates
Mar 12	Joint Health and Safety Committee Mtg.
Mar 13	PCREMO Core Working Group Meeting

**RECOMMENDATION:**

That Council receive for information, the Chief Administrative Officer's report for the period February 21, 2025, to March 7, 2025.

Prepared by: CAO, Roland Milligan

Date: March 6, 2025

Respectfully presented to: Council

Date: March 11, 2025

## **ADMINISTRATIVE SUPPORT ACTIVITY**

February 20, 2025 to March 6, 2025

### **Correspondence from the Last Council:**

- Denial to Waive Tax Penalty
- Livingstone Landowners Group – Thank you for attending
- Bennink Road Concerns
- Letter of Support – Pincher Creek Curling Association

### **Advertising/Social:**

- Eco Centre – New Diabetes Clothing Donation Bin
- A Rancher's Guide to Predator Attacks
- Shared "Chasing Alberta Gold at Oldman River Brewing"
- Seasonal Labor Job Posting (4 month and 6 month)
- Avalanche Warning
- Landfill closure/opening
- Public Hearing 1356-25 (Road Closure)
- Utility Rate Open House
- Pink Shirt Day

### **Other Activities:**

- ASB meeting
- Assisted HR with job postings
- Utility insert with notification of open house and survey
- Register Councillors for events

### **Invites to Council:**




- Rural Crime Watch – has not responded
- Community Foundation – April 8, 2025

### **Upcoming Dates of Importance:**

- Regular Committee, Council – March 11, 2025
- Regular Committee, Council – March 25, 2025
- Utility Rate Open House – March 26, 2025



### Recommendation to Council

<b>TITLE: 2025 Pincher Creek &amp; District Trade Show</b>			
<b>PREPARED BY: JESSICA MCCLELLAND</b>		<b>DATE: March 4, 2025</b>	
<b>DEPARTMENT: ADMINISTRATION</b>			
<b>Department Supervisor</b>		<b>ATTACHMENTS:</b>	
<b>Date</b>			
<b>APPROVALS:</b>			
			
			
<b>Department Director</b>	<b>Date</b>	<b>CAO</b>	<b>Date</b>

**RECOMMENDATION:**

**That the MD of Pincher Creek take part in the Pincher Creek and Chamber District of Commerce Trade Show on April 25 and 26, 2025,**

**AND THAT Council decide on a schedule for who will be in attendance.**

**BACKGROUND:**



Council participates in the annual trade show in April of each year, last year a schedule was set up so the MD had at least 2 people at the booth – hours are as followed:

- Friday April 25 3pm to 8pm
- Saturday April 26 10am to 4pm

**FINANCIAL IMPLICATIONS:**

\$250 for trade show booth rental

## Recommendation to Council

<b>TITLE: 2025 MUNICIPAL ELECTION</b>			
<b>PREPARED BY: Jessica McClelland</b>		<b>DATE: March 5, 2025</b>	
<b>DEPARTMENT: Administration</b>			
<b>Department Supervisor</b>		<b>ATTACHMENTS:</b>	
<b>Date</b>		<b>APPROVALS:</b>	
_____	_____		
<b>Department Director</b>	<b>Date</b>	<b>CAO</b>	<b>Date</b>

**RECOMMENDATION:**

**THAT Maureen Webster be appointed as Returning Officer and Laura McKinnon as Substitute Returning Officer for the 2025 Municipal Election.**

**BACKGROUND:**

Appointment of Returning Officer - Section 13 of the Local Authorities Election Act states: "An elected authority may, by resolution, appoint a returning officer for the purposes of conducting elections under this Act."

**FINANCIAL IMPLICATIONS:**



## Livingstone Landowners' Group

P.O. Box 148  
Cowley, Alberta T0K 0P0  
March 4, 2025

Municipal District of Pincher Creek No. 9  
Box 279  
1037 Herron Avenue  
Pincher Creek, AB T0K 1W0  
Via email: [info@mdpincercreek.ab.ca](mailto:info@mdpincercreek.ab.ca)

Dear Reeve Lemire and fellow Councillors,

This letter follows up on our presentation to the Council Committee meeting on February 25th. Thank you again for the opportunity to present what Livingstone Landowners Group (LLG) considers the most recent science along the Eastern Slopes and our current challenges with water. Water sustainability (quality and quantity) must remain a top priority for all Albertans.

Following our presentation, a few Councillors asked for further informative science to help clarify their positions. We have recently provided further information through CAO Rolan Milligan, and have also included an issues summary with this letter, responding to specific points raised during the February 25<sup>th</sup> meeting.

We recognize that ongoing consultation with the public is your elected responsibility, and we appreciate that you take this very seriously.

As you may be aware, on February 25th, Lethbridge City Council unanimously passed a resolution re-affirming its opposition to all coal development that risks damage to the Oldman Watershed and directed Mayor Blaine Hyggen to issue a public statement outlining the city's concerns relating to coal mining in the Eastern Slopes.

LLG is asking the M.D. of Pincher Creek to do the same. The timing of such a statement and/or a letter is extremely time sensitive. The AER closing hearings wrap up today, March 4<sup>th</sup>, and an announcement is expected to follow soon after. Your immediate action would be a great benefit to Albertans, 70% of whom are opposed to any type of continued coal mining in our Eastern Slopes.

Water quality and water quantity must remain Alberta's #1 resource. Thank you for your timely response.

Sincerely,

Bill Trafford  
President, Livingstone Landowners Group



## **Issue Summary - Coal-Mining and Water Related Concerns**

Proposed coal-mining in the Eastern Slopes would result in serious short term and long term harmful impacts on the MD of Pincher Creek and the entire watershed area fed from these headwaters.

In the short-term, there would be immediate impacts to quality of life in the affected area due to changes in water quantity and quality, airborne dust and contamination, disruption of wildlife corridors and destruction of iconic landscapes and the associated economic impact for tourism and related industries.

Over the long term, accumulation of harmful elements such as selenium would build up in the water flowing through the Oldman River system and adversely affect drinking water, irrigation of agricultural crops and cause mutations and death in aquatic life such as cutthroat trout. These accumulations build up over decades and are unfortunately irreversible.

The Livingstone Landowners does not intend to foster fear-mongering, but rather to share factual information from respected third party scientific studies and the experience from similar mining initiatives in other places, including across the border in British Columbia.

Over the past five-years our organization has conducted significant research as part of our participation in the Grassy Mountain hearings. We reviewed thousands of pages of documentation put forward by expert witnesses both for and against coal-mining in our mountains. We have also considered numerous external research documents and Alberta government reports and studies that show the harmful results of past coal mining activities (including the continuing impact from “restored” sites) on major waterways in our province.

For those interested in doing their own review and research into the issue we would be happy to provide you with additional links to a myriad of source documents that underscore the issues that we are raising with you.

As the elected leaders of our Municipal District we know that you take seriously your responsibility to do what is best for the residents of this region and for the greater public good. We therefore urge you to do your due diligence on this critical issue and take action now to protect our future water supplies and the rural values of your constituents.

To assist you in this process we provide the following comments on specific issues that were raised by members of the MD Council during our presentation to the Pincher Creek MD Council Committee meeting on Feb. 25, 2025.



## Clarification to issues raised at Pincher Creek MD Council Committee Meeting on Feb 25, 2025

### 1. What is the perceived toll that contaminated water would have on irrigation downstream past Lethbridge and what is the impact of dilution from the St. Mary's River?

Response:

The impact of coal-mining in our headwaters has a two-fold impact on irrigation and associated agriculture activities: an immediate reduction in water quantity in an over-subscribed and drought-prone region and long-term contamination by selenium and other harmful elements.

Specifically with respect to contamination, water quality will deteriorate over time and will specifically impact irrigation in agricultural districts relying on the Oldman River water system.

Water for irrigation in the Lethbridge area comes from multiple rivers. However, each river serves a distinct irrigation district. The Lethbridge Northern Irrigation District (LNID) draws water from the Oldman River downstream of the reservoir on Piikani Nation land and could be directly impacted by selenium and other contaminants associated with coal mining.

It is true that the location of the reservoir and the dilution from incoming streams of water would mitigate the short-term effects of the anticipated pollution and the consequences would not be fully felt for many years. In the Elk Valley it took about 20 years for levels to accumulate to problematic levels further downstream. However, those levels are continuing to increase as accumulation continues. The consequences are now being felt into the USA through the Libby Dam and the Kootenay River system. Those systems involve much greater volumes of water for dilution than we have in the Alberta rivers.

Unfortunately, once the contamination is an ongoing problem and there is no mechanism to stop it or to reverse the trend. This is very evident in the ongoing contamination of the Macleod River near Jasper, downstream from the reclaimed Cheviot mine. Selenium and other elements will continue to leach into the water system for centuries, long after mines have been closed and reclamation completed.

The time for action is before the contamination starts. Once the coal-mine mine is built, it is too late to act. The discarded waste rock will continue to leach selenium and harmful elements in perpetuity and there is no known containment or treatment to prevent that from happening.

### 2. What is the extent of Se contamination in the Elk Valley?

Response:

There are many studies, including many by the University of Montana, that have monitored the extent and outcomes of the elevated levels of selenium and other heavy metals flowing from the Teck/Glencore mines in SE British Columbia. For the layperson, the abstract and two articles below highlight the issue.

<https://pubs.acs.org/doi/10.1021/acs.est.3c05090>

<https://thenarwhal.ca/bc-teck-resources-selenium-risks-study/>

<https://thenarwhal.ca/bc-teck-selenium-water-treatment/>

## **Continuing Violations and Rising Costs**

It is also worth noting that there is significant evidence showing that the risks are continuing to grow. Teck has spent in excess of \$1.4 billion on water treatment measures, however, the water contamination problems remain largely unresolved.

The company has also been fined millions of dollars, including a \$60 million fine, in in 2021 for contaminating rivers in SE BC from its Greenhills and Fording mines, with impacts that included the collapse of the fish population in a large stretch of the Fording River. Additional fines have been leveled in recent years for a variety of failures including a \$15.5 million fine in 2023 for exceeding pollution thresholds. Last year Environment Canada charge the company with five new water pollution charges.

All of this clearly indicates the difficulty associated with protecting water sources downstream of active coal mines.

## **Local Water Issues**

Local communities including Sparwood and Fernie have experienced issues with well water and tributary contamination from selenium from coal-mining activity upstream.

<https://www.groundwatercanada.com/district-of-sparwood-b-c-to-bring-new-drinking-water-well-online/>

<https://www.fernie.ca/EN/meta/whats-new/news-archives/2023-archive/water-quality-update.html>

## **Coal Dust Contamination Downwind**

A study released in 2024 by researchers with the Alberta government and the University of Alberta ( <https://pubs.acs.org/doi/10.1021/acs.est.4c02596> ) found that the Elk Valley coal mines are spreading toxic organic contaminants downwind through coal dust.

The study states: “Our results reveal, for the first time, clear evidence that coal mining contaminants are spread far downwind from their sources. Fugitive coal dust high in (polycyclic

aromatic compounds) PACs is emitted from the Elk River valley coal mines and deposited at concentrations and at rates that rival some of Canada's [most](#) impacted ecosystems.”

### 3. Do we know the potential effectiveness and the risks of proposed Selenium mitigation plans?

Despite technological advances in selenium treatment over the years, it is LLG's understanding that there are no industrial-scale water treatment techniques that fully remove selenium from wastewater. In fact, there is currently no evidence that any mining companies using mountain top removal coal extraction methods have been able to consistently comply with safe water standards for aquatic life in their management of selenium and other toxic elements.

The Teck coal mines in southeastern B.C. have been focused on this issue for almost 40 years. They have developed new technology and to date have spent at least \$1.4 billion on water treatment facilities, much in the last 10 years, but have still not resolved the selenium issue.

Teck's 2023 sustainability [report](#) acknowledges the continuing challenges, particularly in certain areas downstream of their mining facilities. The company describes continuing research and additional water treatment plans to attempt to improve the situation.

The report states, “Our permit sets water quality concentration limits for selenium, nitrate, sulphate and cadmium; since 2015, water quality has met these limits 94% of the time, on average.”

However, even a 94% average success rate, is not adequate to comply with safe water standards for aquatic life. It is evident from the continuing actions against Teck by Environment Canada that despite the huge investment in water treatment facilities, the rivers are continuing to be polluted. In July of last year, Environment Canada laid an additional [five charges](#) against Teck. Additional detail is available [here](#).

The Teck mines (now owned by Glencore) utilize a combination of active water treatment and Saturated Rock Backfill methodology. Details of the methodology used to remove the selenium from water in flowing water systems using this method are complicated and LLG is not qualified to provide an expert opinion. However, Teck's own reports confirm that they have not yet resolved the water issues.

The level investment of made by Teck and that is expected to be continued by Glencore is in stark contrast to that planned by some other companies looking to complete open pit mining in the Eastern Slopes.

Northback, in its previous Grassy Mountain application, did not propose adequate water treatment measures.

The Joint Review Committee, in its [decision](#) denying the Grassy Mountain project, stated:

*“The project is likely to cause significant adverse effects on surface water quality. The project is located in a sensitive mountain environment and has the potential to adversely affect the water quality of Gold Creek and Blairmore Creek, which are within the headwaters of the Crowsnest River, Oldman River, and South Saskatchewan River. . .”*

*“Experience in the nearby Elk Valley in British Columbia illustrates the challenges and potential costs of dealing with the water quality issues that this project may face. The project will release a number of contaminants, particularly selenium, into receiving surface waters. Benga made several optimistic and non-conservative assumptions in assessing project effects on surface water quality, and these assumptions undermined our confidence in the results Benga presented. . .”*

*“Benga did not provide sufficient evidence to demonstrate that the saturated backfill zones can achieve the high degree of effectiveness necessary at the scale of this project. Even a modest reduction in effectiveness from Benga’s goals would result in a relatively large increase in selenium in saturated backfill zone effluent. . .”*

To add complexity and practical implications to the issue of mitigation, it takes decades, possibly centuries, for the elevated selenium leaching from a mine to return to baseline. This means the selenium control measures must remain in place for much longer than the mine will be active.

Alberta has a very poor record on actually making resource companies clean up after themselves as has been seen with orphan wells. The government also has no adequate security bond schedule in place for reclamation and maintenance of water treatment systems for mines. The expectation that mining companies will put billions of dollars into the operation of the necessary ongoing treatment process following mine closure is totally unrealistic.

#### 4. Is it possible for ground disruption and mountain removal at Grassy to disrupt the ground water flow and purity in the Porcupine Hills and further east?

Response:

The direction of groundwater and contamination flows is difficult to monitor or model, with groundwater flow rates generally far slower than surface water. Details on movement away from the surface water would require hydrological study and testing to determine details. Logic would say if the local groundwater is contaminated, it is going to stay contaminated for years after the surface water is clean. Real time experience (from the Elk Valley) would say contaminated water can travel and appear long distances from the source of the contamination.

The concern of ground water contamination resulting in unsafe municipal and private well water is well documented in the Elk Valley. Sparwood had to close down one municipal well and Fernie is presently looking for a new back up water source due to concerns with their present source.



The Fernie problems seem to have two sources, one of which is selenium entering the groundwater from the river, rather than directly from the mines which are well upstream. However, that also illustrates the scope of the problem. The groundwater plume from the mines is likely a threat to valley bottom wells in Elkford and Sparwood, because they are close to the mines. Fernie has problems more likely because the Elk River is contaminated and water moves back and forth between the surface and ground water, allowing contaminants to be transported rapidly away from the source mines, and then to enter groundwater some distance away.

<https://elkvalleywaterquality.gov.bc.ca/current-conditions/human-health-2022-annual-update/#:~:text=Drinking%20water%20quality,-Drinking%20water%20in&text=The%20possible%20influence%20of%20mining,drinking%20water%20guideline%20in%202022>

Please let us know if you required more information or want to discuss this further with us.

Thank you,

Livingstone Landowners Group

info@livingstonelandowners.net

**PINCHER CREEK**  
& DISTRICT  
CHAMBER of COMMERCE

**March 12th, 2025**

# **ANNUAL GENERAL MEETING**



Place: Pincher Creek Legion Branch No. 43 (Upstairs)

Time: 11:45 AM- 1:30 PM

Cost: In-person Luncheon \$25.00 + tax

For ticket information, visit our website [pincherchamber.ca/events](http://pincherchamber.ca/events)

[info@pincherchamber.ca](mailto:info@pincherchamber.ca)

**SCAN ME**

403-627-5199

*Pincher Creek Community Center Hall Society  
287 Canyon Drive Box 1178  
February 26, 2025*

**RECEIVED**  
FEB 27 2025  
M.D of Pincher Creek

*Municipal District #9  
Box 279 Pincher Creek, AB*

*Dear Reeve and Council,*

*The Pincher Creek Community Center Hall Society Hall Society wishes to acknowledge and thank you for the joint funding that we recently received. The hall board is constantly working to keep the cost the hall rental at an affordable rate. With utilities continuing to go up, it is a struggle for the board to keep the rates where they are.*

*The hall is an aging building and is constantly in need of upkeep. Recently we had to replace a hot water tank and a major repair on one of the furnaces along with many small repairs to keep the hall looking good and functional.*

*We recently applied for a federal accessibility grant to upgrade our three doors into the hall. One for automatic open. When this grant is received, we will have easy access for people in wheelchairs, scooters, walkers, crutches or canes. With our aging population in our surrounding area, we need to constantly improve our building.*

*Thank you,  
Executive and Board Member of the Pincher Creek  
Community Center Hall Society.*



For Immediate Release  
March 4, 2025

## Launch of Lethbridge Region Economic Resilience Task Force

**Lethbridge, AB...** A growing list of community partners are coming together to organize an Economic Resilience Task Force for the region. This coalition of organizations is aligned around a vision to strengthen and diversify the economy of southwest Alberta while building resilience in the business community to withstand and thrive through disruption to protect our quality of life.

“Southwest Alberta benefits from a diversified economy that is highly integrated between our rural and urban members. It’s essential for the region to work together to build on our strengths and market ourselves differently to attract increased investment from key areas like Europe and Asia.” - Laurie Lyckman, Board Chair, SouthGrow Regional Initiative

“Tourism, agriculture, and industry are all dependent upon the flow of people, goods, and services, and it will be important to offset any potential drop in commerce to and from the United States by identifying opportunities from other areas of Alberta and Western Canada and being prepared to manage supply chain impacts.” – Brent Feyter, Board Chair, Alberta SouthWest Regional Alliance

"A study by the Canadian Chamber of Commerce’s Business Data Lab suggests Lethbridge is the 10th most vulnerable city in Canada to U.S. tariffs. This highlights the urgent need to improve Canadian businesses' competitiveness and for governments at all levels to remove barriers to growth. The Lethbridge Chamber of Commerce is proud to support the Economic Resilience Task Force in advocating for these crucial changes to strengthen our local economy." - Paige Sarrasin, Board Chair, Lethbridge Chamber of Commerce

“Lethbridge and the region as a whole have a proven track record of overcoming economic hurdles like BSE (mad cow) and the COVID-19 pandemic. By convening dedicated community leaders through this task force, we can better support our industries as they tackle the challenges posed by wide-reaching tariffs. Businesses here require robust support for export growth and access to new markets. It is imperative that we create innovative tools to drive this effort forward.” - Timothy Hachkowski, Board Chair & President, Economic Development Lethbridge

-30-

***Kindly see the attached backgrounder for additional information and the terms of reference of the Task Force.***

For more information, contact:  
Trevor Lewington, Chief Executive Officer  
Economic Development Lethbridge  
403-330-3701  
[Trevor@chooselethbridge.ca](mailto:Trevor@chooselethbridge.ca)

**Trevor will be available for questions and media inquiries on Wednesday, March 5<sup>th</sup> at 11:00 am at Teconnect. (3582 30 Street North)**



Supported by:     





# Backgrounder

## *Task Force Terms of Reference*

---

### Lethbridge Region Economic Resilience Task Force (LERTF)

#### **The Why:**

The imposition of broad 25% tariffs levied against Canadian exports to the United States has the potential to significantly disrupt the national, provincial and regional economy. Alberta government revenues are heavily dependent on revenues from oil and gas exports to the USA.

