

MUNICIPALITY OF JASPER
REGULAR COUNCIL MEETING AGENDA
September 5, 2023 | 1:30 pm
Jasper Library & Cultural Centre – Quorum Room
[Municipality of Jasper Strategic Priorities 2022-2026](#)



Notice: Council members and staff are at the Jasper Library and Cultural Centre. Members of the public can attend meetings in person; view meetings through the Zoom livestream; or view archived Council meetings on YouTube at any time. **To live-stream this meeting starting at 1:30 pm, use this Zoom link: <https://us02web.zoom.us/j/87657457538>**

1 CALL TO ORDER

2 APPROVAL OF AGENDA

2.1 Regular meeting agenda, September 5, 2023 attachment

Recommendation: That Council approve the agenda for the regular meeting of September 5, 2023 as presented.

3 APPROVAL OF MINUTES

3.1 Regular meeting minutes, August 15, 2023 attachment

Recommendation: That Council approve the minutes of the August 15, 2023 Regular Council meeting as presented.

3.2 Committee of the Whole meeting minutes, August 22, 2023 attachment

Recommendation: That Council approve the minutes of the August 22, 2023 Committee of the Whole meeting as presented.

3.3 Legislative Committee meeting minutes, August 29, 2023 attachment

Recommendation: That Council approve the minutes of the August 29, 2023 Legislative Committee meeting as presented.

4 CORRESPONDENCE

5 DELEGATIONS

5.1 The Resilience Institute – Climate Resilience Capacity Building Project Update attachment

Recommendation: That Council receive the presentation from the Resilience Institute for information.

6 NEW BUSINESS

6.1 Rail Safety Week Proclamation attachment

Recommendation: That Council proclaim the week of September 18-24, 2023 as Rail Safety Week.

MUNICIPALITY OF JASPER
REGULAR COUNCIL MEETING AGENDA
September 5, 2023 | 1:30 pm
Jasper Library & Cultural Centre – Quorum Room
[Municipality of Jasper Strategic Priorities 2022-2026](#)

6.2 Forest Resource Improvement Association of Alberta (FRIAA) Grant Application

Recommendation: That Council approve an application to the Forest Resource Improvement Association of Alberta (FRIAA) for grant funding toward a new ten-year Wildfire Mitigation Strategy.

6.3 September 26th Committee of the Whole Meeting Quorum & AB Munis Convention

Recommendation: That Council cancel the September 26, 2023 Committee of the Whole meeting due to a lack of quorum.

6.4 Reallocation of Capital Funds

Recommendation: That Council approve the deletion of the purchase of a 4x4 1-ton pickup truck and a ¾ ton pickup truck, and reallocate capital funds to proceed with the purchase of:

- *a new tractor and implements for winter sidewalk maintenance; and*
- *a 10-ton dump truck for snow removal operations.*

6.5 Jasper Recreation Complex Renovation Phase 2 Borrowing Bylaw 2023 2nd Reading attachment

Recommendation: That Council give second reading to bylaw #256, the Jasper Recreation Complex Renovation Phase 2 Borrowing Bylaw 2023.

6.6 Wastewater Treatment Facilities Borrowing Bylaw 2023 2nd Reading attachment

Recommendation: That Council give second reading to bylaw #255, the Wastewater Treatment Facilities Borrowing Bylaw 2023.

6.7 Director's Report – Finance & Administration attachment

Recommendation: That Council receive the report for information.

7 NOTICES OF MOTION

8 COUNCILLOR REPORTS

[8.1 Council's appointments to boards and committees](#)

9 UPCOMING EVENTS

Jasper Crisis Team Fundraising Golf Tournament – September 8, Fairmont Jasper Park Lodge

Jasper Folk Music Festival – September 8-9, Commemoration Park

2nd Annual Hinton Energy Festival – 3:30-8pm, September 22, Hinton PATH, 821 Switzer Drive

MUNICIPALITY OF JASPER
REGULAR COUNCIL MEETING AGENDA
September 5, 2023 | 1:30 pm
Jasper Library & Cultural Centre – Quorum Room
[Municipality of Jasper Strategic Priorities 2022-2026](#)

Alberta Tourism Advocacy Summit, September 25, Calgary Telus Convention Centre
Jasper Park Chamber of Commerce AGM – 5:30pm, September 27, Pyramid Lake Lodge
Alberta Municipalities’ Convention & Trade Show – September 27-29, Edmonton Convention Centre

10 ADJOURNMENT

Recommendation: That, there being no further business, the regular meeting of September 5, 2023 be adjourned at _____.

Please note: All regular and committee meetings of Council are video recorded and archived on YouTube.

Municipality of Jasper
Regular Council Meeting Minutes
 Tuesday, August 15, 2023 | 1:30 pm
 Jasper Library and Cultural Centre, Quorum Room

Virtual viewing and participation Council attendance is in Council chambers at the Jasper Library and Cultural Centre. This meeting was also conducted virtually and available for public livestreaming through Zoom. Public viewing and participation during Council meetings is through both Zoom livestreaming and in-person attendance.

Present Mayor Richard Ireland, Deputy Mayor Helen Kelleher-Empey, Councillors Kathleen Waxer, Scott Wilson, Ralph Melnyk, Rico Damota and Wendy Hall

Absent none

Also present Bill Given, Chief Administrative Officer
 Natasha Malenchak, Director of Finance & Administration
 John Greathead, Director of Operations & Utilities
 Leanne Pelletier, Municipal Housing Coordinator
 Amanda Stevens, Communications Manager
 Emma Acorn, Legislative Services Coordinator
 Vidal Michaud, Utilities Manager
 CEO Vaughn Bend & Interim VP Operations Doug Renwick, Aquatera
 Jake Dean, Colliers Project Leaders
 John McDonnell, Brownlee Law
 Peter Shokeir, The Fitzhugh
 John Gamblin, Jasper resident
 Eric Dietiker, Jasper resident
 5 observers

Call to order Mayor Ireland called the August 15, 2023 Regular Council meeting to order at 1:30pm.

Additions/
 Deletions to
 agenda none

Approval of agenda #350/23 MOTION by Councillor Melnyk – BE IT RESOLVED that Council approve the agenda for the August 15, 2023 Regular Council meeting as presented.

FOR	AGAINST	
7 Councillors	0 Councillors	CARRIED

Approval of Legislative Committee minutes #351/23 MOTION by Councillor Hall – BE IT RESOLVED that Council approve the minutes of the July 18, 2023 Legislative Committee meeting as presented.

FOR	AGAINST	
7 Councillors	0 Councillors	CARRIED

Approval of Regular minutes #352/23 MOTION by Councillor Kelleher-Empey – BE IT RESOLVED that Council approve the minutes of the July 18, 2023 Regular Council meeting as presented.

FOR	AGAINST	
7 Councillors	0 Councillors	CARRIED

Approval of Committee of the Whole minutes #353/23 MOTION by Councillor Waxer – BE IT RESOLVED that Council approve the minutes of the August 8, 2023 Committee of the Whole meeting as presented.

FOR	AGAINST	
7 Councillors	0 Councillors	CARRIED

Correspondence none

Delegations – Aquatera Council received a presentation from CEO Vaughn Bend & Interim VP Operations Doug Renwick with Aquatera focused on the past two years of operation with the Municipality of Jasper; the benefits of the relationship; industry challenges; the

community support provided by Aquatera; performance results; environmental performance; and a summary of the Jasper Capital Project.

#354/23

MOTION by Councillor Wilson – BE IT RESOLVED that Council receive the presentation from Aquatera for information.

FOR
7 Councillors

AGAINST
0 Councillors

CARRIED

Public Hearing –
Municipally
Controlled
Corporation (MCC)

The Mayor called the Public Hearing to order at 2:13pm.

CAO Bill Given introduced Jake Dean with Colliers Project Leaders; and John McDonnell of Brownlee Law, who also attended the June 27, 2023 Committee of the Whole meeting, where the draft business plan was first presented. Administration reviewed the draft business plan and the draft unanimous shareholders agreement. Council then took the opportunity to ask questions before public presenters began.

Residents were then invited to ask questions; voice their concerns; and discuss potential impacts with Council. Residents John Gamblin and Eric Dietiker each took separate turns to ask questions of Council and Administration.

Council was given another opportunity to ask questions of Administration on points raised by the public that were not answered in previous questioning.

#355/23

MOTION by Councillor Damota – BE IT RESOLVED that Council close the public hearing portion of today's meeting.

FOR
7 Councillors

AGAINST
0 Councillors

CARRIED

#356/23

MOTION by Councillor Wilson – BE IT RESOLVED that Council confirm it is satisfied that:

- the MCC will carry on business solely for one or more of the purposes as enumerated in Section 3 of the MGA;
- the MCC will provide a service or benefit to residents of the Municipality; and
- the profits and dividends of the MCC will provide a direct benefit to the residents of the Municipality.

FOR
7 Councillors

AGAINST
0 Councillors

CARRIED

#357/23

MOTION by Councillor Wilson – BE IT RESOLVED that, Council approve the MCC as proposed be incorporated and controlled by the Municipality.

FOR
7 Councillors

AGAINST
0 Councillors

CARRIED

#358/23

MOTION by Councillor Wilson – BE IT RESOLVED that Council approve upon the incorporation of the MCC, the Municipality enter into a Unanimous Shareholder Agreement with the MCC, consistent with the version attached to the Council agenda dated August 15, 2023 as required by the MGA and the MCC Regulation.

FOR
7 Councillors

AGAINST
0 Councillors

CARRIED

#359/23

MOTION by Councillor Damota – BE IT RESOLVED that Council authorize the Chief Administrative Officer to establish the required corporation in accordance with the aforementioned resolutions.

FOR
7 Councillors

AGAINST
0 Councillors

CARRIED

Mission Statement Policy #360/23	<p>MOTION by Councillor Hall – BE IT RESOLVED that Council approve Policy A-102: Mission Statement with the following amendment:</p> <ul style="list-style-type: none"> • Council responsibilities section should read, “Review the Mission Statement Policy; at minimum, within 90 days of a general municipal election” 			
	<table border="0" style="width: 100%;"> <tr> <td style="text-align: left;">FOR 7 Councillors</td> <td style="text-align: left;">AGAINST 0 Councillors</td> <td style="text-align: right;">CARRIED</td> </tr> </table>	FOR 7 Councillors	AGAINST 0 Councillors	CARRIED
FOR 7 Councillors	AGAINST 0 Councillors	CARRIED		
Respect and Dignity Policy #361/23	<p>MOTION by Councillor Damota – BE IT RESOLVED that Council approve Policy B-105: Respect and Dignity as presented.</p>			
	<table border="0" style="width: 100%;"> <tr> <td style="text-align: left;">FOR 7 Councillors</td> <td style="text-align: left;">AGAINST 0 Councillors</td> <td style="text-align: right;">CARRIED</td> </tr> </table>	FOR 7 Councillors	AGAINST 0 Councillors	CARRIED
FOR 7 Councillors	AGAINST 0 Councillors	CARRIED		
Procurement Policy #362/23	<p>MOTION by Councillor Wilson – BE IT RESOLVED that Council approve B-120: Procurement Policy with the following amendment:</p> <ul style="list-style-type: none"> • Section 4.2 should read: Within 48 hours of being issued on APC, emailing notification of procurement opportunities issued through Alberta Purchasing Connection to all members of Council, and to the Jasper Park Chamber of Commerce. 			
	<table border="0" style="width: 100%;"> <tr> <td style="text-align: left;">FOR 7 Councillors</td> <td style="text-align: left;">AGAINST 0 Councillors</td> <td style="text-align: right;">CARRIED</td> </tr> </table>	FOR 7 Councillors	AGAINST 0 Councillors	CARRIED
FOR 7 Councillors	AGAINST 0 Councillors	CARRIED		
Notices of Motion	none			
Councillor Reports	Councillor Kelleher-Empy attended an Evergreens Foundation meeting last week and shared fundraising plans being made by the Seniors’ Society to raise money for a generator for Alpine Summit Lodge.			
Upcoming events	Council received a list of upcoming events for information.			
Adjournment #363/23	<p>MOTION by Councillor Kelleher-Empy – BE IT RESOLVED that, there being no further business, the Regular Council meeting of August 15, 2023 be adjourned at 4:50pm.</p>			
	<table border="0" style="width: 100%;"> <tr> <td style="text-align: left;">FOR 7 Councillors</td> <td style="text-align: left;">AGAINST 0 Councillors</td> <td style="text-align: right;">CARRIED</td> </tr> </table>	FOR 7 Councillors	AGAINST 0 Councillors	CARRIED
FOR 7 Councillors	AGAINST 0 Councillors	CARRIED		

Mayor

Chief Administrative Officer

Municipality of Jasper
Committee of the Whole Meeting Minutes
Tuesday, August 22, 2023 | 9:30am
Jasper Library and Cultural Centre, Quorum Room

Virtual viewing and participation	Council attendance is in Council chambers at the Jasper Library and Cultural Centre. This meeting was also conducted virtually and available for public livestreaming through Zoom. Public viewing and participation during Council meetings is through Zoom livestreaming and in person attendance.		
Present	Mayor Richard Ireland, Deputy Mayor Helen Kelleher-Empey, Councillors Kathleen Waxer, Wendy Hall, Rico Damota, and Ralph Melnyk		
Absent	Councillor Scott Wilson		
Also present	Bill Given, Chief Administrative Officer Christine Nadon, Director of Protective & Legislative Services John Greathead, Director of Operations & Utilities Natasha Malenchak, Director of Finance & Administration Mathew Conte, Jasper Fire Department Fire Chief Lisa Riddell, Community Development Manager Emma Acorn, Legislative Services Coordinator Kim Stark, Jasper resident Peter Shokeir, The Fitzhugh 3 observers		
Call to Order	Deputy Mayor Kelleher-Empey called the August 22, 2023 Committee of the Whole meeting to order at 9:30am and began with a Traditional Land Acknowledgement .		
Additions/deletions to the agenda	Councillor Melnyk requested that Committee add the following item to the agenda: <ul style="list-style-type: none">7.4 Forest Resource Improvement Association of Alberta (FRIAA) Grant Application		
Approval of agenda #364/23	MOTION by Councillor Damota that Committee approve the agenda for the August 22, 2023 Committee of the Whole meeting as amended with the addition of: <ul style="list-style-type: none">7.4 Forest Resource Improvement Association of Alberta (FRIAA) Grant Application		
	FOR 6 Councillors	AGAINST 0 Councillor	CARRIED
Business arising from August 8, 2023 minutes	none		
Delegations – Kim Stark	Jasper resident Kim Stark was received as a delegation by Committee of the Whole to discuss two separate items. The items are documented in the agenda package. A parking		

zone for buses by the corner of Fir Street and Patricia Street was discussed first.