Lethbridge ranks 10th out of 41 Canadian cities in terms of potential U.S. tariff exposure according to a recent report from the Canadian Chamber of Commerce. The risk to our economy is significant. Annual exports from the Lethbridge region are over \$2.2 billion, or just over \$15,000 per capita. Approximately 90% of all goods exported from the Lethbridge Census Metropolitan Area (CMA) goes to the United States representing a risk to almost ~19.4% of the city's GDP.

There is considerable stress and uncertainty in the business community and there will be a need for reliable information to support data driven decision making. Manufacturers will be under considerable pressure to relocate all or a portion of their operations to the United States to avoid the impact of tariffs and make the most of other incentives being offered.

Provincial government funding could be under pressure from a potential drop in the price of and demand for oil and gas. Municipal funding could be under pressure from increased unemployment and the risk of lower property tax assessment.

Attracting new investment, supporting continued growth and expansion as well as retaining existing business activity will be key to protecting the economy of the Lethbridge region. The change in our trade relationship with the United States is not temporary and unlikely to ever return to what it once was.

The Bank of Canada has outlined its expectation that what lies ahead is a “structural change” to the Canadian economy. A permanent shift downward in growth potential with implications for quality of life of every Canadian. Canada has long suffered from a productivity gap with the United States that could widen with the additional complications of a trade war.

More importantly, however, within every crisis comes opportunity. By galvanizing the business community and providing sufficient tools and resources, there is an opportunity to reimagine southern Alberta's economy to make it stronger for the long term. The current crisis should be a clarion call for change to make Canadian businesses more competitive and for governments at all levels to remove barriers to growth to enable industry to leverage free trade agreements with other global markets.



# Backgrounder

## *Task Force Terms of Reference*

---

### **What:**

#### Task Force Vision:

Strengthen and diversify the economy of southwest Alberta while building resilience in the business community to withstand and thrive through disruption to protect our quality of life.

#### Key Goals:

- Advocate for the elimination of the barriers to interprovincial trade relevant to the region and local industry.
- Diversify global trade opportunities and expand export development in markets appropriate for the region's industry.
- Elevate the region's voice and promote the subject matter expertise of our industry leaders on the national and international stage.
- Promote the region an attractive place to invest and work with municipal partners to enhance the value proposition for investment.
- Support the ease of doing business in the region through the elimination of regulatory red tape at all levels of government.
- Support entrepreneurs and business owners to navigate a changing economic landscape.
- Ensure increased investment in post-secondary institutions and positioning them as world-leading research institutions and position Lethbridge as destination of choice for domestic students.
- Promote the region's tourism potential and increasing visitation.
- Speak with one unified, consensus voice on key economic issues even when we disagree.

### **How:**

- Coordination of resources (training, research, marketing) between organizations.
- Alignment of messaging and focusing on the positive opportunities where possible.
- Focused, joint advocacy to all levels of government.
- Shared intelligence and market data to support improved decision making.
- Facilitate import replacement strategies enabling increased local sourcing and stronger local supply chains. (B2B)
- Leveraging export development and market access agencies and encouraging a "boots on the ground" presence in the region. (EDC, GAC-TCS, Travel Alberta, Invest Alberta etc.)
- Promotion of "Buy Local" (or "Experience Local") education and awareness. (B2C)
- Increased workforce and business capability by developing/delivering training, workshops and other resources.
- Building investor networks and increasing access to capital.
- Bi-weekly coordination calls among the partners.



# Backgrounder

## Task Force Terms of Reference

---

### Who:

#### Partners:

- Alberta Southwest Regional Alliance (*Bev Thornton, Executive Director*)
- Community Futures Lethbridge Region (*Troy Grainger, Executive Director*)
- Economic Development Lethbridge (*Trevor Lewington, CEO*)
- Lethbridge Chamber of Commerce (*Cyndi Crane, CEO*)
- Lethbridge Construction Association (*Erin Low, Executive Director*)
- Lethbridge Polytechnic (*Bryon Anderson, Director, Government and Public Affairs*)
- SouthGrow Regional Initiative (*Peter Casurella, Executive Director*)
- Tourism Lethbridge (*Erin Crane, CEO*)
- University of Lethbridge (*Richard Westlund, Executive Director, Communications, Marketing & Government Relations*)

#### Supported by:

- Alberta Jobs, Economy & Trade (*Martin Ebel, Regional Economic Development Specialist, South East & Marie Everts, Regional Economic Development Specialist, South West*)
- City of Lethbridge (*Perry Stein, Partner Services Manager*)
- Lethbridge County (*Mattie Watson, Communications & Marketing Strategist*)
- Prairies Economic Development Canada (*Brandie Lea, Senior Business Officer*)

#### Key Initiatives:

- Canada's Premier Food Corridor (CPFC)
- Canada's Western Gateway Trade & Logistics Corridor (CWG)
- Lethbridge Manufacturing Association
- Regional Innovation Network of Southern Alberta (RINSA)
- Southern Alberta Alternative Energy Partnership (SAAEP)
- Southern Alberta Investment & Trade Initiative (SAITI)
- Team Lethbridge



# Backgrounder

## Task Force Terms of Reference

### Guiding Principles:

- ✓ Lethbridge has weathered economic storms before and will emerge stronger through this crisis. (ie: BSE and COVID)
- ✓ Crisis brings opportunity – resilience is about seeing and taking advantage of new opportunities that arise. Scout vs soldier mindset.
- ✓ The regional economy is interdependent and interconnected – taking a big picture view is important as we work together to build on our strengths.
- ✓ Time is of the essence – momentum through action is more important than crossing every T and dotting every I.
- ✓ Governance is by consensus and through collaboration in keeping with the spirit of historical projects in the region among our organizations.
- ✓ The Task Force is temporary and will be ended when the partners feel sufficient progress has been accomplished.
- ✓ Participation is voluntary and on a project-by-project basis
  - There is no financial contribution required, organizations contribute staff time and other in-kind resources within the capacity available within their scope.
  - Projects with funding requirements will be evaluated and resourced through available support programs and voluntary contributions on a case-by-case basis.
- ✓ We have a long-term focus – getting off the commodity and resource dependent rollercoaster. We recognize the task force is temporary but our outcomes are based on long term impact.

### Communities:

The following 40 communities are included in the scope of the Task Force’s work by virtue of their inclusion in either the Alberta Southwest Regional Alliance, SouthGrow Regional Initiative or Economic Development Lethbridge:

Arrowwood	County of 40 Mile	Milo	Vauxhall
Barnwell	Coutts	MD of Pincher Creek	Vulcan
Blood Tribe	Cowley	MD of Ranchland	Vulcan County
Bow Island	Crowsnest Pass	MD of Taber	Warner
Cardston	Fort MacLeod	MD of Willow Creek	
Cardston County	Foremost	Nanton	
Carmangay	Glenwood	Picture Butte	
Champion	Hill Spring	Pincher Creek	
City of Lethbridge	ID#4 - Waterton	Raymond	
Claresholm	Lethbridge County	Stavely	
Coaldale	Magrath	Stirling	
Coalhurst	Milk River	Taber	



---

**FW: Diabetes Canada Donation Bin**

---

**From** David Desabrais <AdminInfra@mdpincercreek.ab.ca>

**Date** Mon 2025-03-03 2:30 PM

**To** Roland Milligan <AdminCAO@mdpincercreek.ab.ca>; Jessica McClelland <AdminExecAsst@mdpincercreek.ab.ca>

Perhaps to Council for Info

**David Desabrais, P. Eng.**

**Cell: 403 632 5184**

Emails and associated attachments are confidential and intended solely for the individual or entity to whom they have been addressed. In the event you have received this email by mistake, please notify the sender and delete it from your email system. Disclosing, copying, or distributing this information is strictly prohibited. We do not accept any liability from software viruses that may have been transmitted via email, or associated attachments.

---

**From:** Carolyn Higgins <Carolyn.Higgins@diabetes.ca>

**Sent:** March 3, 2025 2:26 PM

**To:** manager@cnplandfill.ca; David Desabrais <AdminInfra@mdpincercreek.ab.ca>

**Subject:** FW: Diabetes Canada Donation Bin

Good Afternoon Dean and David,

Thank you so very much for your support at the Eco Recycling Centre. It's partners like you that allow us to support the more than 11 Million Canadian affected by diabetes. We have approval from head office to place one bin and add another if necessary, depending on usage. Our crew is scheduled to deliver the donation bin this Wednesday, March 5 and the operation is aware that someone will direct placement on site.

Please reach out if you have any questions. We look forward to partnering with The Eco Recycling Centre!!

**Kindest Regards,**

**Carolyn Higgins-Teichroeb**

Territory Manager Southern Alberta

National Diabetes Trust

[Diabetes Canada](https://www.diabetes.ca)

C: 403-831-7663

[Carolyn.Higgins@diabetes.ca](mailto:Carolyn.Higgins@diabetes.ca)

[diabetes.ca](https://www.diabetes.ca) | 1-800-banting | Leading the fight to [end diabetes](https://www.diabetes.ca)

# Pincher Creek Region

## Community Greenhouse Gas Emissions Inventories

February 2025

Net-Zero Communities Accelerator Program



# Acknowledgements

This report has been prepared by Community Energy Association (CEA) as part of the Net-Zero Communities Accelerator (NCA) Program – Prairies cohort. The NCA program is delivered by QUEST Canada, along with the Centre for Indigenous Environmental Resources (CIER), CEA, Éco-Ouest Canada / Eco-West Canada, and the Municipal Climate Change Action Centre (MCCAC). The NCA Program is made possible thanks to the generous support of its funders, including Cenovus, the Government of Alberta through the MCCAC, and Prairies Economic Development Canada (PrairiesCan).

The Town and M.D. of Pincher Creek acknowledge the traditional territories of the Niitsitapi (Blackfoot) and the people of the Treaty 7 region in Southern Alberta, which includes the Siksika, the Piikani, the Kainai, the Tsuut'ina, and the Stoney Nakoda First Nations, including Chiniki, Bearspaw, and Wesley First Nations. Southern Alberta is also home to the Otipemisiwak Métis Nation. As we strive to mitigate and adapt to climate change, it is important to recognize and learn from the sustainable ways of living that have long been practised by the Indigenous peoples of these lands.

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# Executive Summary

As part of the Net-Zero Communities Accelerator (NCA) Program – Prairies cohort, a baseline greenhouse gas (GHG) emissions inventory has been developed for the Town of Pincher Creek and Municipal District of Pincher Creek, to inform subsequent planning efforts and serve as a baseline to measure the GHG impacts of future actions.

This community-level inventory encompasses GHG emissions from residential, commercial buildings (including farms, business and government), on-road passenger and commercial vehicles, solid waste and wastewater. 2023 was chosen as the baseline year. Table E.1 provides a snapshot of the total energy consumption, GHG emissions and energy expenditures for the Town and the M.D.

**TABLE E.1: TOTAL COMMUNITY ENERGY CONSUMPTION, GHG EMISSIONS AND ENERGY EXPENDITURES IN 2023**

	Town of Pincher Creek	Municipal District of Pincher Creek
Total energy consumption	751,475 GJ	737,033 GJ
Total GHG emissions	59,840 tCO <sub>2</sub> e	66,258 tCO <sub>2</sub> e
Total energy expenditures	\$25,453,840	\$30,144,966

For the Town, GHG emissions from electricity and natural gas use, primarily in buildings, accounted for 51% of emissions, followed by transportation fuels for on-road vehicles (40%), and waste and wastewater (9% combined). Emissions from the Town’s corporate operations (i.e. buildings, infrastructure and fleet) accounted for approximately 4% of community-wide emissions. The M.D.’s GHG emissions profile showed an even larger proportion of emissions from energy use in buildings (62%; dominated by the commercial/farm sector), followed by commercial and passenger vehicles (33%), and waste and wastewater (5% combined). The M.D.’s corporate emissions comprised approximately 2% of community-wide emissions.

Business as Usual (BAU) projections were created by fuel source and by sector from 2024 - 2035 (2023 being the inventory year data). These showed projected emissions reductions due to provincial and federal commitments, particularly the projected reduced electricity emissions intensity in Alberta (due to increased supply of electricity generation from renewables in the grid), and the federal Zero-Emission Vehicles Act which mandates 100% of new light duty vehicle sales to be zero-emissions by 2035. The Town of Pincher Creek's overall GHG emissions are projected to decrease by 35% by 2035, while the M.D.'s are projected to decrease by 46% by 2035, largely due to the forecasted lower electricity emissions factor in Alberta. The M.D.'s proportion of electricity use is higher than the Town's (31% of energy use and 48% of emissions for the M.D., vs 15% of energy use and 26% of emissions for the Town), therefore resulting in larger projected emissions reductions.

Large industry emitters are facilities which emit a minimum of 10,000 tCO<sub>2</sub>e annually. Within the Town's boundary, there was one facility that reported emissions as per the Greenhouse Gas Reporting Program (GHGRP); GHG emissions from this site were 26,987 tCO<sub>2</sub>e in 2022, equivalent to approximately 45% of total community emissions. For the M.D., there were 2 sites, which combined emitted 304,379 tCO<sub>2</sub>e - equivalent to 4.6 times the amount of total community emissions. All sites were associated with the Waterton Complex. These emissions are not included in the community inventory, as the Town and M.D. have limited jurisdiction over private industrial emissions.

Land use mapping showed that the Town's land area covers over 1000 hectares (ha) and is primarily built environment (49%), the urban fringe covers 39% and is dominated by cropland, followed by rangeland, and parkland accounts for 12% of land use within the Town's boundaries. The M.D. covers over 394,000 ha, with three land use types accounting for 96.7% of the total land area: rangeland (42%), trees (28%) and crops (27%). Year-round water, built area, bare ground and seasonally flooded vegetation comprised the remaining. Trees in the M.D. are estimated to sequester approximately 565,000 tCO<sub>2</sub>e/yr.

The next steps of the NCA program will build off the Community GHG Inventory and Energy Mapping activities, and include a Community Energy Plan Implementation workshop, and an Economic Impact Assessment.



# Introduction

## NCA PROGRAM

The Net-Zero Communities Accelerator (NCA) Program enables communities in Canada to achieve their energy and emissions objectives. The program provides participating communities with dedicated support and the necessary services, tools, and knowledge to guide them in developing and implementing their Community Energy and Emissions Plans (CEEPs) / Climate Action Plans and initiatives, realizing their environmental, economic, and social benefits. The NCA Program brings together leading organizations from across Canada in the fields of energy, emissions, resilience planning and implementation, each of which offering proven tools and services to provide participating communities with the capacity they need to develop evidence-based, integrated plans and drive project implementation.

The Town of Pincher Creek and Municipal District of Pincher Creek are participating in the NCA Program's inaugural Prairies Cohort, comprised of 12 participating communities from Alberta, Manitoba, and Saskatchewan. Communities from the Prairies are uniquely positioned to significantly contribute to Canada's net-zero goals due to the region's abundant renewable energy resources, highly skilled workforce and capacity for innovative solutions. As they have with agriculture and other resource development, these communities stand to benefit from diverse economic opportunities that will also increase community resilience while continuing to build a prosperous future. This Greenhouse Gas (GHG) Emissions inventory has been undertaken concurrently with Energy Mapping and Action Planning activities, as part of the NCA program.

## LOCAL CONTEXT

The Town of Pincher Creek and Municipal District of Pincher Creek have been undertaking climate mitigation and adaptation actions, including:

- Undertaking a Climate Risk Assessment and engaging community members in the development of a Climate Adaptation Plan for the Pincher Creek Region, in partnership with Piikani Nation;
- Participating in the Municipal Energy Manager program, including completing a benchmarking study, energy scans, and an Energy Management Plan identifying GHG emissions reductions opportunities for local government buildings, infrastructure and fleet. Implemented 94 energy conservation measures (ECMs) across 13 facilities, a solar project, investing in EVs and EV charging;
- Implementing the Clean Energy Improvement Program (CEIP), whereby residential property owners in the M.D. or Town of Pincher Creek can finance up to 100% of energy efficiency and renewable energy projects.

## REPORT OVERVIEW

This report describes greenhouse gas (GHG) community inventory data for 2023 for the Town of Pincher Creek (“the Town”) and Municipal District of Pincher Creek (“the M.D.”), and Business As Usual (BAU)<sup>1</sup> projections through to 2035. The goal is to help the Town and M.D. understand their current energy and emissions situation, and to inform future community climate planning and implementation efforts. This community-level inventory encompasses GHG emissions from transportation, buildings and waste within the Town and M.D.’s respective geographical boundaries. The emissions inventory will be presented through the following sectors and subsectors, as described in Table 1.

**TABLE 1: COMMUNITY INVENTORY SECTORS AND SUBSECTORS**

Sector	Subsector	Description of sources of energy use and emissions	Key data sources
Transportation	Passenger vehicles	Diesel, gasoline, and compressed natural gas consumed for on-road mobility purposes. Off-road vehicles and farm equipment are not included.	National Inventory Report (NIR) emissions factors, Alberta Registries Motor Vehicles Division registrations, NRCan monthly average prices for gasoline & diesel.
	Commercial vehicles		
Buildings	Residential buildings Commercial buildings (including farms, business and local government)	Natural gas and electricity consumed within buildings and infrastructure.	Consumption: Natural gas (GJ) - Apex Utilities and Chief Mountain Gas Co-op Ltd; Electricity (kWh) – Fortis. Rates estimated from UCA Helps.
Waste	Landfill Waste	Methane emitted from the breakdown of organic matter in landfills, and during composting processes.	Tonnage of waste disposed of in landfills from Town and MD.
	Compost	Methane and nitrous oxide emissions from the wastewater treatment process and from wastewater discharged to receiving water bodies.	Types of wastewater treatment processes and populations served by each.
	Wastewater		

Land use analyses were also performed for both the Town and the M.D. The total area (hectares) for each land use category was calculated, providing the foundations for future analysis of GHG emissions associated with land use, as additional data is needed to calculate the impacts of agriculture. An estimate of carbon sequestration from trees was calculated. The report is presented with the Town of Pincher Creek data first, followed by the M.D of Pincher Creek. The methodology and assumptions are described in Appendix 1. Raw inventory data is in Appendix 2.

<sup>1</sup> See ‘Business as Usual (BAU)’ definition on page 17

# Town of Pincher Creek Inventory

## COMMUNITY ENERGY PROFILE: CONSUMPTION, EMISSIONS, AND EXPENDITURES

The most recent complete inventory year dataset available from a variety of data sources was 2023. See Appendix 1: Methodology & Assumptions for a full description.