#365/23

MOTION by Councillor Melnyk that Committee accept the presentation from Jasper resident Kim Stark as information; and

That Committee refer the matter of the bus parking zone by Fir Street and Patricia Street to Administration for consideration along with other safety concerns and report back to a future committee of the whole meeting.

FOR	AGAINST	
6 Councillors	0 Councillor	CARRIED

#366/23

MOTION by Councillor Hall that Committee accept the presentation from Jasper resident Kim Stark as information; and

That Committee refer the concept of an Indoor Running Track to Administration to provide a report back on potential next steps, including consideration of a feasibility study.

FOR	AGAINST	
6 Councillors	0 Councillor	CARRIED

Correspondence –
RCMP Quarterly
Report
#367/23

MOTION by Mayor Ireland that Committee receive the RCMP Quarterly report for information; and

That Committee direct Administration to forward the questions and comments to Sergeant Bidaisee for consideration.

FOR	AGAINST	
6 Councillors	0 Councillor	CARRIED

Fruit Trees on
Municipal
Property
#368/23

Committee received a verbal report from Director of Operations & Utilities, John Greathead, on the work being done with Parks Canada regarding the removal of fruit trees in the town site. Bear attracting fruit bearing trees are being removed by Parks Canada with the most problematic trees being removed first.

MOTION by Councillor Damota that Committee receive the verbal report from Director Greathead for information.

FOR	AGAINST	
6 Councillors	0 Councillor	CARRIED

Code of Conduct
in Municipal
Facilities

Committee received a report from Administration with Community Development Manager, Lisa Riddell, speaking to the information that had been gathered on codes of conduct in facilities owned by other municipalities.

#369/23

MOTION by Councillor Damota that Committee direct Administration to return to a future Committee of the Whole meeting with a draft Code of Conduct in Municipal Facilities

Policy written in plain language for review.

FOR	AGAINST	
6 Councillors	0 Councillor	CARRIED

Recess Deputy Mayor Kelleher-Empey called a recess from 11:33-11:40am.

Reallocation of Capital Funds Committee received a request from Director of Operations & Utilities, John Greathead, for a reallocation of capital funds.

#370/23 MOTION by Mayor Ireland that Committee recommend Council direct Administration to delete the purchase of a 4x4 1 ton pickup truck and the purchase of the ¾ ton pickup truck and to reallocate capital funds to proceed with the purchase of
a) a new tractor and implements for winter sidewalk maintenance; and
b) a 10 ton dump truck for snow removal operations.

FOR	AGAINST	
6 Councillors	0 Councillor	CARRIED

Forest Resource Improvement Association of Alberta (FRIAA) Grant Application #371/23 Committee received an added agenda item from Director of Protective & Legislative Services, Christine Nadon regarding a grant application with a deadline in September. The request for decision is attached to the minutes.

MOTION by Councillor Waxer that Committee recommend Council approve an application to the Forest Resource Improvement Association of Alberta (FRIAA) for grant funding toward a new ten-year Wildfire Mitigation Strategy.

FOR	AGAINST	
6 Councillors	0 Councillor	CARRIED

Motion Action List Administration reviewed the Motion Action List.

#372/23 MOTION by Councillor Melnyk that Committee approve the updated Motion Action List with the removal of the following items:

- Fruit Trees on Municipal Property
- Jasper Hockey League
- Municipally Controlled Corporation

FOR	AGAINST	
6 Councillors	0 Councillors	CARRIED

Councillor upcoming meetings Councillor Damota will be attending Community Conversations as they start up again after the summer break on Wednesday, September 6th.

Upcoming Events Council reviewed a list of upcoming events.

Adjournment
#373/23

MOTION by Councillor Melnyk that, there being no further business, the Committee of the Whole meeting of August 22, 2023 be adjourned at 12:14pm.

FOR
6 Councillors

AGAINST
0 Councillors

CARRIED

DRAFT

Legislative Committee Minutes

Tuesday, August 29, 2023

Quorum Room, Jasper Municipal Library & Cultural Centre



In attendance:

Mayor Richard Ireland, Councillors Wendy Hall & Rico Damota, and Director of Protective & Legislative Services Christine Nadon (recorder)

1. Call to order – Chair Wendy Hall

Councillor Hall called the meeting to order at 10:35am.

2. Additions or deletions to the agenda – None

3. Approval of the agenda

The agenda was approved by consensus, as presented.

4. Alberta Municipalities Resolutions Instructions

Committee members discussed the resolutions presentation process; the resolutions submitted by other municipalities on similar topics; and possible strategies build support for Jasper's resolution. Key points to include in the introduction statement included: mentioning the local rent increase which prompted the drafting of the resolution; and explaining how homelessness looks different in Jasper than in other communities, but is the same issue affecting vulnerable residential tenants. Director Nadon will develop key messages from the current resolution to serve as a draft introduction statement, and work with Mayor Ireland to advance this item. The Committee requested that the draft wording and an update on this file be included in the September 12 Committee of the Whole agenda for review by all of Council prior to the conference.

5. Procedure Bylaw #190

Administration has taken on the bylaw review process following extended delays with a hired consultant. Director Nadon presented options for bylaw structure, and the Committee reviewed and edited Part I of the new proposed bylaw, including citation; definitions; application and interpretation; and severability. Committee members agreed that the structure of the bylaw should reflect the order of items and proceedings of a council meeting, so the document can be referenced easily when procedural questions arise. Administration will bring forward a proposed Part II of the bylaw for review at the next Legislative Committee meeting.

6. Legislative Committee Motion Action List

The Committee reviewed the Legislative Committee Motion Action List which is included in the agenda package.

7. Adjournment

- Next meeting: To be held during the upcoming Alberta Municipalities conference in Edmonton (September 27 to 29, 2023).
- Councillor Hall adjourned the meeting at 12:31pm.

Who we are

National charitable organization based in Alberta

Mission – climate resilient futures and reduce risk to disasters

Broad charitable objectives – Education and research to advance knowledge on **climate change** and **sustainability**

Distributed organization with small core team + subject matter experts as needed; nimble; responsive

Transdisciplinary – we develop partnerships with local and Indigenous communities, academia, government and other charities on initiatives. With the we co-develop activities that unite diverse knowledge holders and multi-generations in learning and sharing.