Table 2 provides a snapshot of the total energy consumption, GHG emissions, and energy expenditures in 2023.

**TABLE 2: TOTAL COMMUNITY ENERGY CONSUMPTION, GHG EMISSIONS AND ENERGY EXPENDITURES IN 2023 – TOWN OF PINCHER CREEK**

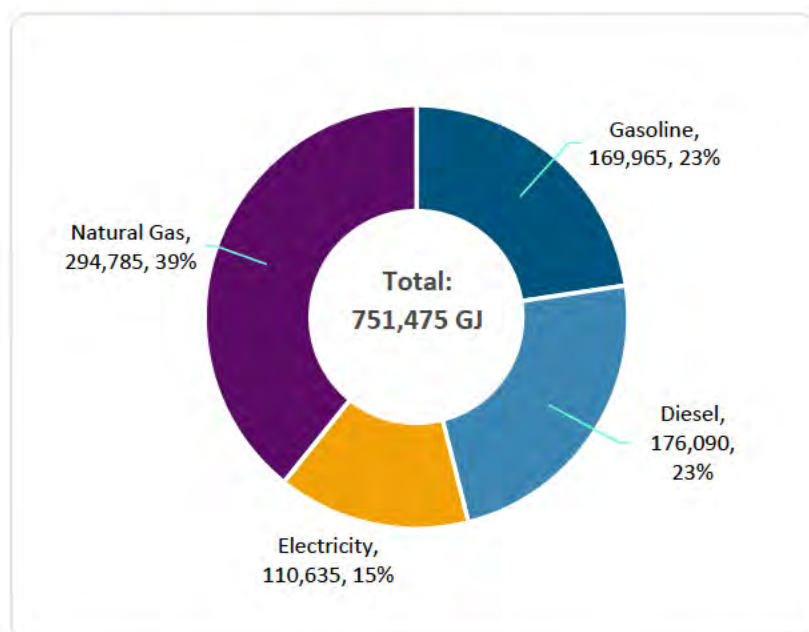
<b>Total energy consumption</b>	751,475 GJ
<b>Total GHG emissions</b>	59,840 tonnes of CO <sub>2</sub> e
<b>Total energy expenditures</b>	\$25,453,840

Note, the Town of Pincher Creek’s corporate GHG emissions from municipal operations were 2,197 tCO<sub>2</sub>e in 2021 – which accounts for approximately 4% of community emissions. See Appendix 3: Corporate Emissions Overview for a breakdown of corporate emissions.

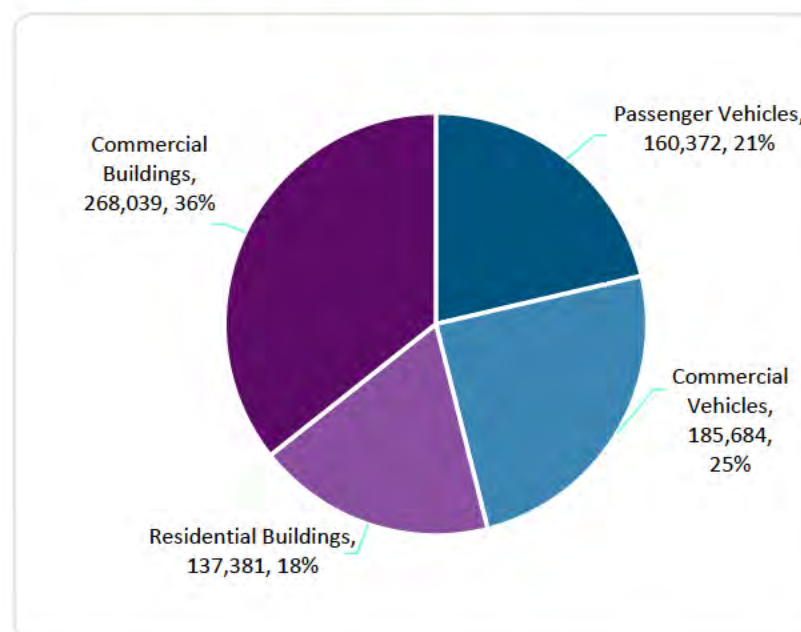
## COMMUNITY ENERGY CONSUMPTION - TOWN

2023 energy consumption data was analysed by fuel type and by sector, as shown in Figures 1 and 2 below. Total energy consumption was over 750,000 GJ, equivalent to average energy use of approximately 500 GJ per household, or 220 GJ per capita (based on Census data showing 1,520 households in 2021 and Government of Alberta population data of 3,380 residents in 2023-estimate).

**FIGURE 1: 2023 ENERGY USE (GJ) BY SOURCE**



**FIGURE 2: 2023 ENERGY USE (GJ) BY SECTOR**



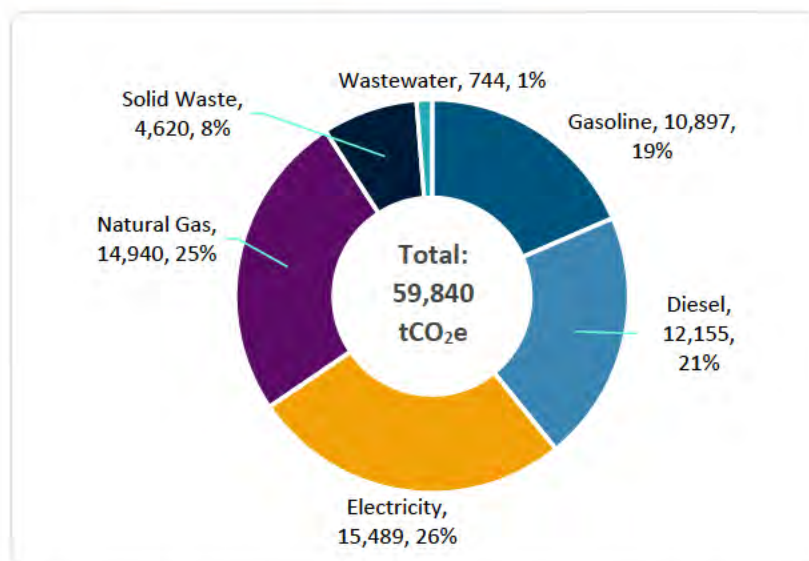
The majority of energy consumption in the Town of Pincher Creek is from energy use in buildings (electricity and natural gas are 54% combined), with commercial buildings responsible for two thirds of electricity and natural gas use, and residential one third. This is closely followed by mobility fuels (gasoline & diesel, 46% combined), with commercial vehicles accounting for a slightly larger proportion.



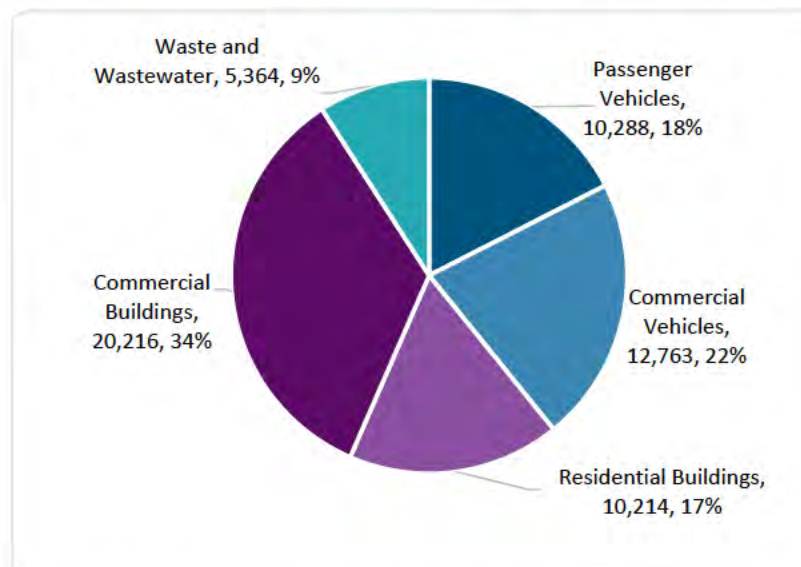
## COMMUNITY GHG EMISSIONS - TOWN

GHG emissions (in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e)) split by source are shown in Figure 3, and by sector in Figure 4. Total GHG emissions were 59,840 tCO<sub>2</sub>e, equivalent to average emissions of approximately 39 tCO<sub>2</sub>e per household, or 17.7 tCO<sub>2</sub>e per capita.<sup>2</sup>

**FIGURE 3: GHG EMISSIONS (tCO<sub>2</sub>e) BY SOURCE, 2023**



**FIGURE 4: GHG EMISSIONS (tCO<sub>2</sub>e) BY SECTOR, 2023**



The majority of emissions in the Town of Pincher Creek are due to energy use in buildings (electricity and natural gas are 51% combined), followed by mobility fuels (gasoline & diesel, 40% combined). Commercial buildings (including local government buildings and infrastructure) account for a higher proportion of emissions than residential buildings. Similarly, commercial vehicles generate more emissions than passenger vehicles in the community. Waste contributes a moderate proportion at 8%, while wastewater emissions account for 1%.

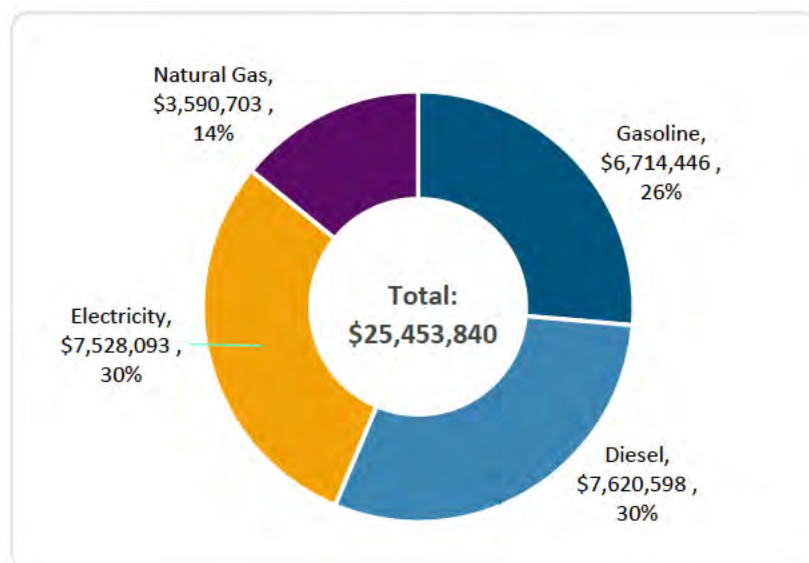
<sup>2</sup> For reference, in 2021, Canada-wide per capita emissions were 17.7 tCO<sub>2</sub>e per person. “Global greenhouse gas emissions by country,” Government of Canada, <https://www.canada.ca/en/environment-climate-change/services/environmental-indicators/global-greenhouse-gas-emissions.html>



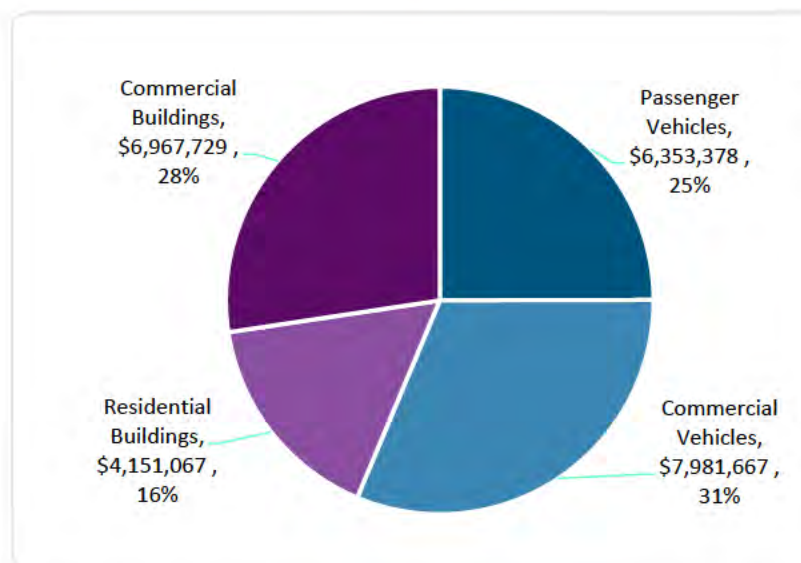
## COMMUNITY ENERGY EXPENDITURES - TOWN

Community energy costs (\$) are shown by fuel type in Figure 5 and by sector in Figure 6. In 2023, total energy expenditures were nearly \$25.5 million, equivalent to average annual energy costs of nearly \$16,750 per household, or over \$7,500 per resident (including both residential and commercial expenditures). Passenger vehicle-only gasoline and diesel costs were approximately \$6.4 million, equivalent to an average of nearly \$4,200 per household, or \$1,900 per resident. Residential building natural gas and electricity costs were nearly \$4.2 million, equating to an average of approximately \$2,700 per household, or over \$1,200 per resident.

**FIGURE 4: ENERGY EXPENDITURES BY FUEL TYPE, 2023**



**FIGURE 3: ENERGY EXPENDITURES BY SECTOR, 2023**

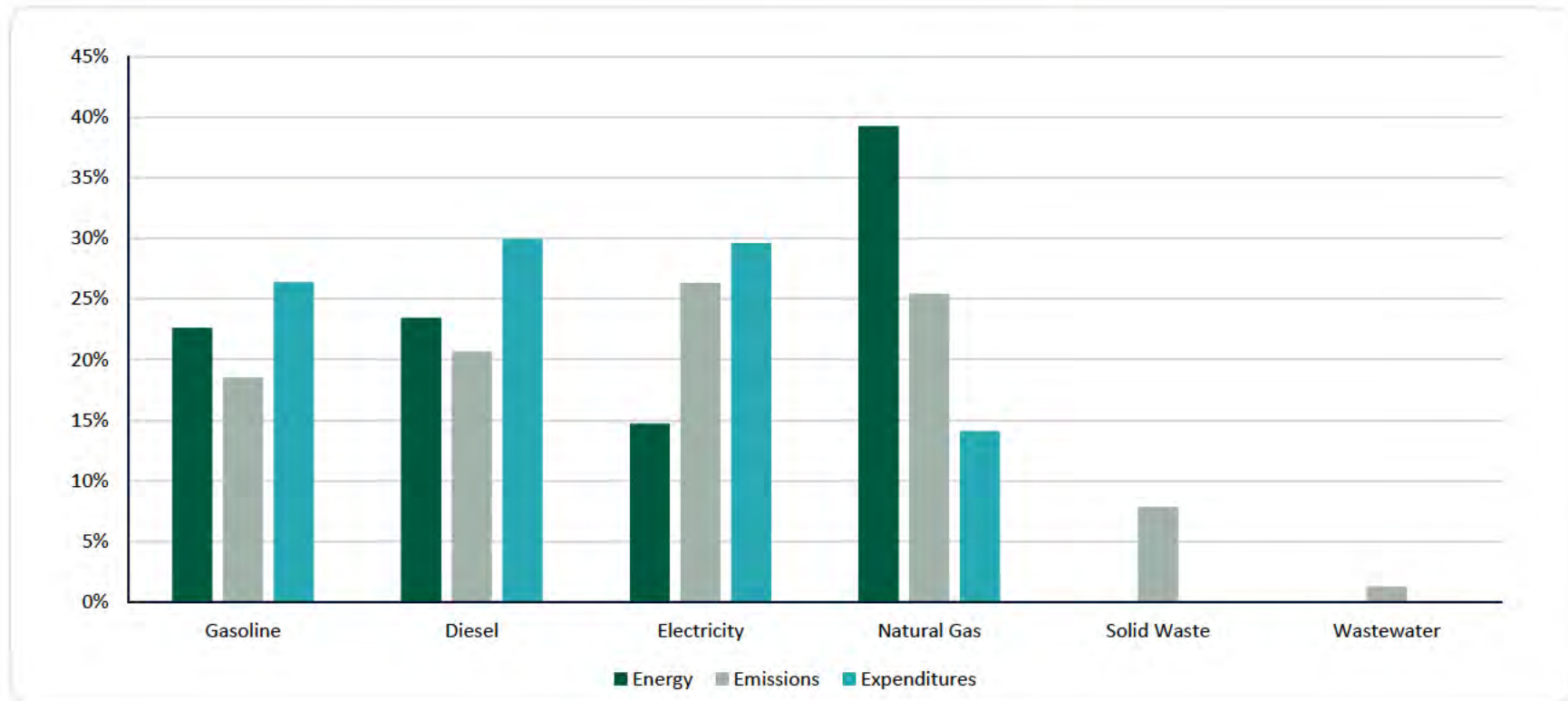


As per Figure 5, mobility fuels are the largest cost at over \$14.3 million (56%), followed by electricity at over \$7.5 million (30%), and natural gas at \$3.6 million (14%). Commercial buildings account for a higher proportion of energy costs than residential buildings, although to a lesser degree than for actual consumption, due to access to lower commercial energy rates. Fuels for commercial vehicles collectively cost more than fuels for passenger vehicles in the community.

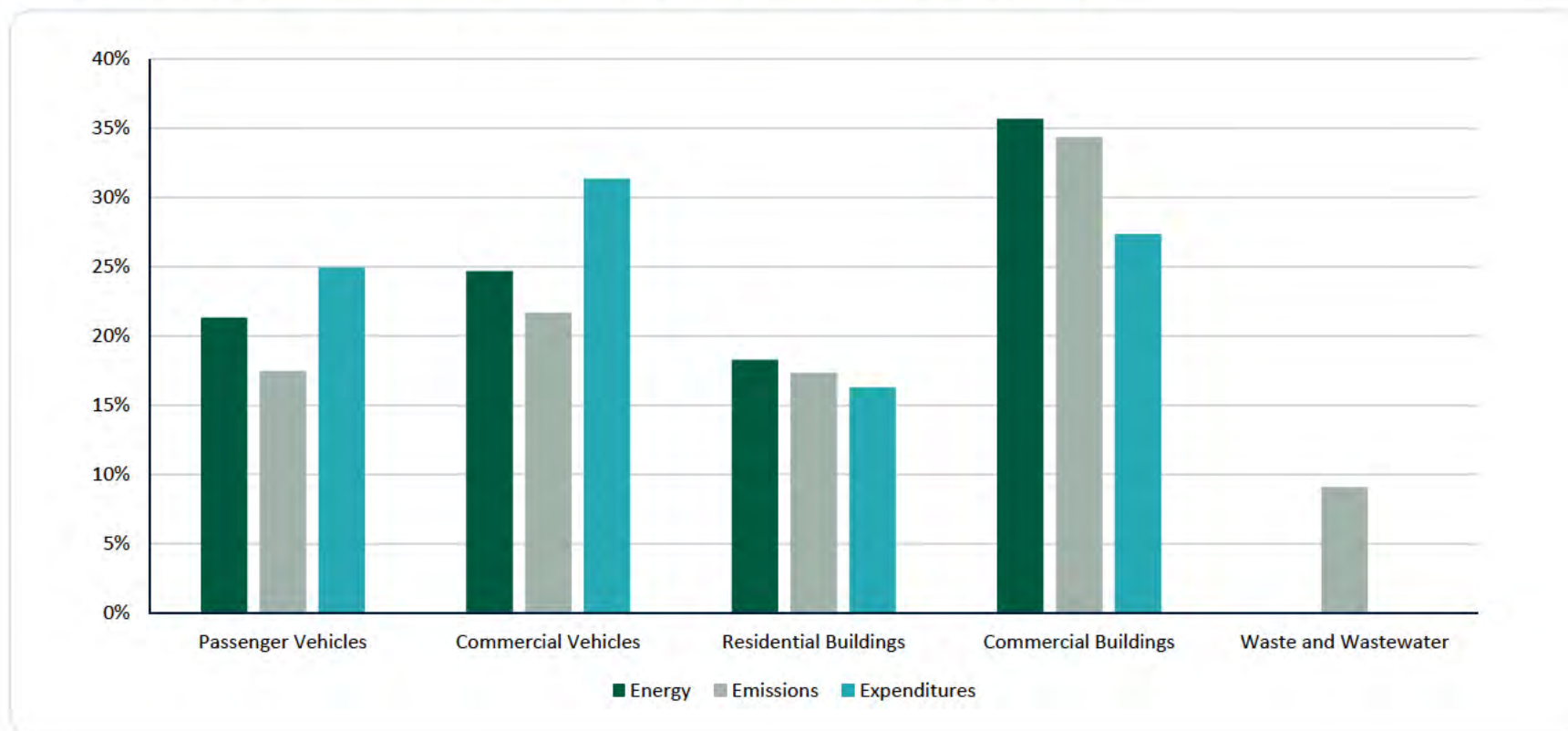
## OVERVIEW - TOWN:

Figures 7 and 8 show the proportion of energy consumption, emissions, and estimated energy expenditures by source, and by sector.

**FIGURE 5: PERCENTAGE OF ENERGY CONSUMPTION, GHG EMISSIONS AND ENERGY EXPENDITURES BY SOURCE, 2023**



**FIGURE 6: PERCENTAGE OF ENERGY CONSUMPTION, GHG EMISSIONS AND ENERGY EXPENDITURES BY SECTOR, 2023**



Energy use in buildings contributes the largest proportion of community emissions (51%), but the second highest cost (44%). Mobility fuels are the second largest source of emissions (39%), but the highest cost (56%). Commercial buildings have the largest proportion of energy consumption at 36%, while also having a share of 16% of costs and 34% of emissions. Residential buildings contribute 18% of consumption, 17% of emissions, and 16% of costs.

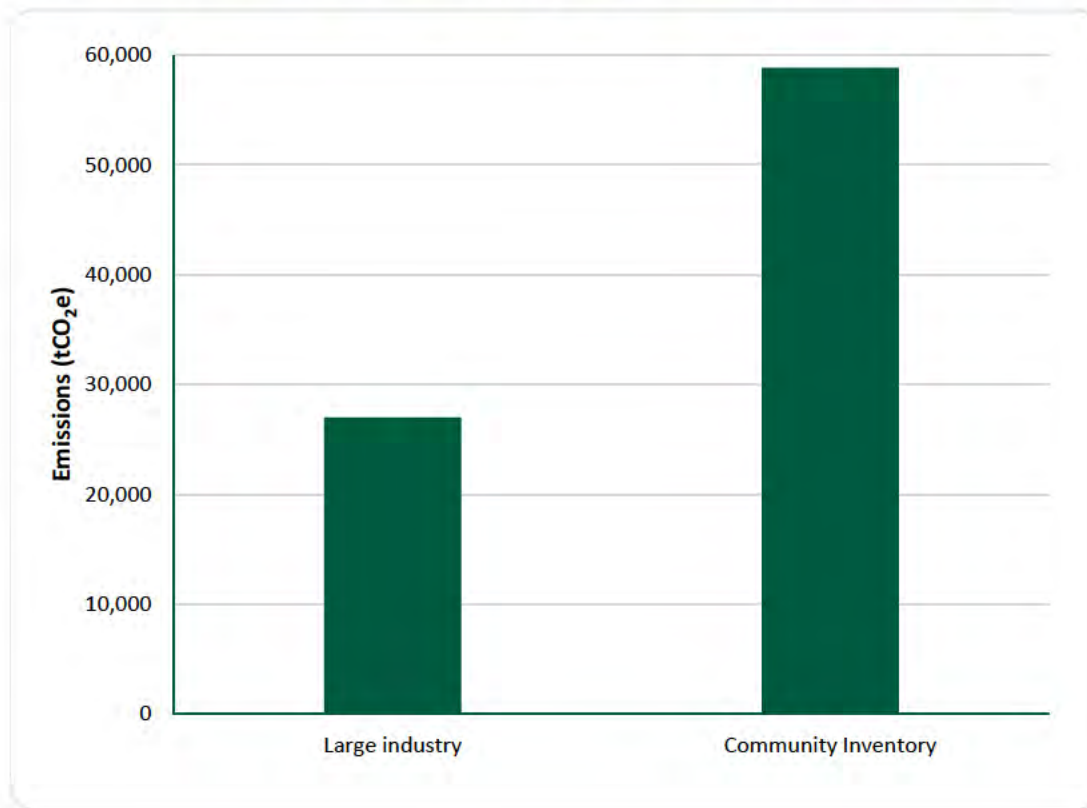
Landfill methane emissions from waste contribute a moderate portion, at 8%, and emissions from methane and nitrous oxide generated from the wastewater treatment process (anaerobic and facultative lagoons, some households on septic) and from wastewater discharged to receiving water bodies accounted for 1% (see Appendix 1 for full methodology).



## LARGE INDUSTRY EMISSIONS - TOWN

Large industry emitters are those industries which emit a minimum of 10,000 tCO<sub>2</sub>e. In the Town of Pincher Creek, there was one facility that reports emissions as per the Greenhouse Gas Reporting Program (GHGRP): Compressor Station W for the Waterton Complex, which emitted 26,987 tCO<sub>2</sub>e in 2022. These emissions are not included within the Community inventory. Overall, GHG emissions from this site are equivalent to approximately 45% of total community emissions (see Figure 9 below). Note that the energy source for emissions is not delineated in public reports, so it is not possible to determine how much of each fuel type is used.

**FIGURE 7: GHG EMISSIONS FROM LARGE INDUSTRY (2022) COMPARED TO TOWN OF PINCHER CREEK COMMUNITY INVENTORY (2023)**





## BUSINESS AS USUAL FORECAST - TOWN

Inventory data from 2023 is shown in this section, with Business As Usual (BAU) projections through to 2035.

### What does 'Business As Usual' mean?

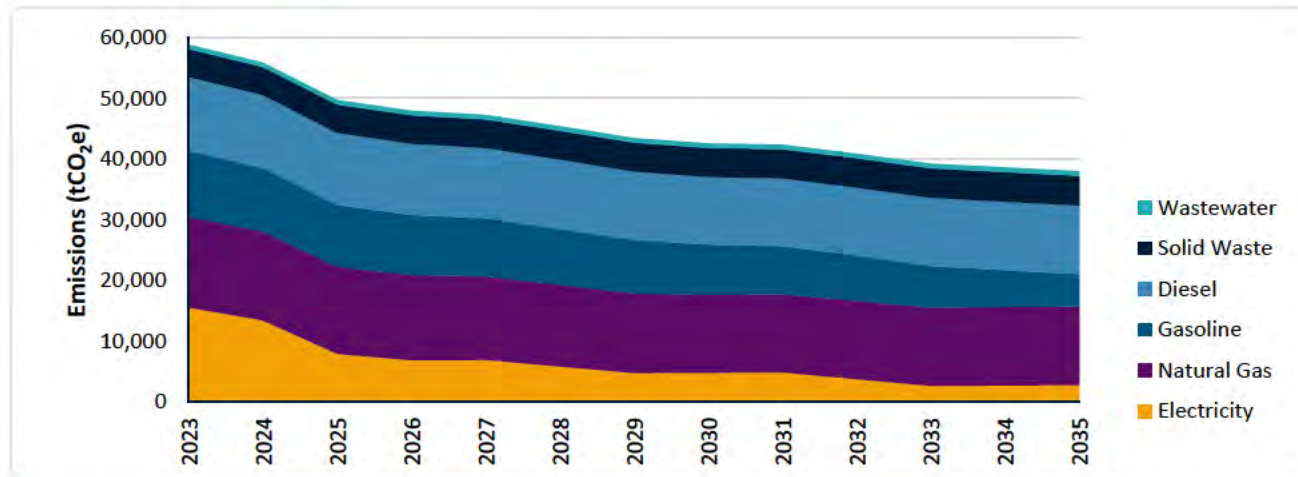
Business As Usual, or BAU, is a way of describing what is estimated to happen to community emissions if no further action to decrease emissions is taken, beyond what they are already doing and plan to do. A number of factors are taken into account to develop BAU emissions scenarios, population growth being one of the most important considerations. As the number of people increase in a community, more buildings are needed/used and more vehicles are driven on roads.

Other considerations that were taken into account to develop the BAU emissions scenario include:

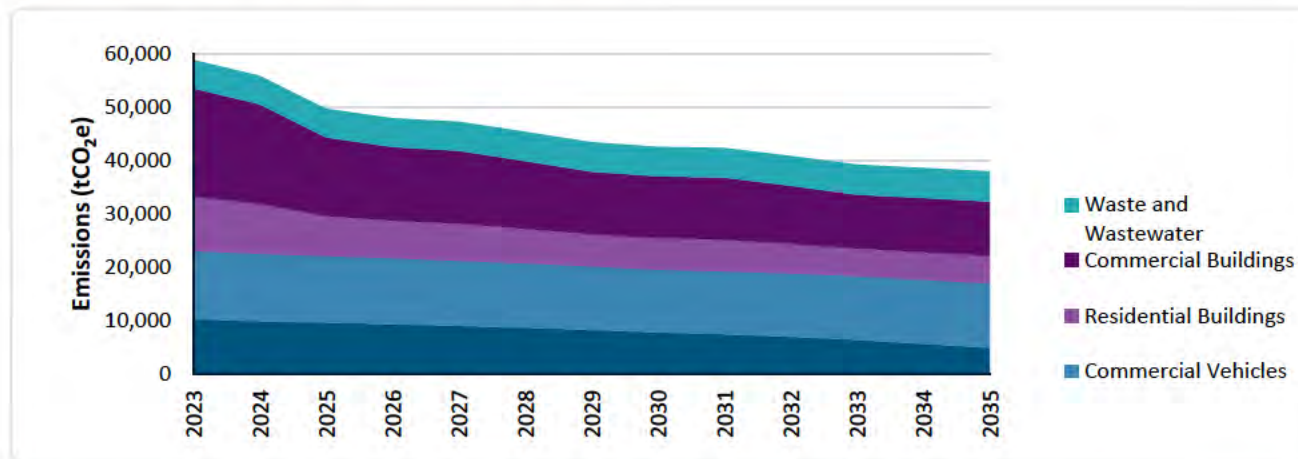
- Changing climate patterns— as warmer winters and hotter summers occur, they will continue to change the way that energy is consumed in buildings i.e. more cooling in the summer and less heating in the winter.
- Likely future impacts of policies already adopted by other orders of government, such as:
  - Renewable and low carbon fuel standards
  - Vehicle tailpipe emissions standards
  - Federal Zero-Emission Vehicle (ZEV) sales mandates requiring 20% of new light-duty vehicle sales to be ZEVs by 2026, 60% by 2030, and 100% by 2035
  - Increasing renewable energy supply in the electricity grid

Figures 10 and 11 show the Town of Pincher Creek's BAU projections by source and sector, using a population growth rate of 1.063%.

**FIGURE 8: INVENTORY AND BAU PROJECTIONS BY EMISSION SOURCE**



**FIGURE 9: INVENTORY AND BAU PROJECTIONS BY SECTOR**



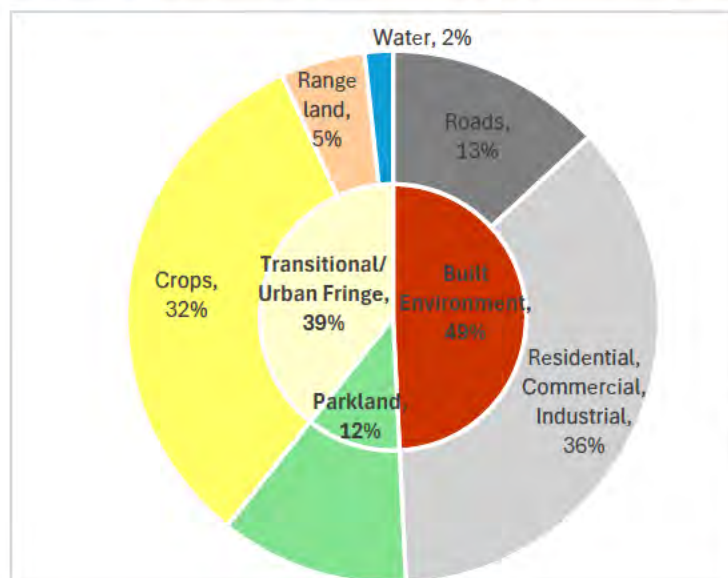
The BAU projections show that emissions are projected to drop from 58,844 tCO<sub>2</sub>e in 2023, to 38,001 tCO<sub>2</sub>e in 2035, a reduction of 35%. Note that reductions in the BAU projection incorporate federal and provincial actions, particularly the Federal zero-emission vehicle mandate and projected electricity emissions factors decreases in Alberta, which are expected to decline from 0.140 GJ/tCO<sub>2</sub>e in 2023 to 0.070 GJ/tCO<sub>2</sub>e in 2025. This accounts for the rapid drop in electricity emissions from 2023 to 2025.

## LAND USE ANALYSIS - TOWN

The change in land use over time plays a key role in GHG emissions. Both human activities such as agriculture and timber harvesting, and natural processes such as wildfires can have an impact on a region’s total GHG inventory. Furthermore, land use management decisions can contribute to a net zero emissions strategy by monitoring and balancing the net exchange of GHG emissions and GHG removals from the region based on land use activity. The calculation of land use-related GHG emissions is outside the scope of this inventory; there are a large number of factors used to estimate agricultural emissions and carbon sequestration rates of farmland, including the type of livestock, management practices (for both crops and livestock), soil types, etc. However, this report provides a breakdown of land use types and areas that can serve as a starting point for further analysis of land use-related GHG emissions.

Land use zoning data was sourced from the Town of Pincher Creek and further verified with satellite data and aerial photo imagery (see Appendix 4 for detailed methodology). Land was grouped into three main categories: the built environment made up of residential/commercial/industrial use lands, parks and open space within the town, and the transitional urban fringe land (with crops, rangeland and water sub-categories). Total land area (hectares) in each category is also summarized in Figure 12 and noted on the map (Figure 13).

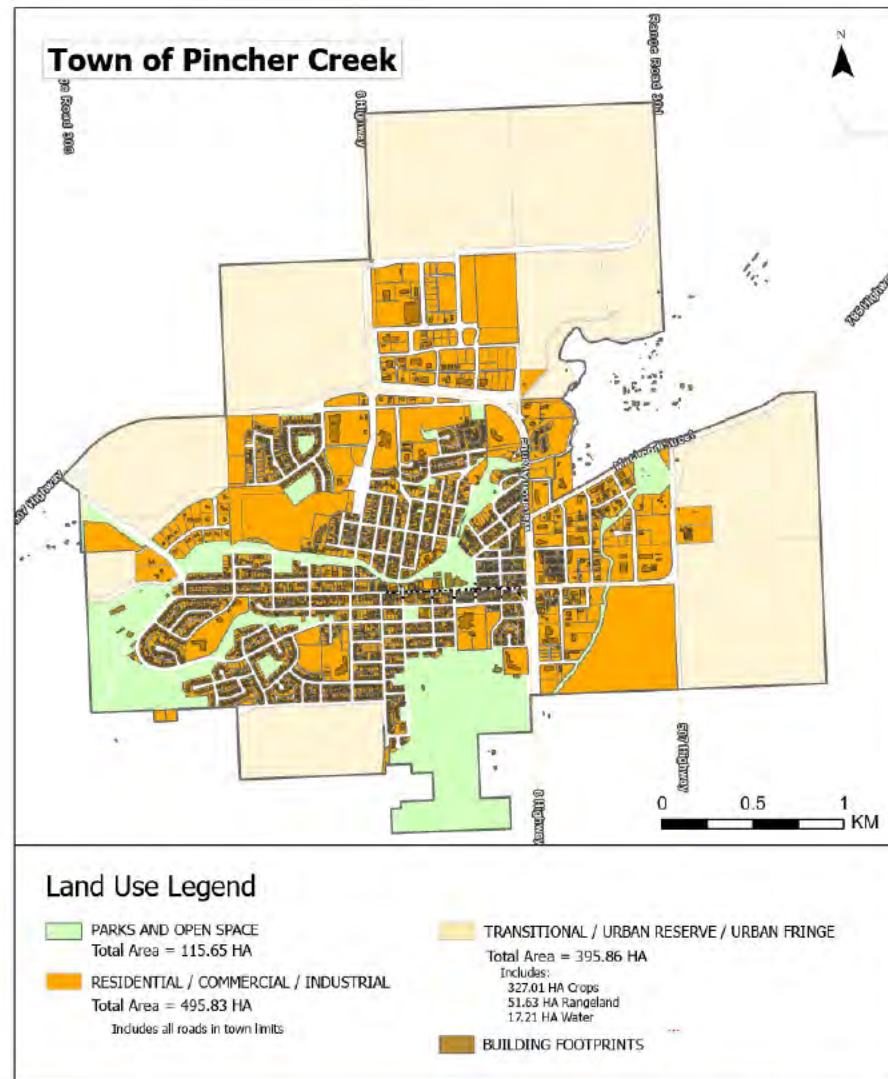
**FIGURE 10: PROPORTION OF EACH LAND USE TYPE BY CATEGORY (BOLD) AND SUB-CATEGORY**



The Town’s land area covers over 1000 hectares and is primarily built environment (49%), with residential, commercial and industrial buildings accounting for almost three-quarters of that, and roads for the remaining portion. The urban fringe covers 39% and is dominated by cropland, followed by rangeland and water. Parkland accounts for 12% of land use within the Town’s boundaries.

Category	Built Environment: 496 ha (49%)		Transitional/Urban Fringe: 396 ha (39%)			Parkland: 116 ha (12%)
Sub-category	Roads: 132 ha (12%)	Residential, Commercial, Industrial: 363 ha (36%)	Crops: 327 ha (32%)	Rangeland: 52 ha (5%)	Water: 17 ha (2%)	n/a





**FIGURE 11: DISTRIBUTION OF LAND USE TYPES IN THE TOWN OF PINCHER CREEK, ALBERTA**



# Municipal District of Pincher Creek Inventory

## COMMUNITY ENERGY PROFILE: CONSUMPTION, EMISSIONS, AND EXPENDITURES

The most recent complete inventory year dataset available from a variety of data sources was 2023. See Appendix 1: Methodology & Assumptions for a full description.

Table 3 provides a snapshot of the total energy consumption, GHG emissions, and energy expenditures in 2023.