Build local capacity for climate adaptation and mitigation

Climate Change Terms



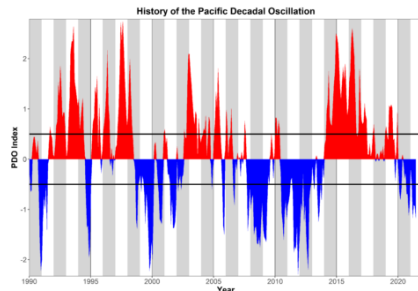
Weather

Short term day-to-day changes in atmospheric conditions like temperature and precipitation.



Climate

The weather of a specific region averaged over a long period of time, typically 30-year periods.



El Nino, La Nina
(2-7 years)

Pacific Decadal Oscillation
(20-30 years)



Climate Change

Significant changes in climate that occur over several decades or longer.



Mitigation


Actions to reduce emissions that cause climate change.



Adaptation

Actions to manage the risks of climate change impacts.

Climate Hazards

 Drought

 Severe Storms

 Localised Flooding

 River/Creek Flooding

 Landslide/Avalanche

 Wildfires

 Wildfire Smoke

 Hail

 Freezing Rain


 High Winds

 Heavy Snow

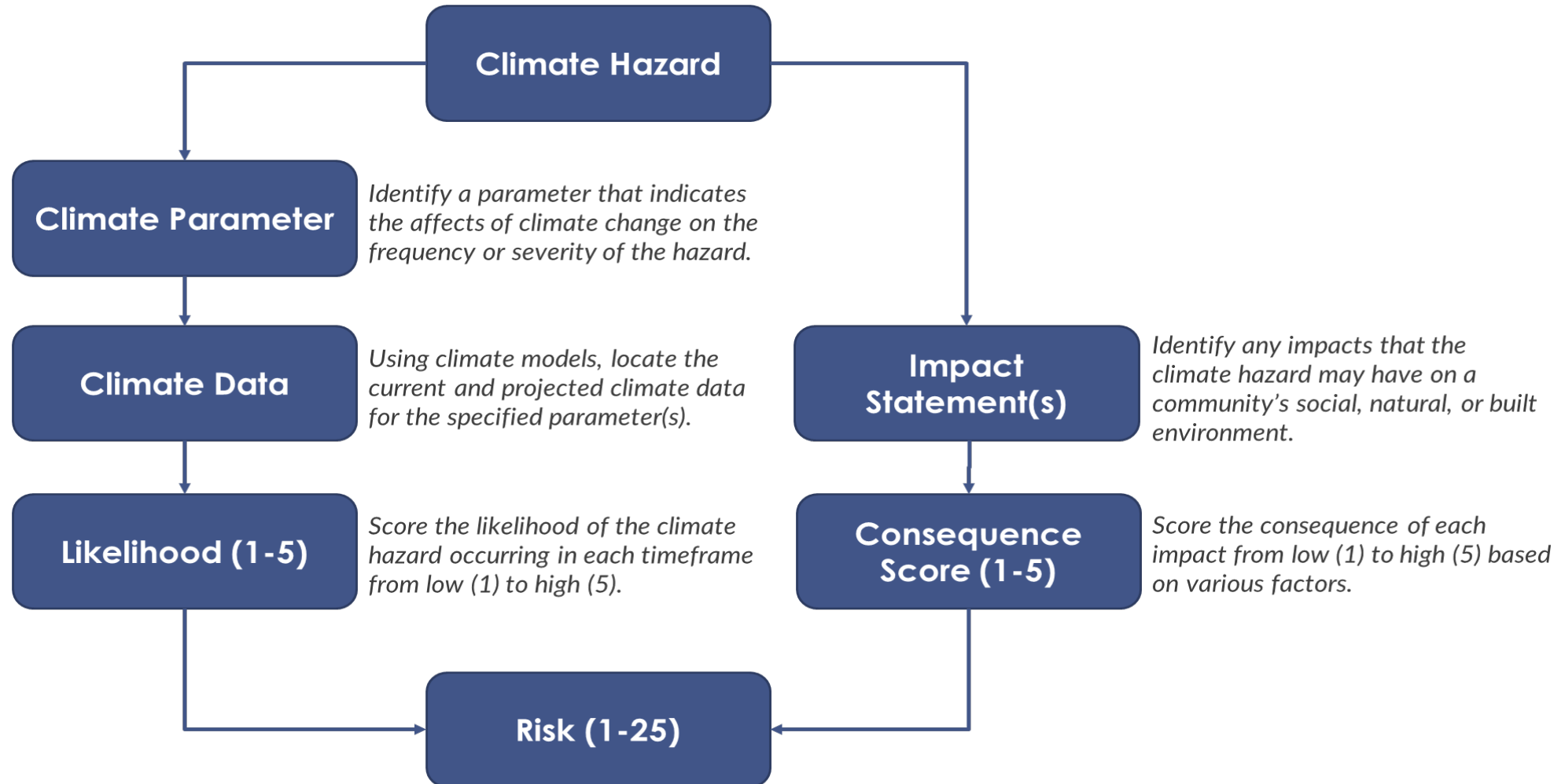
 Extreme Heat

 Freeze-Thaw Cycles

 Shifting Ecoregion

 Glacial Recession

Risk Assessment Process



Risk Assessment Overview

Risk = Likelihood x Consequence

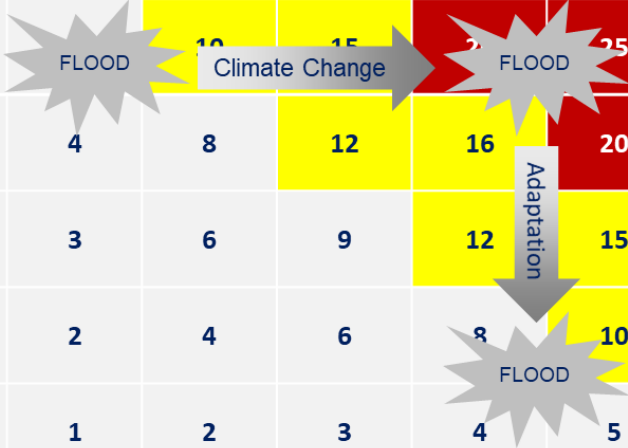
Informed by community



Informed by climate data



5	CONSEQUENCE	Catastrophic	0	FLOOD	10	15	20	25
4		Major	0	4	8	12	16	20
3		Moderate	0	3	6	9	12	15
2		Minor	0	2	4	6	8	10
1		Insignificant	0	1	2	3	4	5
0		No Effect	0	0	0	0	0	0
			Negligible Not Applicable	Highly Unlikely Improbable	Remotely Possible	Possible Occasional	Somewhat Likely Normal	Likely Frequent
			LIKELIHOOD					
			0	1	2	3	4	5





**Climate Risk & Vulnerability Assessment
*Consequence Scoring Rubric & Impact Statements***

Municipality of Jasper

Date: August 2023



Date: August 2023

To: Municipality of Jasper

Subject: Sharing Draft Likelihood Scores memo & request for feedback

Greetings,

The following “Draft Likelihood Scores” memo has been prepared by Associated Engineering on behalf of The Resilience Institute and in support of the Climate Resilience Capacity Building (CRCB) Climate Risk Assessment project.

We have also provided some explanation of the types of information that is contained in the memo to support your review.