**TABLE 3: TOTAL COMMUNITY ENERGY CONSUMPTION, GHG EMISSIONS AND ENERGY EXPENDITURES IN 2023 – MUNICIPAL DISTRICT OF PINCHER CREEK**

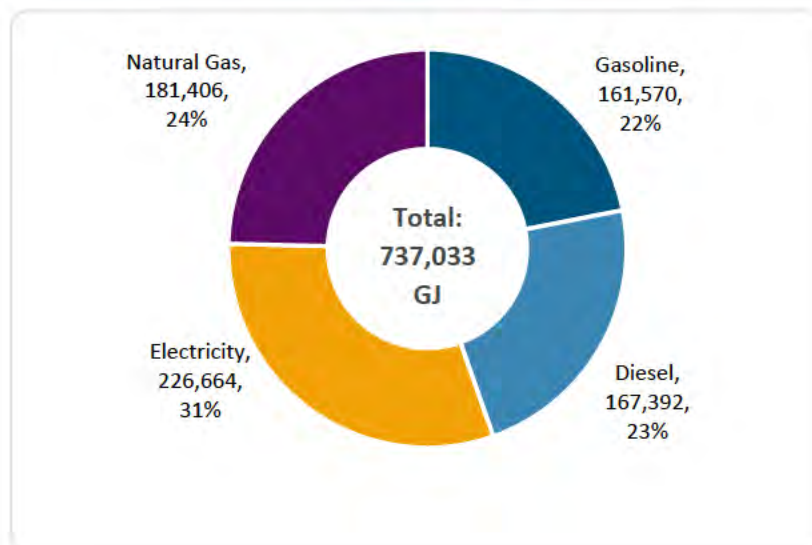
<b>Total energy consumption</b>	737,033 GJ
<b>Total GHG emissions</b>	66,004 tonnes of CO <sub>2</sub> e
<b>Total energy expenditures</b>	\$30,144,966

Note, the M.D. of Pincher Creek’s corporate GHG emissions from municipal operations were 1,443 tCO<sub>2</sub>e in 2022 – which accounts for approximately 2% of community emissions. See Appendix 3: Corporate Emissions Overview for a breakdown of the M.D.’s corporate emissions.

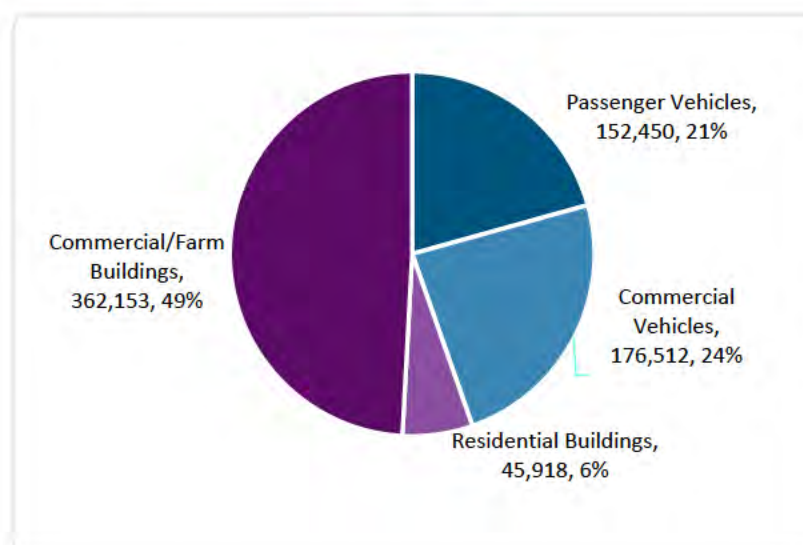
## COMMUNITY ENERGY CONSUMPTION – MUNICIPAL DISTRICT

2023 energy consumption data was analysed by fuel type and by sector, as shown in Figures 14 and 15 below. Total energy consumption was over 737,000 GJ, equivalent to average energy use of approximately 570 GJ per household, or 230 GJ per capita (based on Census data showing 1,285 households in 2021 and Government of Alberta population data of 3,213 residents in 2023-estimate).

**FIGURE 14: 2023 ENERGY USE (GJ) BY SOURCE**



**FIGURE 15: 2023 ENERGY USE (GJ) BY SECTOR**

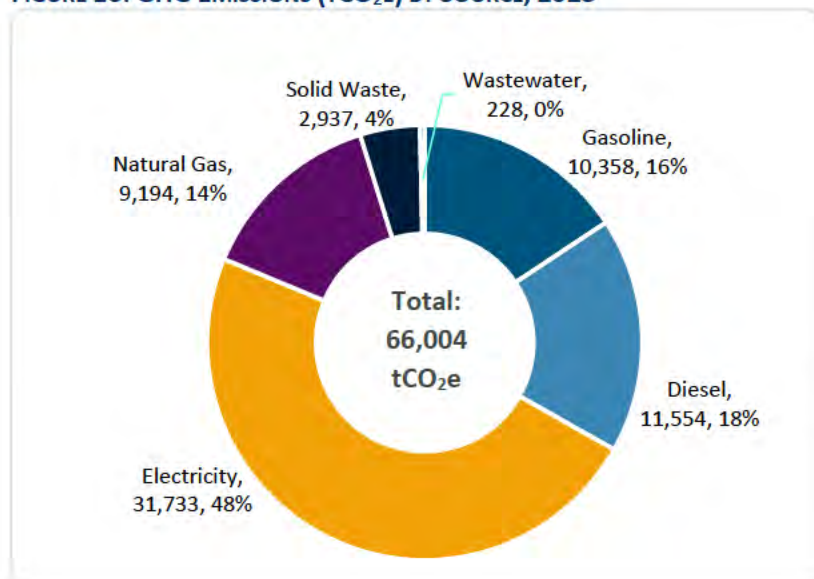


The majority of energy consumption in the M.D. of Pincher Creek is from energy use in buildings (electricity and natural gas are 55% combined), with commercial/farm buildings responsible for nearly 90% of electricity and natural gas use, and residential 10%. This is closely followed by mobility fuels (gasoline & diesel, 45% combined), with commercial vehicles accounting for a slightly larger proportion.

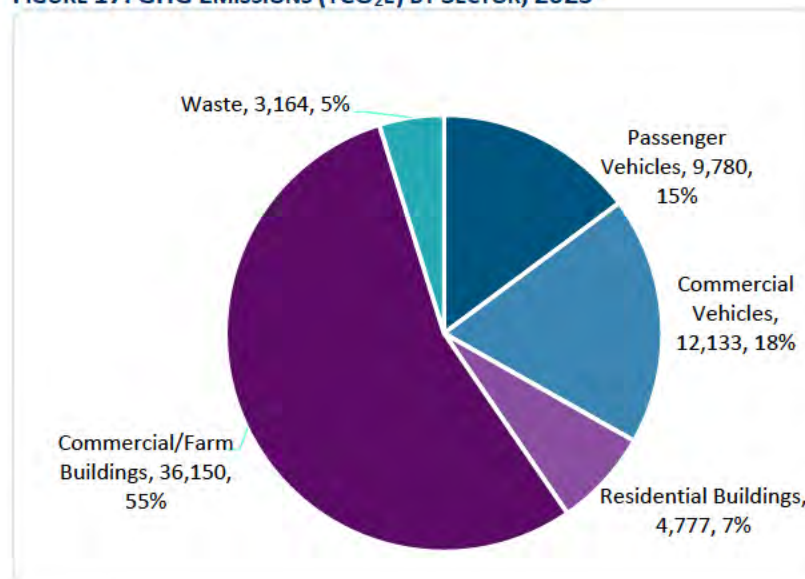
## COMMUNITY GHG EMISSIONS – MUNICIPAL DISTRICT

GHG emissions (in tonnes of CO<sub>2</sub>e) split by source are shown in Figure 16, and by sector in Figure 17. Total GHG emissions were 66,000 tCO<sub>2</sub>e, equivalent to average emissions of just over 50 tCO<sub>2</sub>e per household, or over 20 tCO<sub>2</sub>e per capita, which is 13% higher than the 2021 Canadian per capita average of 17.7 tCO<sub>2</sub>e per person.

**FIGURE 16: GHG EMISSIONS (tCO<sub>2</sub>e) BY SOURCE, 2023**



**FIGURE 17: GHG EMISSIONS (tCO<sub>2</sub>e) BY SECTOR, 2023**



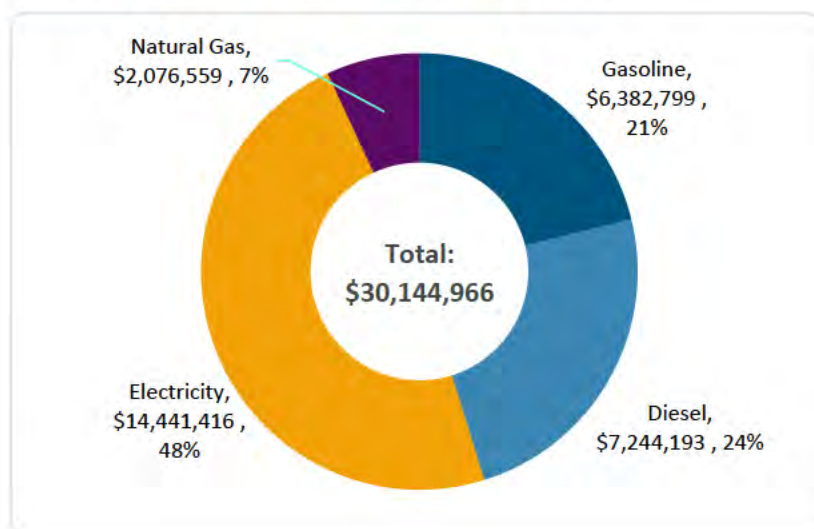
The majority of emissions in the M.D. of Pincher Creek are due to energy use in buildings (electricity and natural gas are 62% combined), followed by mobility fuels (gasoline & diesel, 34% combined). Commercial buildings (i.e. farms, businesses and M.D. facilities) account for a higher proportion of emissions than residential buildings. Similarly, commercial vehicles generate more emissions than passenger vehicles in the community. Waste contributes a moderate proportion at 5%, while wastewater emissions account for 1%.



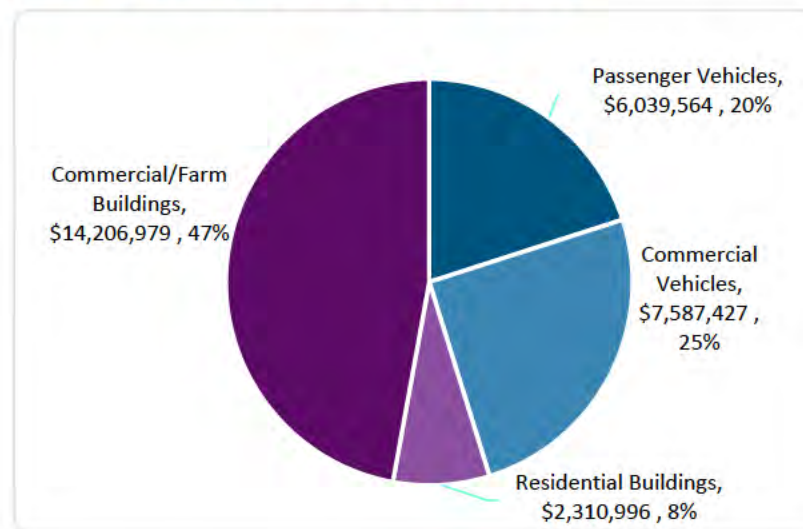
## COMMUNITY ENERGY EXPENDITURES – MUNICIPAL DISTRICT

Community energy costs (\$) are shown by fuel type in Figure 18 and by sector in Figure 19. In 2023, total energy expenditures were over \$30.1 million, equivalent to average annual energy costs of approximately \$23,500 per household, or \$9,400 per resident (including both residential and commercial expenditures).<sup>3</sup> Passenger vehicle only fuel costs were over \$6 million, equivalent to an average of \$4,700 per household, or \$1,900 per resident. Residential only building energy costs were \$2.3 million, equating to an average of approximately \$1,800 per household, or \$720 per resident.

**FIGURE 18: ENERGY EXPENDITURES BY FUEL TYPE, 2023**



**FIGURE 19: ENERGY EXPENDITURES BY SECTOR, 2023**



As per Figure 18, electricity is the largest cost at approximately \$14.4 million (48%), followed by mobility fuels at \$13.6 million (45%), and natural gas at over \$2 million (7%). Commercial/farm buildings account for a much higher proportion of energy costs than residential buildings, although to a lesser degree than for actual consumption, due to access to lower commercial and agricultural energy rates. Fuels for commercial vehicles collectively cost more than for than fuels for passenger vehicles in the community (~\$7.5 million vs ~\$6 million).

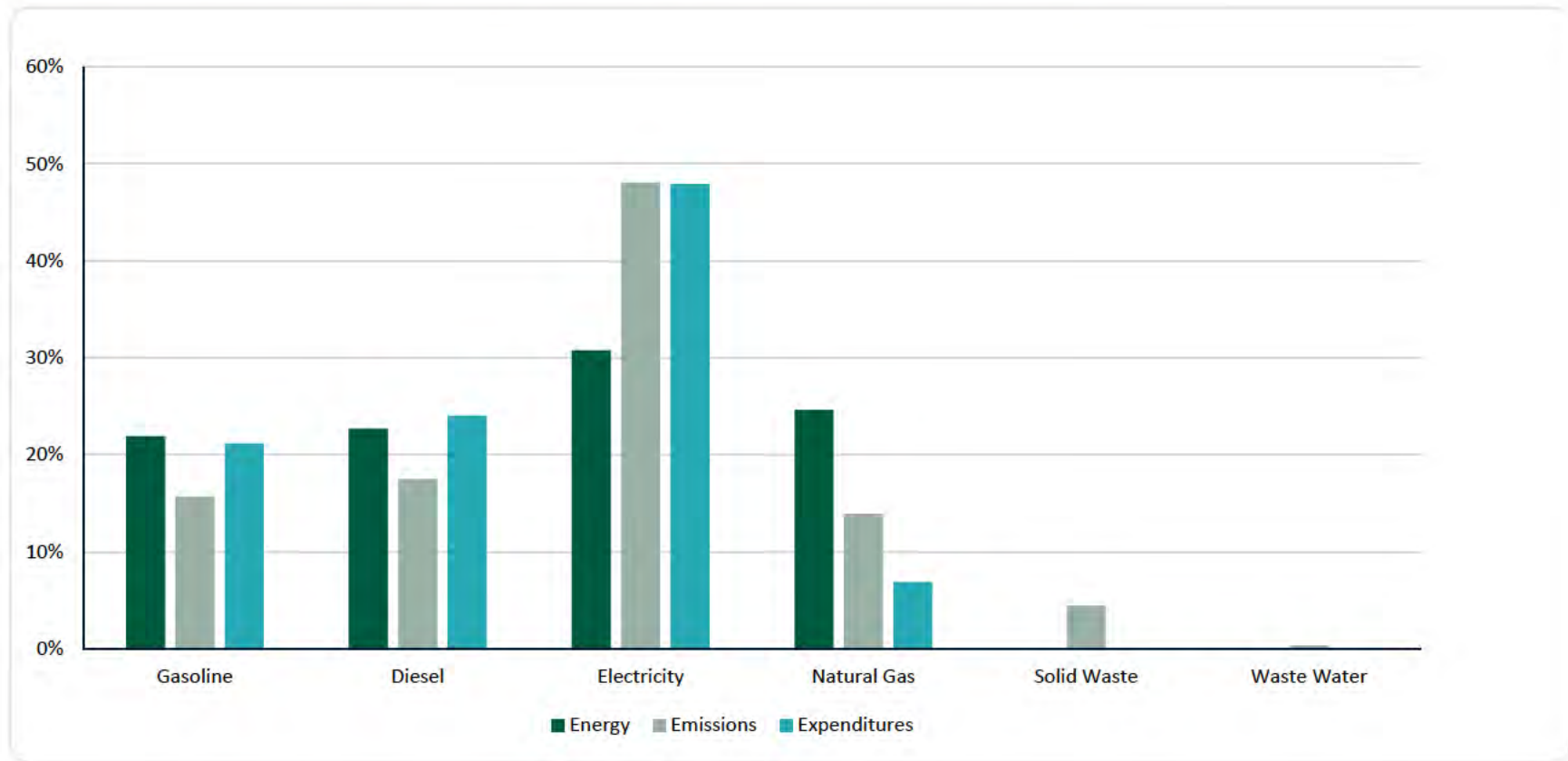
<sup>3</sup> This are 40% higher than the Town's per household energy costs, likely due to the higher energy expenditures of farms/rural properties.



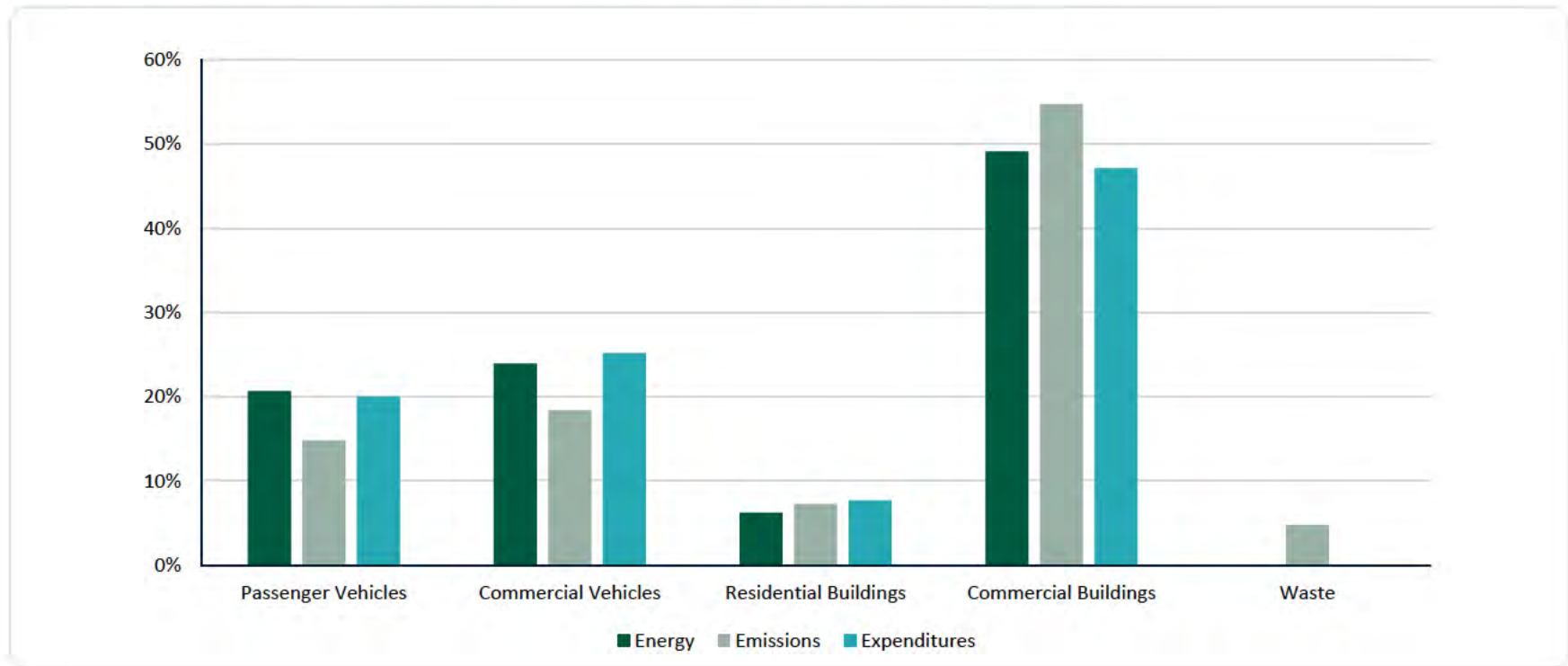
## OVERVIEW – MUNICIPAL DISTRICT:

Figures 20 and 21 show the proportion of energy consumption, emissions, and estimated energy expenditures by source, and by sector.

**FIGURE 12: PERCENTAGE OF ENERGY CONSUMPTION, GHG EMISSIONS AND ENERGY EXPENDITURES BY SOURCE, 2023**



**FIGURE 13: PERCENTAGE OF ENERGY CONSUMPTION, GHG EMISSIONS AND ENERGY EXPENDITURES BY SECTOR, 2023**



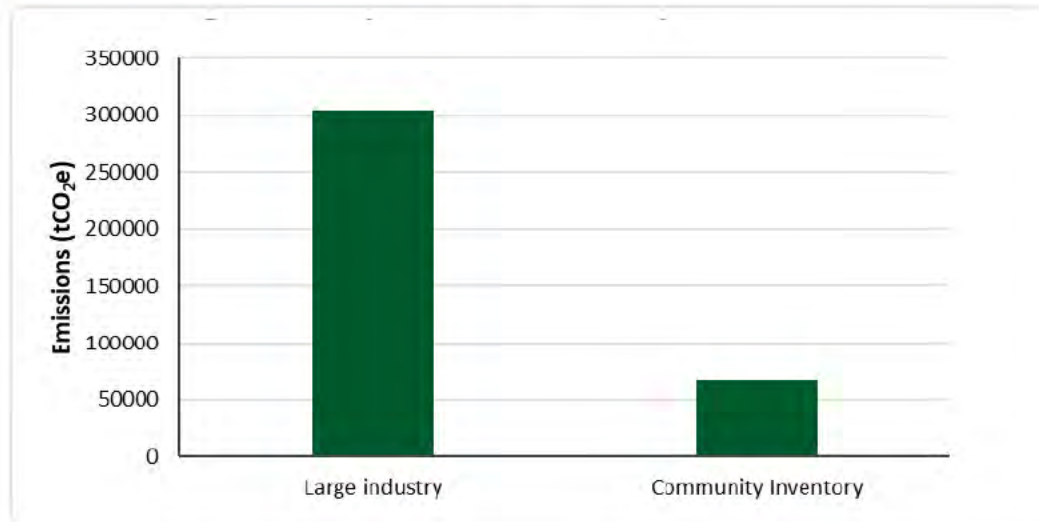
Energy use in buildings contributes the largest proportion of community emissions (62%), and the highest cost (55%). Commercial/farm buildings have the largest proportion of energy consumption at 49%, while also having a share of 55% of emissions and 47% of costs. Residential buildings contribute 6% of consumption, 7% of emissions, and 8% of costs. Mobility fuels are the second largest source of emissions (33%), and the second highest cost (45%).

Landfill methane emissions from waste contribute a moderate portion, at 5%, while emissions from methane and nitrous oxide generated from the wastewater treatment process (2 facultative lagoons, 1 aerobic lagoon, majority of households on septic) and from wastewater discharged to receiving water bodies accounted for 1%. For a full explanation of the methodology, please consult Appendix 1: Methodology & Assumptions.

## LARGE INDUSTRY EMISSIONS – MUNICIPAL DISTRICT

Large industry emitters are those industries which emit a minimum of 10,000 tCO<sub>2</sub>e. In the M.D. of Pincher Creek, there were two facilities that reports emissions as per the Greenhouse Gas Reporting Program (GHGRP): the Waterton Complex, and an associated Compressor Station X, which emitted 288,602 tCO<sub>2</sub>e and 15,776 tCO<sub>2</sub>e in 2022, respectively. These emissions are not included within the Community inventory. Overall, GHG emissions from these sites were 304,379 tCO<sub>2</sub>e, equivalent to 4.6 times the total community emissions (See Figure 22 below). Note that the energy source for emissions is not delineated in public reports, so it is not possible to determine how much of each fuel is used.

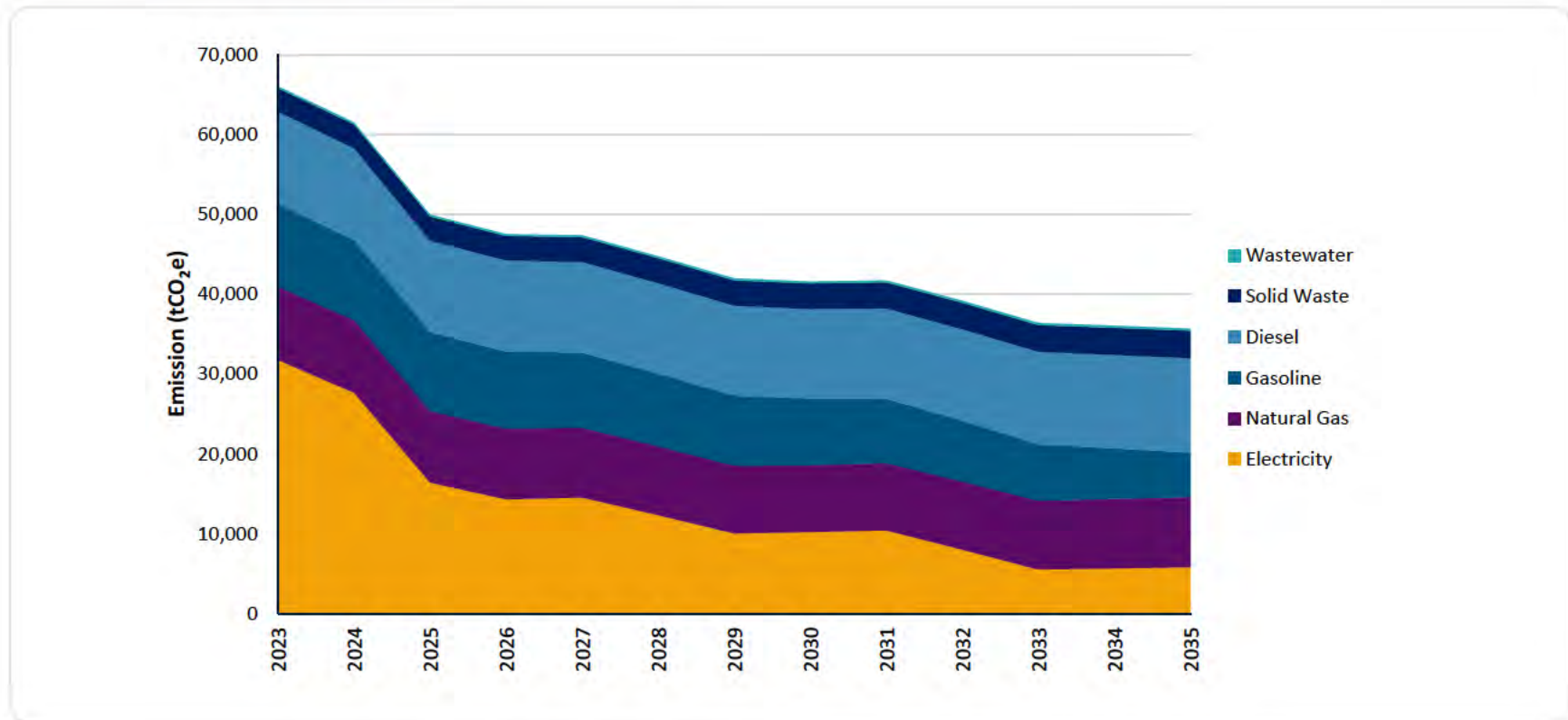
**FIGURE 14: GHG EMISSIONS FROM LARGE INDUSTRY (2022) COMPARED TO M.D. OF PINCHER CREEK COMMUNITY INVENTORY (2023)**



## BUSINESS AS USUAL FORECAST – MUNICIPAL DISTRICT

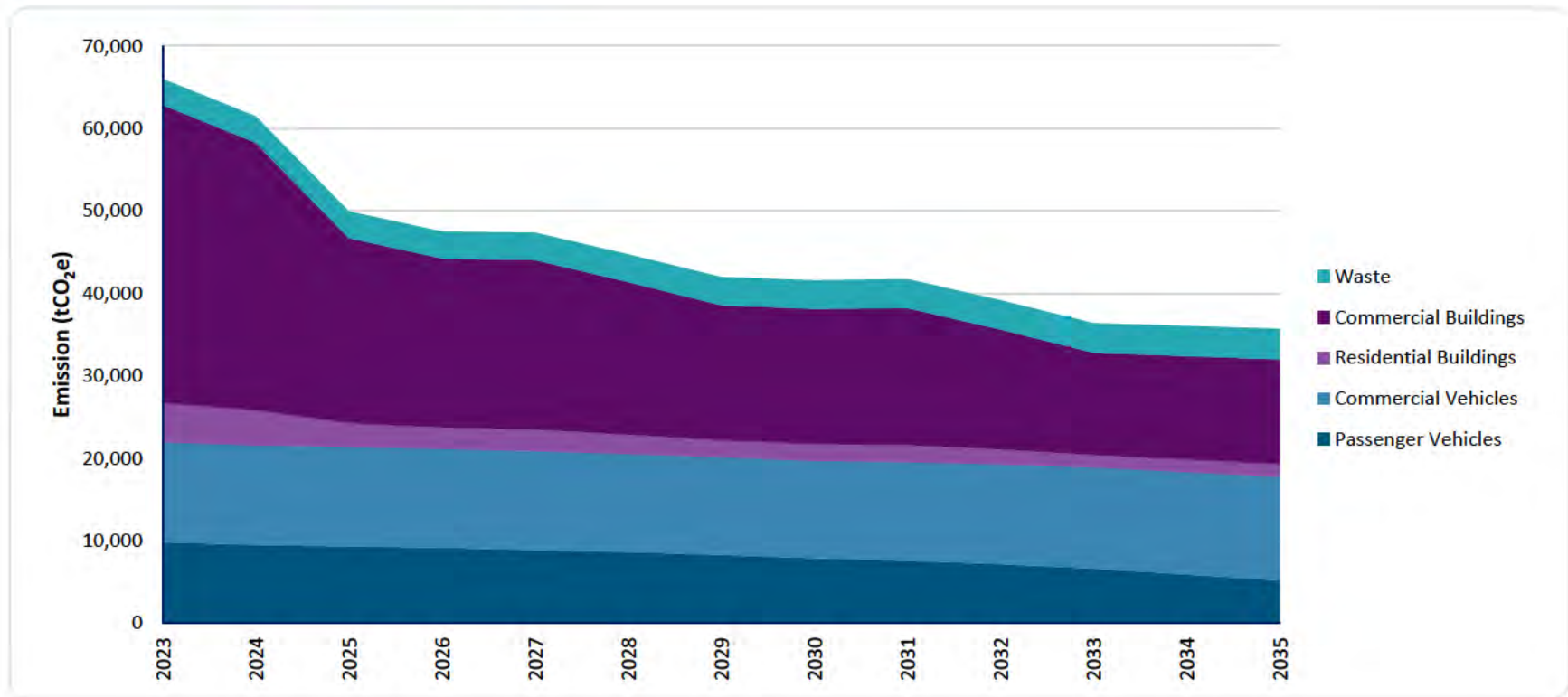
Figure 23 and 24 show the M.D. of Pincher Creek’s BAU projections by source and sector, using a population growth rate of 1.17%.

**FIGURE 15: INVENTORY AND BAU PROJECTIONS BY EMISSIONS SOURCE**





**FIGURE 16: INVENTORY AND BAU PROJECTIONS BY SECTOR**



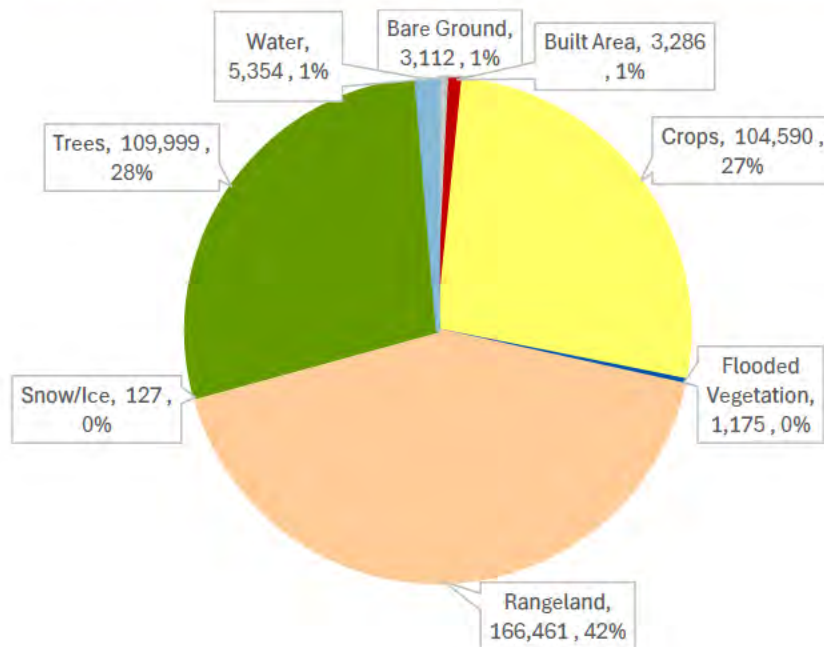
The BAU shows that emissions are projected to drop from 66,004 tCO<sub>2</sub>e in 2023, to 35,680 tCO<sub>2</sub>e in 2035, a reduction of 46%. Note that reductions in the BAU projection incorporate federal and provincial actions, particularly the Federal zero-emission vehicle mandate and projected electricity emissions factors decreases in Alberta. This accounts for the rapid drop in electricity and associated buildings emissions from 2023 to 2025. The M.D.'s inventory shows that electricity is a large proportion of energy use (31%) and emissions (48%).

## LAND USE ANALYSIS – MUNICIPAL DISTRICT

The land use layer for the Municipal District of Pincher Creek was generated using satellite imagery at a 10m resolution using the most recent complete data set for the year 2023 (see Appendix 4 for more detailed methodology). This allowed land use types and distribution to be represented on a map (Figure 26).

From the land use map, the land area in hectares (ha) of each land use type was able to be calculated. Figure 25 shows the proportions of each land use type (excluding cloud cover, which totalled 85 m<sup>2</sup>), over the M.D.'s total 394,104 ha. The predominant land use type in the M.D. was identified as rangeland (42%), followed by trees (28%) and crops (27%). Combined, these three land use types account for 96.7% of the M.D.'s total land area. Year-round water covered 1.4% of the M.D., while seasonally flooded vegetation was only 0.3%. The built area was 3,286 ha, and bare ground 3,112 ha, covering 0.8% of the M.D.'s land area each.

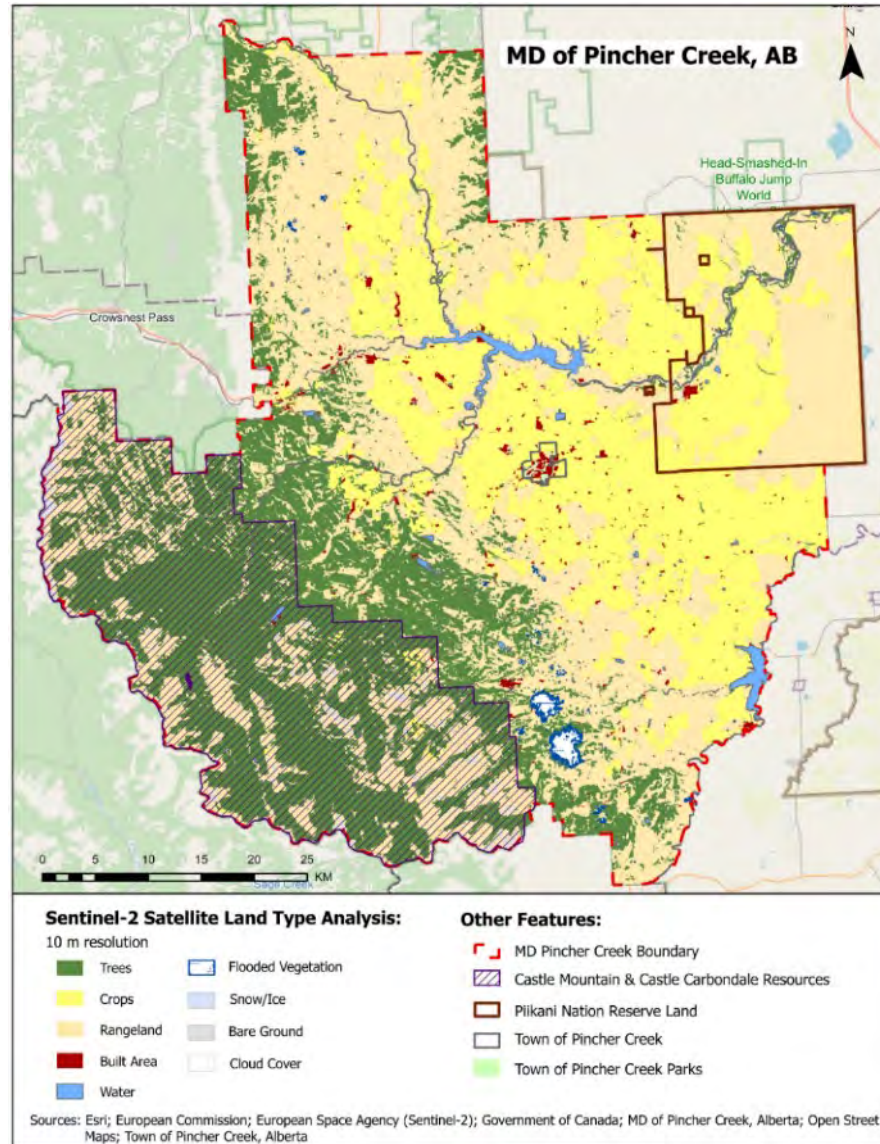
**FIGURE 17: TOTAL AREA (HECTARES) AND PROPORTION OF EACH LAND USE TYPE, 2023**



- **Trees** - Any significant clustering of tall (~15 feet or higher) dense vegetation.
- **Crops** - Human planted/plotted cereals, grasses, and crops not at tree height; e.g.: corn, wheat, soy.
- **Rangeland** - Open areas covered in grasses, wild cereals or scrub, with little to no taller vegetation e.g. pastures, natural meadows and fields, parks.
- **Built Area** - Human made structures; major road and rail networks e.g. houses, dense villages / towns / cities, paved roads, parking lots.
- **Water** - Areas where water was predominantly present throughout the year e.g. rivers, ponds, lakes.
- **Flooded vegetation** - Areas of vegetation with obvious intermixing of water most of the year; seasonally flooded areas.
- **Bare ground** - Areas of rock or soil with very sparse to no vegetation for the entire year e.g. exposed bedrock or soil.
- **Snow/Ice** - Large homogenous areas of permanent snow or ice, typically in mountain areas; e.g. glaciers, permanent snowpack.