We kindly request that you review this document and provide feedback to The Resilience Institute and Associated Engineering within two weeks of this letter’s date. Feedback by providing comments and tracked edits in the document is preferred, but we would gladly make a meeting time available to review the document virtually if required.

Review of “Draft Likelihood Scores” will form part of the project’s engagement with the Municipality of Jasper to complete the Climate Risk Assessment scoring activity.

Thank you in advance for your consideration.

Respectfully,

A handwritten signature in blue ink, appearing to read 't. Penn', is positioned above the typed name.

Henry Penn, PhD.
Research Fellow, The Resilience Institute
Creating a Resilient Future-Together



Memo To: Municipality of Jasper

June 12, 2023

- 3 -

CONTEXT & ADDITIONAL INFORMATION

Climate hazard parameters & likelihood scores are proposed in Table 3. There is a significant amount of information in this table. Below we provide an overview of the broad types of information presented. Each climate hazard is associated with a parameter which explains how the climate hazard has been assessed and evaluated. Each parameter is considered on an annual basis, for example, the number of days above 30°C per year for extreme heat. Broadly, climate hazards are considered using two types of parameters.

1 Index

Some climate hazards i.e. droughts, are described by a parameter that is an index. A climate index is a calculated value that can be used to describe the state and the changes in the climate system. Climate indexes allow a statistical comparison of dependent climatological aspects. For drought, the parameter used is an index comparing precipitation over 3-months with potential evapotranspiration (the sum of all processes by which water moves from the land surface to the atmosphere via evaporation and transpiration) over the same period.

As a statistical measure, the indexes don't have units, and the individual numbers are fairly abstract by themselves. What is important for the climate hazards that use index parameters is the percentage change from the historical value, which is consider the current condition, to the future value. The index used and any decisions made while using it are based on industry standards.

2 Criteria

Climate hazards like flooding, have parameters that are based on a criterion. These criteria have units that tell use about the assumptions made to calculate them. For example, the flooding parameter is a measure of rainfall intensity that is determined as the average rainfall rate in mm/hr for specific rainfall duration i.e. 15-minutes, and a selected frequency i.e. 25-year.

Standard practices have been followed, but decisions and assumptions have been made in choosing criteria for the climate hazards. There are opportunities to review the exact criteria that have been used, particularly in cases where it could better align with the design standards of existing infrastructure or regional industries.

A note on baselines

The difference in likelihood score from historic likelihood to future likelihood is based on the calculated percentage change. Using the information gather to develop the climate hazard impact statements for each climate hazard we have proposed a historic likelihood of either 2 or 3, based on:

- A historic likelihood score of 2 indicates that, while the climate hazard may be occurring, it does not cause recurring issues or significant concern for the community at this time.
- A historic likelihood score of 3 indicates that the climate hazard is already a problem for the community and impacts have been experience a number of times in the recent past.

We are seeking feedback on whether the historic likelihood scores accurately reflect what your community is experiencing.

Memo To: Municipality of Jasper
June 12, 2023

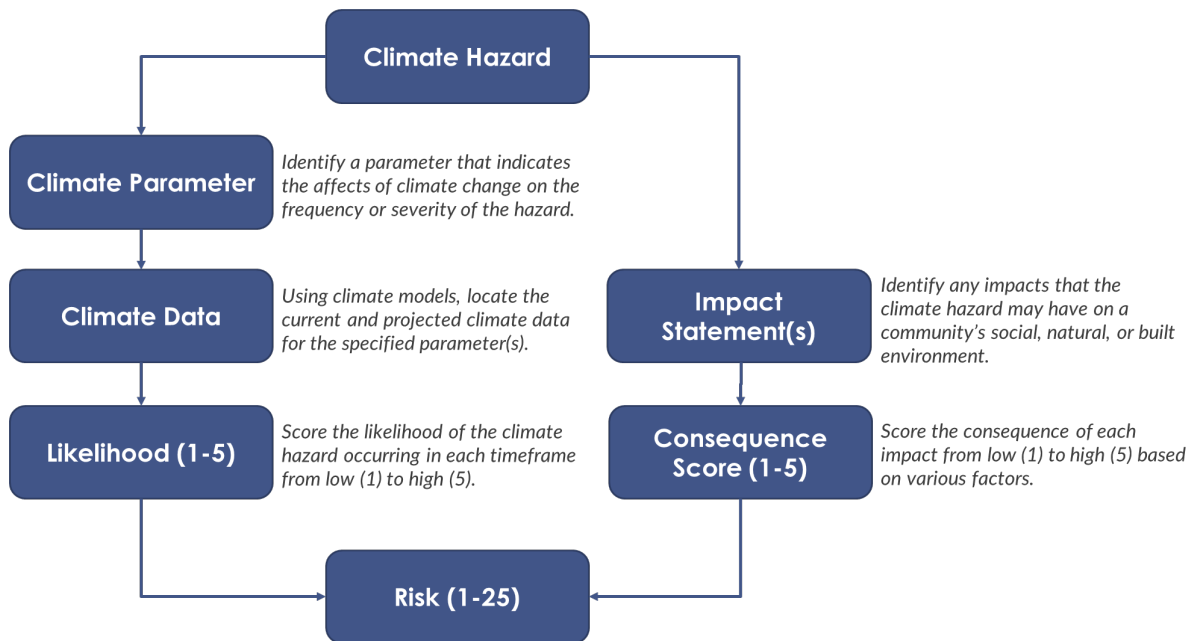
- 4 -

Date:	July 17, 2023	File:	2023-3646
To:	Municipality of Jasper	Page	Page 4 of 8
From:	Associated Engineering, The Resilience Institute		
Project:	Jasper Climate Risk Assessment		
Subject:	DRAFT Likelihood Scoring		

This memo provides the draft results for the likelihood scoring portion of the risk assessment. The key action is for you to review and validate the historical likelihood score of 2 versus 3 (see description below).

Risk Process Overview

The effect of climate change on each climate hazard is assessed by reviewing historical and projected climate data to understand the anticipated change in frequency and/or severity. From there, a likelihood score for that hazard can be assigned for historic and future horizons. Likelihood is scored from 1 (low) to 5 (high).



For each climate hazard, a list of impact statements is being developed which shows the different ways the hazard may affect Jasper's social, natural, and built environments. The consequence of each impact will be scored from 1 (low) to 5 (high).

Risk is calculated for each climate hazard and impact statement as the product of likelihood and consequence. The resulting scores highlight those hazards which are of greatest risk to the municipality.

Memo To: Municipality of Jasper

June 12, 2023

- 5 -

Likelihood Scoring

Likelihood scores were assigned for the historic and future (2050s) time horizons according to climate parameter trends, with increasing/decreasing values reflecting increasing/decreasing occurrence or severity over the time horizon. Climate projections consider a high-emissions scenario, with the earth reaching 2 degrees of global warming in the mid to late 2050s. Translation into likelihood scores normalizes the various climate change trend measures into a common numerical ranking. These scores allow for both qualitative (expert judgement) and quantitative (data informed) translations into likelihood score values. In alignment with Public Infrastructure Engineering Vulnerability Committee (PIEVC) climate risk framework methodology, a baseline approach was used to assign the historic likelihood scores based on feedback in workshops to date with the following assumptions:

A historic **likelihood score of 2** indicates that, while the climate hazard may be occurring, it does not cause recurring issues or significant concern for the community at this time;

A historic **likelihood score of 3** indicates that the climate hazard is already a problem for the community and impacts have been experience a number of times in the recent past.