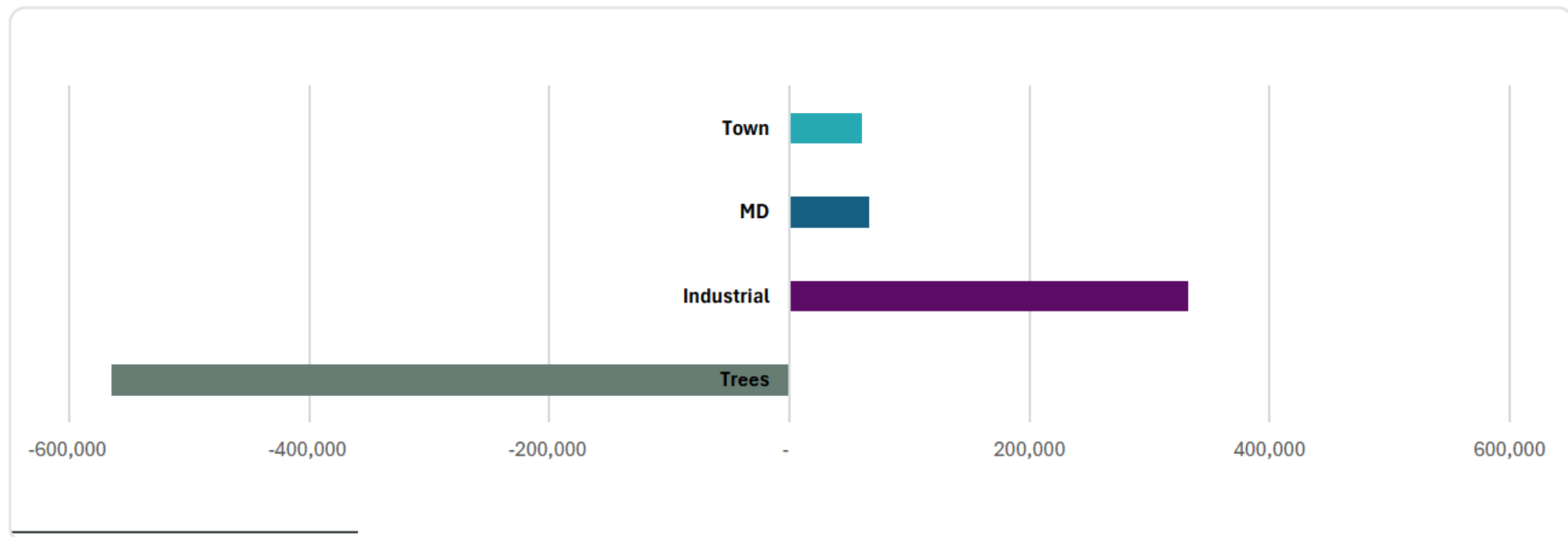
**FIGURE 18: MAP SHOWING THE DISTRIBUTION OF LAND USE TYPES IN THE MUNICIPAL DISTRICT OF PINCHER CREEK, ALBERTA, 2023**



## Carbon Sequestration and Storage

Carbon sequestration and storage potential associated with treed areas of the M.D. was analysed.<sup>4,5</sup> For the total land area categorized as trees in the M.D. - nearly 110,000 hectares - trees are estimated to store nearly 9.3 million tCO<sub>2</sub>e<sup>6</sup> and have a net carbon sequestration value of - 564,667 tCO<sub>2</sub>e/yr (see Appendix 4 for methodology).<sup>7</sup> Compared to the Town and MD inventories, this is a much larger sink than the GHG emissions of the two communities combined, as well as industrial emissions that are reported in the region (see Figure 27). This underscores the importance of retaining and enhancing forested areas to offset carbon emissions.

**FIGURE 19: ANNUAL CARBON SEQUESTRATION FROM TREES (tCO<sub>2</sub>E/YR) VS GHG EMISSIONS (tCO<sub>2</sub>E/YR) IN THE PINCHER CREEK REGION**



<sup>4</sup> Rangeland and crops were not analyzed, as further information would be required on soil types, livestock, agricultural management practices etc.

<sup>5</sup> There were limitations to the methodology used, and our estimates for the reduction by trees may be conservative. CEA applied a single rate for carbon sequestration and storage to the entire treed region, regardless of the age and composition of tree stands. For a more accurate estimate, further information about the composition and age of treed areas would be needed. British Columbia Montane Cordillera carbon sequestration and storage rates were chosen for this analysis, as the majority of treed areas are in higher elevation parts of the M.D. Prairies rates for carbon sequestration and storage are higher, but apply at lower elevations and so using them could lead to significant overestimation.

<sup>6</sup> Montane Cordillera carbon storage rate of 23 t C/ha, converted to CO<sub>2</sub>e using the 44/12 conversion factor.

<sup>7</sup> Montane Cordillera carbon sequestration rate of 1.4 t C/ha/yr, converted to CO<sub>2</sub>e using the 44/12 conversion factor.



# Next Steps

As part of the Net Zero Community Accelerator Program, the Town and M.D. of Pincher Creek have completed this GHG inventory, Energy Mapping, and Action Plan development.

The region of Pincher Creek will participate in the following further NCA Program activities:

- a Community Energy Plan Implementation workshop, focussing on developing a governance structure, action plan, performance measurement process (i.e., KPIs and data management), and communication plan;
- an Economic Impact Assessment, which provides an understanding of the economic development and job creation potential over the lifespan of the Community Energy and Emissions Plan.

The enclosed GHG inventory data will inform strategic directions developed during the NCA process, and serve as a baseline for community energy and emissions, against which future inventories can be compared to assess progress towards reducing community GHG emissions and energy costs.

# Glossary

BAU	Business as Usual
CDD	Cooling Degree Day
CH <sub>4</sub>	Methane
CO <sub>2</sub> e	Carbon Dioxide equivalent
EV	Electric Vehicle
GHG	Greenhouse Gas (there are several different anthropogenic GHGs and they have different relative impacts. When tonnes of GHGs are stated in the document the standard practice of stating this in equivalent of tonnes of carbon dioxide is followed.)
GHGRP	Greenhouse Gas Reporting Program
GJ	Gigajoules (one of the standard measures of energy)
HDD	Heating Degree Day
IPCC	Intergovernmental Panel on Climate Change (an intergovernmental body of the United Nations dedicated to providing the world with an objective science-based view of climate change, its possible impacts, risks, and response options)
kWh	Kilowatt hours (standard measure of energy, typically used with electricity)
NCA	Net-Zero Communities Accelerator
RCP	Representative Concentration Pathway (four RCPs were adopted by the IPCC as scenarios for the 2014 Fifth Assessment Report, depending on how much GHGs are emitted in future years)

# Appendices

## Appendix 1: Methodology & Assumptions

### INVENTORY METHODOLOGY

**TABLE A1: DATA SOURCES FOR ENERGY CONSUMPTION AND EXPENDITURES, BY ENERGY TYPE**

Energy Type	Energy Consumption Data Source	Cost Data Source
Electricity	Consumption (kWh) and breakdown by sector provided by Fortis.	Estimated based on rates posted on <a href="#">UCA Helps</a>
Natural Gas	Consumption (GJ) provided by Apex Utilities and Chief Mountain Gas Co-op Ltd.. Breakdown by sector estimated based on electricity breakdown	Estimated based on rates posted on <a href="#">UCA Helps</a> data
Gasoline and Diesel	<p>Estimated based on the <a href="#">National Inventory Report (NIR)</a>, <a href="#">Census</a>, and community vehicle registrations provided by Alberta Registries Motor Vehicles Division</p> <ul style="list-style-type: none"> <li>- Vehicle registration data appeared to be skewed towards the Town despite the fact that population is split 51/49. Vehicle registrations and GHGs were combined and then distributed based on population.</li> </ul> <p>Off-road vehicles and farm equipment are not included.</p>	<a href="#">NRCan Monthly Average Retail Prices</a> for gasoline and diesel in Lethbridge in 2023

**TABLE A2: GHG EMISSIONS DATA SOURCE AND/OR METHODOLOGY, PER SECTOR**

Sector	GHG Emissions Data Source and/or Methodology
Waste	<ul style="list-style-type: none"> <li>• Tonnage of waste disposed in landfills was provided by the Town and MD.</li> <li>• Emissions were calculated using the methane commitment method, as outlined in the <a href="#">Global Protocol for Community-Scale Greenhouse Gas Inventories</a>.</li> </ul>

Wastewater	<ul style="list-style-type: none"> <li>• Methane (CH<sub>4</sub>) and Nitrous Oxide (N<sub>2</sub>O) emissions from the wastewater treatment process and from wastewater discharged to receiving water bodies were calculated, using the <a href="#">NIR Annex 3.6: Methodology for Waste Sector</a>. There was no on-site anaerobic digestion of sludge reported at any of the wastewater treatment facilities, therefore emissions relating to sludge were not calculated.</li> <li>• This methodology uses standardized emissions factors based on the type of wastewater treatment system, and for the organic load, a BOD5 value of 0.06 kg per capita per day. An estimate was calculated based on the treatment type and the size of the population that each treatment system serves.</li> <li>• To convert to tCO<sub>2</sub>e, the following Global Warming Potentials were applied: Methane (CH<sub>4</sub>): 25; Nitrous Oxide (N<sub>2</sub>O): 298</li> </ul>
Industrial	<p>Emissions were sourced from the <a href="#">Greenhouse Gas Reporting Program (GHGRP)</a>.</p> <ul style="list-style-type: none"> <li>• Emissions from the wind farms were excluded as they were from on-site transportation, rather than fuel combustion, flaring, leakage, etc.</li> </ul>

**TABLE A3: EMISSIONS FACTORS (SOURCED FROM THE NATIONAL INVENTORY REPORT).**

Vehicle, Fuel and/or Energy Type	Emissions Factor (tCO <sub>2</sub> e/GJ)
Light-duty Gasoline Vehicles (LDGVs)	0.0662
Light-duty Gasoline Trucks (LDGTs)	0.0662
Heavy-duty Gasoline Vehicles (HDGVs)	0.0677
Light-duty Diesel Vehicles (LDDVs)	0.0717
Light-duty Diesel Trucks (LDDTs)	0.0717
Heavy-duty Diesel Vehicles (HDDVs)	0.0712
Motorcycles	0.0668
Natural Gas	0.0529
Electricity	0.136



## Additional Notes

- Electricity and natural gas supplied to industrial customers by the utility was grouped with commercial buildings. Large industrial emissions reported to the GHGRP were included separately.
- Transportation only includes road transportation and excludes other transportation such as off-road, aviation, railway, etc.
- Population data was sourced from the [Alberta Regional Dashboard](#), which showed population estimates for 2023 at the time of data analysis. As the report was being finalized, these numbers were updated, and therefore differ from those which were used in the inventory. Numbers of households were sourced from 2021 Census data.
- Energy and fuel use related to wastewater treatment facilities is accounted for in the community-wide energy and fuel emissions data.

## BUSINESS AS USUAL PROJECTIONS ASSUMPTIONS

The assumption is that energy consumption and emissions will increase proportionally with increases to population, although the impact of policies from higher levels of government are also incorporated, and other assumptions. Only policies that have already been adopted and that will have quantifiable impacts are incorporated. The population is estimated to increase by 1.063% annually for the town and 1.17% annually for the M.D., based on the average annual increase between 2016 and 2021 Census data.

Assumptions related to projections are as follows:

- The Renewable Electricity Act to incent the generation of renewable electricity in Alberta and ensure that by the end of 2030 at least 30% of the electric energy produced in Alberta will be produced from renewable energy resources. Projected electricity emissions factors were sourced from the Environment and Climate Change Canada [electricity grid intensities projections](#) and adjusted to align with the current electricity emissions factor.
- Federal tailpipe emissions standards: new light duty vehicle emissions decline from 200 g CO<sub>2</sub>e/km in 2015 to 119 g CO<sub>2</sub>e/km in 2025 (Federal policy). This is for new vehicles, and is included in the projections taking account of vehicle turnover rates
- The Federal Government's Zero Emission Vehicle Mandate of 100% of new vehicles by 2035. From the impacts of this, in our BAU scenario we assume that the proportion of electric vehicles on Alberta roads will be:
  - 4% in 2025
  - 18% in 2030
  - 52% in 2035

- The federal carbon intensity standard of fossil liquid fuel is to be reduced by 0.01 tCO<sub>2</sub>e /GJ by 2030 from 2016. This includes natural gas, gasoline, diesel, propane, heating oil, and wood (solid biomass).
- The federal government’s plan to phase out oil-fired furnaces in new buildings as early as 2028.
- How the impacts of a changing climate will affect building energy consumption:
  - Climate change data for the region was obtained from ClimateData.ca. CEA obtained this from the “downloads” section of the website, selected the BCCAQv2 (annual) dataset, Heating Degree Days (HDD’s) or Cooling Degree Days (CDD’s) variables, and the location on the map to be analysed
  - Projected global emissions to 2030 currently places the world in the range for the IPCC’s Fifth Assessment Report’s Representative Concentration Pathway (RCP) 6.0 scenario. As RCP 6.0 scenario not available on ClimateData.ca, RCP 4.5 (median values) were used as a proxy even though this is a more conservative scenario
  - Decreases in residential and commercial natural gas consumption are assumed to be proportional to decreases in HDD’s and the proportions of natural gas consumed for space heating for each sector, with this data obtained from the Navigant 2017 Conservation Potential Review for FortisBC Gas
  - Based on ClimateData.ca RCP 4.5 median values, the 30-year average of HDDs around 2023 are 4,643, and in 2050 they will be 4,093
  - Decreases in residential and commercial electricity consumption are assumed to be proportional to decreases in HDD’s and the proportions of electricity consumed for space heating for each sector. However, for residential this is partially offset by, and for commercial more than offset by the proportions of electricity consumed for space cooling by each sector and how this will increase proportional to projected increases to CDDs. These proportions were obtained from the Navigant 2016 Conservation Potential Review for BC Hydro
  - Based on ClimateData.ca RCP 4.5 median values, the 30-year average of CDDs around 2023 are 68, and in 2050 they will be 161

## Appendix 2: Raw Data

### TOWN OF PINCHER CREEK RAW DATA

This appendix contains the raw energy & emissions inventory data for 2023. Tables B1 and B2 show 2023 Town of Pincher Creek Energy (GJ), Emissions (tCO<sub>2</sub>e) and Costs (\$), by Source and by Sector. Note: large industry emissions are excluded, and amounted to 26,987 tCO<sub>2</sub>e in 2022.

**TABLE B1: 2023 TOWN OF PINCHER CREEK ENERGY (GJ), EMISSIONS (tCO<sub>2</sub>e) AND COSTS (\$), BY SOURCE**

Source	Energy (GJ)	Emissions (tCO <sub>2</sub> e)	Costs (\$)
Electricity	110,635	15,059	\$ 7,528,093
Natural Gas	294,785	15,596	\$ 3,590,703
Gasoline	169,965	11,276	\$ 6,714,446
Diesel	176,090	12,546	\$ 7,620,598
Waste		4,620	
Wastewater		744	
<b>Total</b>	<b>751,475</b>	<b>59,840</b>	<b>25,453,840</b>

**TABLE B2: 2023 TOWN OF PINCHER CREEK ENERGY (GJ), EMISSIONS (tCO<sub>2</sub>e) AND COSTS (\$), BY SECTOR**

Sector	Energy (GJ)	Emissions (tCO <sub>2</sub> e)	Costs (\$)
Residential Buildings	137,381	10,297	\$ 4,151,067
Commercial Buildings	268,039	20,358	\$ 6,967,729
Passenger Vehicles	160,372	10,646	\$ 6,353,378
Commercial Vehicles	185,684	13,176	\$ 7,981,667
Waste & Wastewater	-	5,364	\$ -
<b>Total</b>	<b>751,475</b>	<b>59,840</b>	<b>\$ 25,453,840</b>

## MUNICIPAL DISTRICT OF PINCHER CREEK RAW DATA

Tables B3 and B4 show 2023 M.D. of Pincher Creek Energy (GJ), Emissions (tCO<sub>2</sub>e) and Costs (\$), by Source and by Sector. Note: large industry emissions are excluded and amounted to 304,379 tCO<sub>2</sub>e in 2022.

**TABLE B3: 2023 M.D. OF PINCHER CREEK ENERGY (GJ), EMISSIONS (tCO<sub>2</sub>e) AND COSTS (\$), BY SOURCE**

Source	Energy (GJ)	Emissions (tCO <sub>2</sub> e)	Costs (\$)
Electricity	226,664	30,852	\$ 14,441,416
Natural Gas	181,406	9,597	\$ 2,076,559
Gasoline	161,570	10,719	\$ 6,382,799
Diesel	167,392	11,926	\$ 7,244,193
Waste		2,937	
Wastewater		228	
	737,033	66,258	30,144,966

**TABLE B4: 2023 M.D. OF PINCHER CREEK ENERGY (GJ), EMISSIONS (tCO<sub>2</sub>e) AND COSTS (\$), BY SECTOR**

Sector	Energy (GJ)	Emissions (tCO <sub>2</sub> e)	Costs (\$)
Residential Buildings	45,918	4,712	\$ 2,310,996
Commercial Buildings	362,153	35,737	\$ 14,206,979
Passenger Vehicles	152,450	10,120	\$ 6,039,564
Commercial Vehicles	176,512	12,525	\$ 7,587,427
Waste & Wastewater	-	3,164	\$ -
	737,033	66,258	\$ 30,144,966



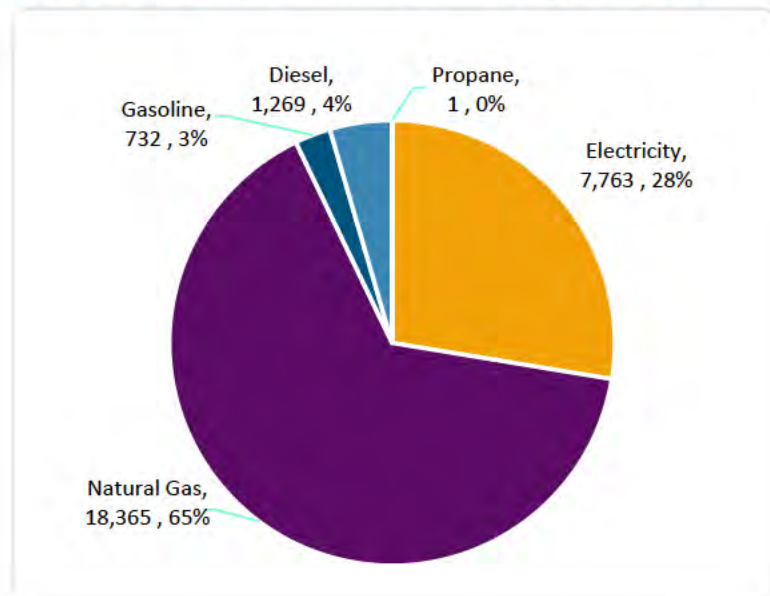
## Appendix 3: Corporate Energy and Emissions Overview

### TOWN OF PINCHER CREEK CORPORATE ENERGY AND EMISSIONS

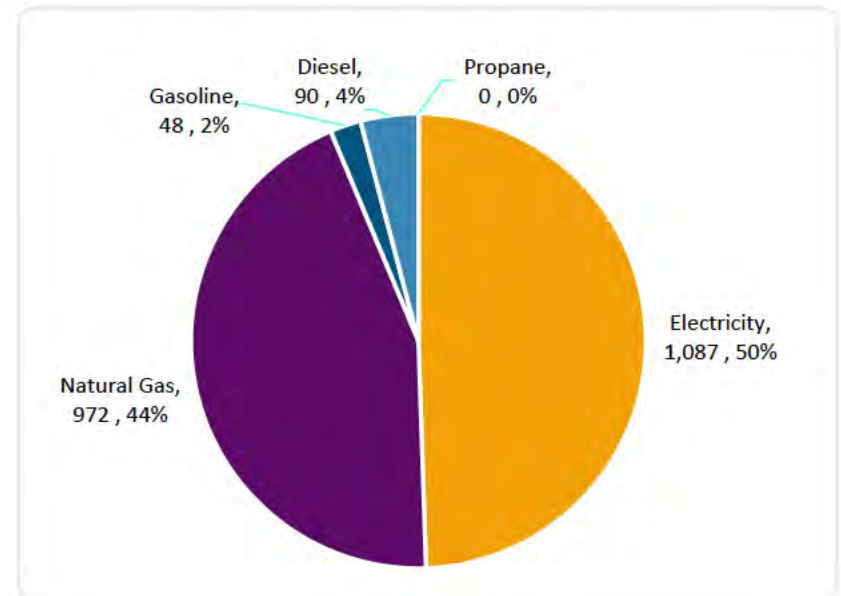
The Town of Pincher Creek supplied data on energy use from municipal operations, such as fuels used for fleet vehicles and natural gas and electricity use for Town buildings and facilities, and infrastructure. Total energy use was 28,130 GJ and GHG emissions were 2,197 tCO<sub>2</sub>e in 2021, equivalent to 4% of total community energy use and 4% of emissions.

Figures C1 and C2 show that the majority of energy use and emissions are from use of natural gas and electricity in buildings and infrastructure (93% of energy use and 94% of emissions), with transportation fuels accounting for the remainder. The largest energy-consuming local government buildings in the region are the Arena and Multipurpose facility which are located within and operated by the Town. Water treatment facilities in the Town and MD respectively are the next largest energy users.

**FIGURE C1: 2021 TOWN CORPORATE ENERGY USE (GJ) BY SOURCE**



**FIGURE C2: 2021 TOWN CORPORATE EMISSIONS (tCO<sub>2</sub>e) BY SOURCE**

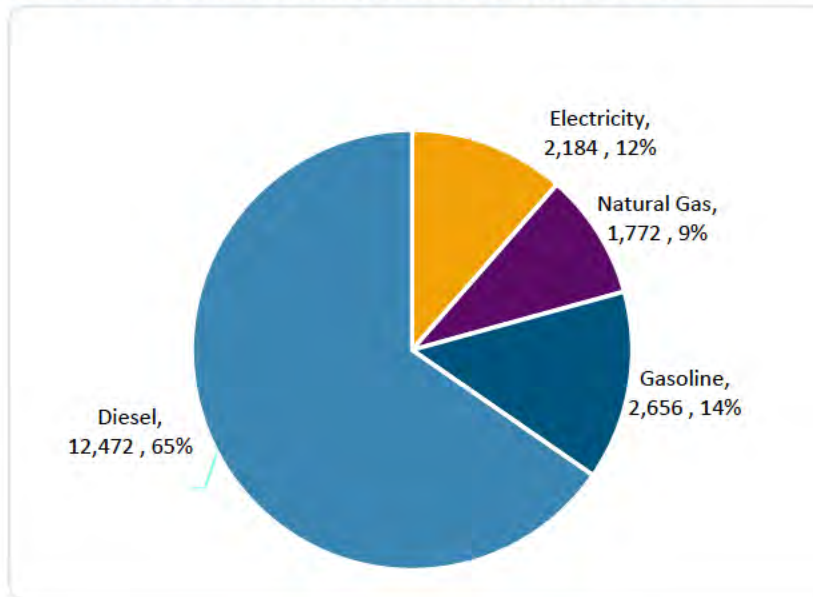


## MUNICIPAL DISTRICT OF PINCHER CREEK CORPORATE ENERGY AND EMISSIONS

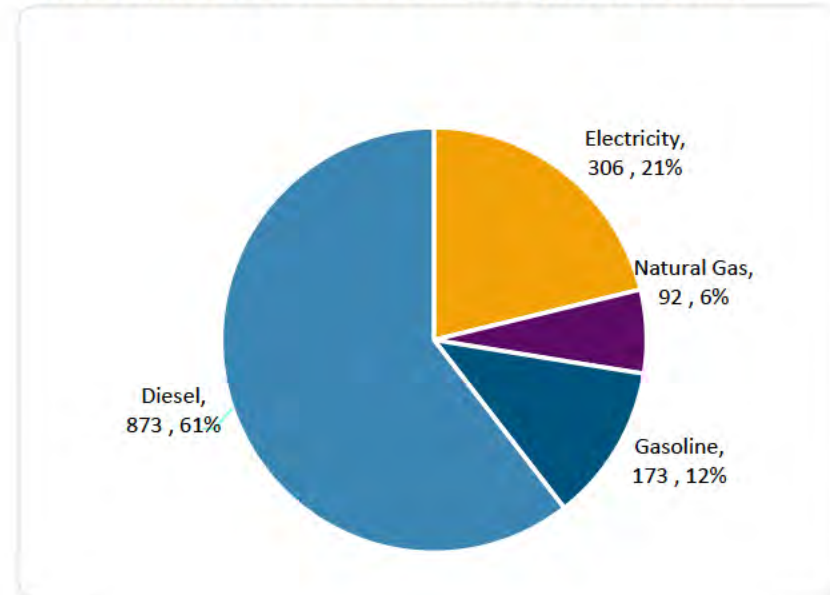
The M.D. of Pincher Creek supplied data on energy use from municipal operations, such as fuels used for fleet vehicles and natural gas and electricity use for Town buildings and facilities, and infrastructure. Total energy use was 19,084 GJ and emissions were 1,443 tCO<sub>2</sub>e in 2022, equivalent to 3% of total community energy use and 2% of emissions.

Figures C3 and C4 show that, in contrast to the Town, fleet fuels were responsible for the majority of energy use (79%) emissions (73%). The M.D. operates fewer energy-intensive buildings (such as an arena or pool) compared to the Town, meanwhile fleet vehicles drive longer distances to service the M.D, e.g. clearing/maintaining road infrastructure.

**FIGURE C3: 2022 M.D. CORPORATE ENERGY USE (GJ) BY SOURCE**



**FIGURE C4: 2022 M.D. CORPORATE EMISSIONS (tCO<sub>2</sub>e) BY SOURCE**



# Appendix 4: Land Use Methodology and Raw Data

## Land Use Methodology

### Town of Pincher Creek

Land use zoning data was sourced from the Town of Pincher Creek and further verified with satellite data and aerial photo imagery provided by ESRI Canada, the European Space Agency, and Google Maps. Land was grouped into three main categories: the built environment made up of residential/commercial/industrial use lands, parks and open space within the town, and the transitional urban fringe land mainly found on the outskirts of Pincher Creek. Within the transitional urban fringe land, crops, rangeland and water sub-categories were identified.

### M.D. of Pincher Creek

The land use layer for the Municipal District of Pincher Creek was generated using a layer series from ESRI derived from the European Space Agency Sentinel-2 satellite imagery at a 10m resolution using the most recent complete data set for the year 2023. These land use data layers are generated with a deep learning AI land classification model that uses surface reflectance data in the visible blue, green, red, near infrared, and two shortwave infrared bands. To create the final data layers, the model is run on multiple dates of imagery throughout a year, and the outputs are consolidated into a final representative map for each year.

### Carbon Sequestration Estimates

Carbon sequestration rates for trees were sourced from the Federal Government's National Inventory Report.<sup>8</sup> These were provided in t C/ha/yr (tonnes of carbon per hectare per year), therefore the conversion factor of 44/12 was applied to create a tCO<sub>2</sub>e/ha/yr rate. The Montane Cordillera rate was chosen, due to the majority of forested areas in the M.D. being at higher elevations. For a more accurate estimate of carbon sequestration and storage, more information on the age and composition of forested areas would be necessary.

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<sup>8</sup> Government of Canada, National Inventory Report – 2024 Edition Part 2, Annex 6 Emission Factors, p.301 [https://data-donnees.az.ec.gc.ca/api/file?path=%2Fsubstances%2Fmonitor%2Fcanada-s-official-greenhouse-gas-inventory%2FD-Emission-Factors%2FEN\\_Annex6\\_Emission\\_Factors.pdf](https://data-donnees.az.ec.gc.ca/api/file?path=%2Fsubstances%2Fmonitor%2Fcanada-s-official-greenhouse-gas-inventory%2FD-Emission-Factors%2FEN_Annex6_Emission_Factors.pdf)

## Descriptions of Land Use Categories<sup>9</sup>

**Trees** - Any significant clustering of tall (~15 feet or higher) dense vegetation.

**Crops** - Human planted/plotted cereals, grasses, and crops not at tree height; e.g.: corn, wheat, soy.

**Rangeland** - Open areas covered in grasses, wild cereals or scrub, with little to no taller vegetation and no obvious human plotting e.g. pastures, natural meadows and fields, parks.

**Built Area** - Human made structures; major road and rail networks; large homogenous impervious surfaces e.g. houses, dense villages / towns / cities, paved roads, parking lots.

**Water** - Areas where water was predominantly present throughout the year e.g. rivers, ponds, lakes.

**Flooded vegetation** - Areas of any type of vegetation with obvious intermixing of water throughout most of the year; seasonally flooded area.

**Bare ground** - Areas of rock or soil with very sparse to no vegetation for the entire year e.g. exposed bedrock or soil.

**Snow/Ice** - Large homogenous areas of permanent snow or ice, typically only in mountain areas or highest latitudes; examples: glaciers, permanent snowpack, snow fields.

**Cloud Cover** - No land cover information due to persistent cloud cover.

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<sup>9</sup> Source: Sentinel-2 10m Land Use/Land Cover Time Series - [https://ic.imagery1.arcgis.com/arcgis/rest/services/Sentinel2\\_10m\\_LandCover/ImageServer](https://ic.imagery1.arcgis.com/arcgis/rest/services/Sentinel2_10m_LandCover/ImageServer)



## Land Use Raw Data

**TABLE D1: LAND USE CATEGORIES, AREA TOTALS AND PERCENTAGES IN THE TOWN OF PINCHER CREEK**

Land Use Category	Total Area (Hectares)	Percentage of Total Land Area
<b>Built Environment</b>	<b>495.83</b>	<b>49.2%</b>
<i>Including all roads within Pincher Creek</i>		
<b>Parks &amp; Open Space</b>	<b>115.65</b>	<b>11.5%</b>
<b>Transitional/Urban Fringe</b>	<b>395.86</b>	<b>39.3%</b>
<i>Crops</i>	<i>327.01</i>	
<i>Rangeland</i>	<i>51.63</i>	
<i>Water</i>	<i>17.21</i>	
<b>TOTAL</b>	<b>1,007.34</b>	<b>100%</b>

**TABLE D2: LAND USE CATEGORIES, AREA TOTALS AND PERCENTAGES IN THE MUNICIPAL DISTRICT OF PINCHER CREEK**

Land Use Category	Total Area (Hectares)*	Percentage of Total Land Area
<b>Bare Ground</b>	<b>3,112.16</b>	<b>0.8%</b>
<b>Built Area</b>	<b>3,285.51</b>	<b>0.8%</b>
<b>Clouds</b>	<b>0.01</b>	<b>&lt;0.1%</b>
<b>Crops</b>	<b>104,589.60</b>	<b>26.5%</b>
<b>Flooded Vegetation</b>	<b>1,174.77</b>	<b>0.3%</b>
<b>Rangeland</b>	<b>166,461.40</b>	<b>42.2%</b>
<b>Snow/Ice</b>	<b>127.35</b>	<b>&lt;0.1%</b>
<b>Trees</b>	<b>109,999.10</b>	<b>27.9%</b>
<b>Water</b>	<b>5,353.78</b>	<b>1.4%</b>
<b>TOTAL</b>	<b>394,103.68</b>	<b>100%</b>

\*All land within the M.D. boundary including the Piikani Nation reserve lands

## Land Use: Piikani Nation Reserve

The Piikani Nation Reserve Lands comprise close to 43,000 hectares, and are primarily comprised of rangeland (59.7%) and crops (36%), followed by trees (2.4%) and water (1.4%). 0.4% of the reserve lands are built areas.

Trees within the Piikani Nation reserve lands cover over 1,000 hectares and are estimated to sequester 5,306 tCO<sub>2</sub>e/yr (using the Montane Cordillera carbon sequestration rate).<sup>10</sup>

**TABLE D3: LAND USE CATEGORIES, AREA TOTALS AND PERCENTAGES IN THE PIIKANI NATION RESERVE LANDS**

Land Use Category	Total Area (Hectares)	Percentage of Total Land Area
Bare Ground	52.05	0.1%
Built Area	175.99	0.4%
Clouds	-	0.0%
Crops	15,453.78	36.0%
Flooded Vegetation	0.47	0.0%
Rangeland	25,640.30	59.7%
Snow/Ice	-	0.0%
Trees	1,033.66	2.4%
Water	580.99	1.4%
<b>TOTAL</b>	<b>42,937.24</b>	<b>100%</b>

<sup>10</sup> This is a conservative estimate – using the Alberta Prairies carbon sequestration rate the estimate would be 10,991 tCO<sub>2</sub>e/yr.

## Land Use: Soil Organic Carbon

Soil organic carbon is the carbon component of soil organic matter, made up of plants (e.g. dead plants and leaves), as well as animals and microorganisms. An estimate of soil organic carbon per land use type in the M.D. was calculated, using factors from a recent (2021) study that analysed soil organic carbon stocks from 0-100cm at 404 sampling locations in Alberta’s agricultural lands.<sup>11</sup> Land use types identified in the study were aligned with the land use categories from the land use mapping exercise and the corresponding factor from the study was applied. This produced a static estimate of current soil organic carbon stocks per land use type, which does not provide an annual rate of either carbon sequestration or loss, for which additional data on land use changes and management practices would be required (disturbed land releases carbon).<sup>12</sup>

**TABLE D4: SOIL ORGANIC CARBON ESTIMATES BASED ON LAND USE CATEGORIES AND AREA TOTALS IN THE M.D. OF PINCHER CREEK**

Class Name	Total Area in Hectares	Land use type from study	Soil organic carbon stocks factor (Mg C ha <sup>-1</sup> )	Soil Organic Carbon estimate (Mg C)
Rangeland	166,461	Native grasslands, pastures and forageland	90.3	15,031,464
Trees	109,999	Forested	120.5	13,254,892
Crops	104,590	Cropland	83.3	8,712,314
			<b>Total:</b>	<b>36,998,670 Mg C</b>

<sup>11</sup> Tomislav Hengl, Preston Sorenson, Leandro Parente, Kimberly Cornish, Jeffrey Battigelli, Carmelo Bonannella, Monika Gorzelak, and Kris Nichols. 2023. Assessment of soil organic carbon stocks in Alberta using 2-scale sampling and 3D predictive soil mapping. *FACETS*. 8(): 1-17. <https://doi.org/10.1139/facets-2023-0040>

<sup>12</sup> Note, one megagram (Mg) is equivalent to one tonne, and each tonne of organic carbon is equivalent to approximately 3.67 tonnes of atmospheric CO<sub>2</sub>. Therefore soil organic carbon storage in the M.D. is estimated to be equivalent to 135,661,789 tCO<sub>2</sub>.



# STAYING SAFE IN WILDFIRE SEASON.

**ARE YOU PREPARED  
FOR AN EMERGENCY?**

With wildfires becoming more frequent and intense, AltaLink's highest priority is protecting your community while providing safe, reliable power.

## WILDFIRE SAFETY



### AltaLink's fire prevention measures

- + Enhanced vegetation clearing around power lines
- + Increased inspections
- + Strengthening our system
- + Expanding preparedness



### Public Safety Power Shutoff

- + Last resort safety measure
- + Extreme and dangerous weather conditions
- + Power may be shut off until conditions are safe
- + Advance notice and regular updates provided when possible



### How you can prepare

- + Create an emergency plan and kit with supplies to last at least 72 hours
- + Plan for any medical needs
- + Ensure your local retailer has your updated contact information to receive alerts

Learn more about what AltaLink is doing and how you can prepare at

[altalink.ca/wildfiresafety](https://altalink.ca/wildfiresafety)

Follow us on social media for regular updates.







ALBERTA

MUNICIPAL AFFAIRS

*Office of the Minister  
MLA, Calgary-Hays*

AR117795

February 27, 2025

Dear Chief Elected Officials:

I am writing to share information with you about *Budget 2025*, tabled in the Alberta Legislature by my colleague, the Honourable Nate Horner, President of Treasury Board and Minister of Finance. Below are some details relevant to Alberta Municipal Affairs.

*Budget 2025* is meeting the challenges facing Alberta with responsible decisions to fund today's priorities, investing more than \$1 billion to build stronger communities provincewide. Through these investments, my ministry will continue to support local governments in providing fiscally responsible, collaborative, and accountable services to Albertans.

Last year, Municipal Affairs introduced the Local Government Fiscal Framework (LGFF), delivering predictable capital infrastructure funding to municipalities and Metis Settlements across Alberta. The LGFF represents years of collaboration between the province and local governments, replacing the Municipal Sustainability Initiative with a modern and predictable model.

LGFF funding allocations for the 2025/26 fiscal year have been known to communities for several months. Thanks to the LGFF's revenue index factor, which ties the funding level to provincial revenue from three years prior, *Budget 2025* increases LGFF capital funding by more than 13 per cent, from \$722 million to \$820 million. This increase will help your communities achieve their local infrastructure priorities. *Budget 2025* also maintains LGFF Operating funding at \$60 million to assist with operational costs and help respond to inflationary pressures. This grant was doubled in 2023 to reflect lost municipal revenue through the Grants in Place of Taxes program.

*Budget 2025* also increases funding for the Grants in Place of Taxes program (GIPOT). Over the last few years, we heard loud and clear from municipalities that have provincially run buildings within their boundaries about the need for stronger recognition of the impact provincial properties have on municipal services. Starting in the 2025/26 fiscal year, GIPOT will be paid to municipalities at 75 per cent of the property tax amount that would be owed if the properties were subject to municipal taxation. Next year, in 2026/27, GIPOT will be fully restored to 100 per cent.

.../2



In light of these increases, the Local Growth and Sustainability Grant (LGSG) program will not continue. Introduced in *Budget 2024*, this three-year, \$60-million grant program aimed to alleviate pressures in fast-growing communities. We received numerous applications from municipalities for the initial \$20 million in LGSG funding allocated in 2024. Those funds will still be distributed, with successful applicants notified by the end of March 2025. However, after careful consideration, our government made the difficult decision to discontinue the LGSG program for *Budget 2025* and focus the investment of taxpayer dollars into other areas, including a comprehensive capital plan to enhance public infrastructure.

As in previous years, *Budget 2025* includes capital support through the federal Canada Community-Building Fund and Investing in Canada Infrastructure Program. We are also maintaining funding levels for public libraries, with more than \$33 million going toward operating grants across the province.

*Budget 2025* is meeting the challenge of the cost of living by helping families keep more money in their pockets through lower personal income taxes and continuing investments in education and health care. Our municipal partners are integral to our work. As we face global uncertainties, I look forward to working together over the next year as we continue to build strong, vibrant, and sustainable communities that help keep our province the best place in Canada to live, work, and raise a family.

Sincerely,



Ric McIver  
Minister