The scoring rubrics for likelihood are shown in Tables 1 and 2 below.

Table 1: Likelihood Rubric, Baseline of 2

Likelihood Score (L)	Historic Likelihood	Future Likelihood
1	↑	10-100% reduction in frequency of intensity with reference to Baseline Mean
2	Seldom occurs in current climate	Baseline mean conditions or a change in frequency or intensity of +/-10% with reference to baseline mean
3	↓	10-40% increase in frequency or intensity with reference to Baseline Mean
4	↓	40-70% increase in frequency or intensity with reference to Baseline Mean
5	↓	70-100% increase in frequency or intensity with reference to Baseline Mean

Table 2: Likelihood Rubric, Baseline of 3

Likelihood Score (L)	Historic Likelihood	Future Likelihood
1	↑	50-100% reduction in frequency of intensity with reference to Baseline Mean
2	↑	10-50% reduction in frequency of intensity with reference to Baseline Mean
3	Often occurs in current climate	Baseline mean conditions or a change in frequency or intensity of +/-10% with reference to the baseline mean
4	↓	10-50% increase in frequency or intensity with reference to Baseline Mean
5	↓	50-100% increase in frequency or intensity with reference to Baseline Mean

Table 3 summarizes the climate parameters selected for each hazard, along with the historic and projected climate data (where applicable) and assigned likelihood scores. As you review the information below, **we are seeking feedback on if**

Memo To: Municipality of Jasper

June 12, 2023

- 6 -

the historic likelihood scores accurately reflect what your community is experiencing, or if adjustments are required.

Table 3: Climate Hazard Parameters & Likelihood Scores

Climate Hazard	Parameter (occurrence per year)	Historic Value	Future Value	% Change	Historic Likelihood	Future Likelihood
Drought	Standardized precipitation evapotranspiration index (SPEI 3) ¹	0.71	0.53	-25%	2	3
Lightning	Average number of days with lightning ²	40.2	-	-	2	3
Localized Flooding	15 min 25-year rainfall (mm/hr)	56.2	72	28%	2	3
River/Creek Flooding	24 hour 100-year rainfall (mm/hr)	3.6	4.6	28%	2	3
Wildfires	Average area burned (ha) within region	189,251	734,294	288%	2	5
Wildfire Smoke	Average area burned (ha) within region	189,251	734,294	288%	3	5
Hail	Severe summer hail days	1.5	27.4	1727%	2	5
Freezing Rain	Change in ice accretion (2020-2050)	-	-	40%	2	4
High Winds	Change in hourly wind pressure (1/50) (2020-2050)	-	-	9%	2	2
Heavy Snow	Winter precipitation (mm)	102.89	104.42	1%	2	2
Extreme Heat	Days above +30°C	0.4	5.1	1175%	2	5
Freeze-Thaw Cycles	# Freeze-thaw events	120	104.6	-13%	3	1
Shifting Ecoregion	Eco-region shift ³	-	-	-	2	3

¹ Values range from -5 to 5, with higher numbers indicating higher levels of moisture; a reduction in value indicates an increase in drought conditions.

² While no projected values are available, research points towards a slight increase in lightning frequency.

³ Eco-region maps project a slight shift in ecoregion in the area.



Memo To: Municipality of Jasper
 June 12, 2023

- 7 -

Climate Hazard	Parameter (occurrence per year)	Historic Value	Future Value	% Change	Historic Likelihood	Future Likelihood
Landslides	24 hour 100-year rainfall (mm/hr)	3.6	4.6	28%	2	3
Avalanches	Research ⁴	-	-	-	3	4
Glacial Recession	Freezing degree days ⁵	1116	857.8	-23%	3	4

⁴ Findings of a recent North American study (Wilbur & Kraus, 2018) suggest climate change will result in increased avalanche activity at higher elevations as well as increased wet avalanches.

⁵ Freezing degree days are the accumulation of daily mean temperatures below 0°C. A reduction in value indicates a warming temperatures.



**Climate Risk & Vulnerability Assessment
*Consequence Scoring Rubric & Impact Statements***

Municipality of Jasper

Date: August 2023



Date: August 2023

To: Town of Jasper.

Subject: Climate Risk Assessment Consequence Scoring Rubric & Impact Statements

Greetings,

The following “Consequence Scoring Rubric & Impact Statements” memo has been prepared by Associated Engineering on behalf of The Resilience Institute and in support of the Climate Resilience Capacity Building (CRCB) Climate Risk Assessment project.

We kindly request that you review this document and provide feedback to The Resilience Institute and Associated Engineering within two weeks of this letter’s date. Feedback by providing comments and tracked edits in the document is preferred, but we would gladly make a meeting time available to review the document virtually if required.

Following a review of “Consequence Scoring Rubric & Impact Statements” the project will be able to engage with the Town of Jasper community members to complete the Climate Risk Assessment scoring activity.

Thank you in advance for your consideration.

Respectfully,

A handwritten signature in blue ink, appearing to read "HPenn", is positioned above the typed name.

Henry Penn, PhD.
Research Fellow, The Resilience Institute
Creating a Resilient Future-Together

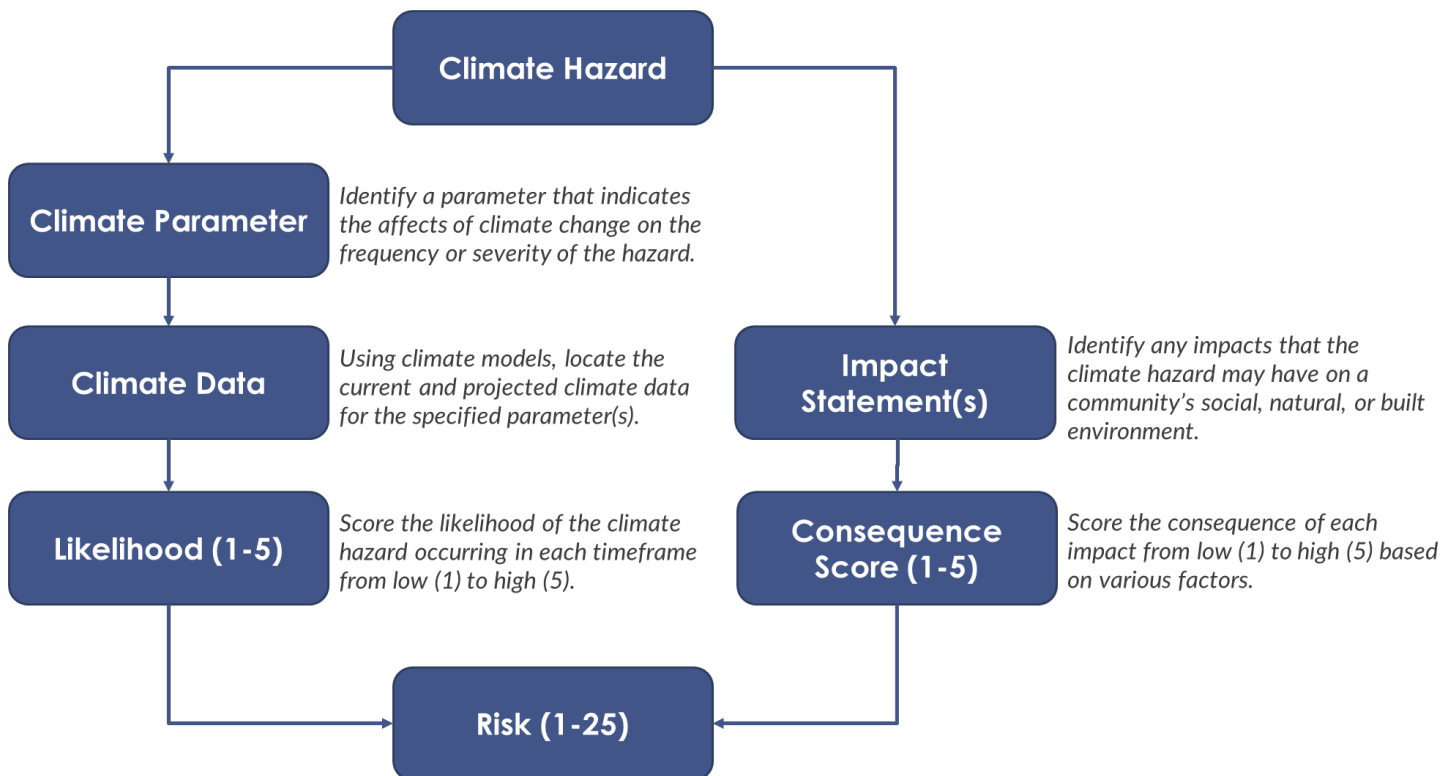
Date:	June 15, 2023	File:	2023-3646
To:	Municipality of Jasper	Page	Page 3 of 20
From:	Associated Engineering, The Resilience Institute		
Project:	Jasper Climate Risk Assessment		
Subject:	Consequence Scoring Rubric & Impact Statements		

Background

Climate change has widespread impacts on communities as well as the natural and built environment. Adapting to these impacts, whether through policy or infrastructure, can increase community resilience to these changes. The first step to building climate resilience is assessing your community's exposure to risks.

The Municipality of Jasper is currently undertaking a Climate Risk Assessment (CRA) as part of The Municipal Climate Change Action Centre's (MCCAC) Climate Resilience Capacity Building Program. The CRA will support the community in identifying and planning for climate hazards such as severe drought, high intensity rainfall, extreme heat, and severe storms. This work is being undertaken by The Resilience Institute (TRI) with the support of Associated Engineering (Associated).

The effect of climate change on each climate hazard is assessed by reviewing historical and projected climate data to understand the anticipated change in frequency and/or severity. From there, a likelihood score for that hazard can be assigned for present and future horizons. Likelihood is scored from 1 (low) to 5 (high).





Memo To: Municipality of Jasper

June 15, 2023

- 4 -

For each climate hazard, a list of impact statements is being developed which shows the different ways the hazard may affect the Municipality's social, natural, economic/tourism, and built environments. The consequence of each impact will be scored from 1 (low) to 5 (high).

Risk is calculated for each climate hazard and impact statement as the product of likelihood and consequence. The resulting scores highlight those hazards which are of greatest risk to the community.

Consequence Scoring Rubric

TRI and Associated are seeking insights to develop and refine the consequence scoring rubric which will be used in the CRA. The proposed consequence scoring rubric looks at the consequence of impacts to four categories:

Built Systems
Social Systems

Natural Systems
Economic/Tourism Systems

As you review the rubric and provide feedback, please consider the following:

- Do you agree with the criteria as they are laid out for low, medium, and high consequence scores?
- The rubric uses qualifying terms such "minor", "moderate", and "significant". How would you define these terms for each statement they apply to? If there a value such as cost or % that could be used to define minor versus moderate versus significant?
- Is there anything else you would like to add to evaluate the different levels and types of consequences?

Table 1:

Draft Consequence Scoring Rubric for Review

Consequence Score	Low - 1	Medium - 3	High - 5
Natural Systems	<ul style="list-style-type: none"> Minimal or no environmental disruption or damage to landscape, water resources, trees and other natural infrastructure. Affected resources recover full functionality within days, e.g., plants and wildlife only marginally affected. 	<ul style="list-style-type: none"> Isolated but eventually reversible damage to wildlife, habitat or and ecosystems, or short-term disruption to environmental amenities. Full restoration of function possible but could takes months or 1-2 years. 	<ul style="list-style-type: none"> Widespread and irreversible damage to wildlife, habitat and ecosystems, or long-term damage, disruption to environmental amenities. Full restoration of function is not possible or could take decades. Ecoregions experience a permanent shift, with more invasive species, loss of medicinal plants & other valued species.
Built Systems	<ul style="list-style-type: none"> Little or no expected additional financial costs to the community. Minimal or no impact on operations and delivery of services. Community members' reaction is minimal - little to no erosion of existing levels of trust in community administration. 	<ul style="list-style-type: none"> Cost of damages within community's funding capacity. Operation and services temporarily interrupted for weeks before backlog is cleared. Community members' reaction is moderate - negative views of community administration is held by an increased number of community members. 	<ul style="list-style-type: none"> Cost of damages far exceeds the community's funding capacity. Operation and services severely interrupted - additional resources required to clear backlog taking months. Community members' reaction is significant - negative views of community administration is widespread.
Social Systems	<ul style="list-style-type: none"> Minimal disruption to daily life, minimal or no change in community cohesion Minimal health effects No self-evacuations or displacement and/or no restrictions on travelling outside of community 	<ul style="list-style-type: none"> Week-long disruption to daily life with temporary feelings of fear and anxiety, moderate erosion of community cohesion Moderate health effects with some injuries or illnesses Small areas of community seeing temporary self-evacuations/ displacement and/or minor disruptions in travel away from or outside community 	<ul style="list-style-type: none"> Months long disruption to daily life (e.g., inability to access schools, recreation) with widespread psychological effects and erosion of community cohesion Significant and widespread health effects including fatalities, injuries, or illnesses Large areas of community requiring temporary evacuations, with some permanent displacement and/or significant impediments and blockages to travelling outside of community.
Economic/Tourism Systems	<ul style="list-style-type: none"> Disruption of tourism activities for a day to a week in non-peak season Minor decrease in revenue Little to no damage to tourist infrastructure (natural or built) Minimal public perception of the destination as unsafe or unappealing due to the hazard 	<ul style="list-style-type: none"> Disruption of tourism activities for a day to a week in peak season or weeks to months in non-peak season Moderate decrease in revenue Moderate damage to tourist infrastructure (natural or built) Public perception of the Town as less safe or slightly unappealing due to the hazard 	<ul style="list-style-type: none"> Disruption of tourism activities for weeks to months in peak season Significant decrease in revenue Significant damage to tourist infrastructure (natural or built) Significant public perception of the Town as unsafe or unappealing due to the hazard

Impact Statements

TRI and Associated are also seeking stakeholder insights to develop and refine the impact statements which will be used in the CRA. Each impact statement will be assessed based on the criteria in the rubric above. The proposed impacts are broken down by hazard and their system they primary impact (e.g. Social Systems, Economic/Tourism Systems, Natural Systems, Built Systems).

Hazards assessed include:



Drought



Severe Storms



Localized Flooding



River/Creek Flooding



Heavy Snow



Wildfires



Wildfire Smoke



Hail



Freezing Rain



High Winds



Extreme Heat



Freeze-Thaw Cycles



Shifting Ecoregion



Landslides/Avalanch



Glacial Recession

As you review the impact statements on the following pages and provide feedback, please consider the following:

- Are all the climate hazards you would like assessed covered in this list?
- Are any key impact statements missing?

The intent of the list is not to capture all possible impacts, but to focus on the most significant impacts.

Table 2:
Draft Impact Statements for Review

Type (natural, built, social, economic/tourism)	Impact / consequence	Comments
Drought		
Natural Systems	Increased tree mortality	
Natural Systems	Increased stress on aquatic and terrestrial ecosystems	
Natural Systems	Reduction in water availability / drinking water supply	
Built Systems	Water availability during prolonged dry spells	
Built Systems	Increased pressure on pumps at water network	
Built Systems	Longer season's impact on infrastructure operations	
Social Systems	Deteriorating water quality & water restrictions force use of bottled water	
Social Systems	Damage to trails, parks, playing fields	
Social Systems	Public perception and reactions to water conservation	
Economic/Tourism Systems	Lower water levels for water-based recreation	
Economic/Tourism Systems	Public perception and reactions to water conservation	
Economic/Tourism Systems	Deteriorating water quality & water restrictions force operational changes or limitations.	
Localized Flooding		
Natural Systems	Increased stress on aquatic habitat	



Memo To: Municipality of Jasper
 June 15, 2023
 - 8 -

Type (natural, built, social, economic/tourism)	Impact / consequence	Comments
Natural Systems	Damage and erosion to creek banks and riparian areas	
Natural Systems	Impacts to wildlife habitats and populations	
Built Systems	Damage to private property	
Built Systems	Damage to buildings and facilities	
Built Systems	Flooding of electrical infrastructure for critical services	
Built Systems	Impacts to municipal water treatment or raw water supply	
Built Systems	Flooding of/damage to roads (access/egress, community services)	Are impacts already observed on local roads? Highways?
Social Systems	Restricted access to, closure of trails, parks, playing fields	
Social Systems	Flooding of grazing lands	
Social Systems	Restricted access to transportation corridors (roads)	
Social Systems	Poor mental health and PTSD from repeated flooding	Is there a history of river flooding in any areas?
Economic/Tourism Systems	Interruptions or changes to tourism activities	
Economic/Tourism Systems	Disruption or closure of commercial operations.	
River Flooding		
Natural Systems	Increased stress on aquatic habitat	



Memo To: Municipality of Jasper
 June 15, 2023
 - 9 -

Type (natural, built, social, economic/tourism)	Impact / consequence	Comments
Natural Systems	Damage and erosion to riverbanks and riparian areas	
Natural Systems	Impacts to wildlife habitats and populations	
Built Systems	Damage to private property	
Built Systems	Damage to buildings and facilities	
Built Systems	Flooding of/damage to roads (access/egress, community services)	
Built Systems	Flooding of electrical infrastructure for critical services	
Built Systems	Impacts to municipal water treatment	
Social Systems	Increased risk of illness due to mold from flooded buildings, basements	
Social Systems	Residents displaced from their homes, temporarily or permanently	
Social Systems	Interruptions to critical community services (i.e. schools, medical centers, seniors homes, etc.)	
Social Systems	Food insecurity due to being cut off from surrounding communities	
Economic/Tourism Systems	Closure of key tourism transportation corridors due to flooding affecting access/egress	
Economic/Tourism Systems	Interruptions or changes to water-based tourism	
Economic/Tourism Systems	Damage to tourism infrastructure (i.e. hotels) restricting capacity	
Wildfires		
Natural Systems	Damage to terrestrial habitat	
Natural Systems	Decreased water quality due to runoff from wildfire areas	



Memo To: Municipality of Jasper
 June 15, 2023
 - 10 -

Type (natural, built, social, economic/tourism)	Impact / consequence	Comments
Built Systems	Transportation delays and disruptions on major routes (access/egress routes)	
Built Systems	Damage to private property	
Built Systems	Damages to buildings and facilities	
Built Systems	Power outages for critical facilities/services	
Built Systems	Widespread power outages	
Social Systems	Damage to (natural and built) sites of cultural heritage	
Social Systems	Residents displaced from their homes, temporarily or permanently	
Social Systems	Poor mental health & PTSD from fire events	
Social Systems	Interruptions to critical community services (i.e. schools, medical centers, seniors homes, etc.)	
Social Systems	Physical health impacts (e.g. asthma, respiratory)	
Social Systems	Food insecurity due to being cut off from surrounding communities	
Economic/Tourism Systems	Parks or camping sites are not accessible due to wildfires	
Economic/Tourism Systems	Earlier and longer fire bans decrease demand for camping	
Economic/Tourism Systems	Cancellation of or disruption to tourism operation activities	
Economic/Tourism Systems	Long term reputational impacts and reduction in future bookings. Increased perception of risk.	
Wildfire Smoke		



Memo To: Municipality of Jasper
 June 15, 2023
 - 11 -

Type (natural, built, social, economic/tourism)	Impact / consequence	Comments
Natural Systems	Decreased health to wildlife due to air quality	
Natural System	Increased risk of wildlife and human interactions due to decreased visibility (i.e. car accidents, wildlife accessing water sources and fleeing the fire)	
Natural System	Vegetation die off or degradation due to air quality	
Built Systems	Increased wear on filtration systems & AC units	
Built Systems	Smoke infiltrating into buildings (i.e. air tightness of buildings, type of filters on HVAC)	
Social Systems	Serious health implications, especially for those with respiratory problems	
Social Systems	Disruption to outdoor activities/events	
Economic/Tourism Systems	Town is less appealing to visit or to camp nearby during smoke events	
Economic/Tourism Systems	Cancellation of or disruption to tourism operation activities	
Lightning		



Memo To: Municipality of Jasper
 June 15, 2023
 - 12 -

Type (natural, built, social, economic/tourism)	Impact / consequence	Comments
Natural Systems	Lightning strikes causing wildfires	
Built Systems	Power outages for critical facilities/services	What backup power exists?
Built Systems	Community-wide power outage	
Built Systems	Widespread power outages	
Economic/Tourism Systems	Interruptions to nature-based tourism activities	
Hail		
Natural Systems	Damage to trees and shrubs leading to debris cleanup	
Built Systems	Damage to private property	
Built Systems	Hail damage to buildings and facilities	
Built Systems	Fallen debris and hail blocking catch basins, culverts and leading to localized flooding	
Social Systems	Possible displacement from homes if windows become damaged	
Social Systems	Increased strain on limited healthcare capacity	
Economic/Tourism Systems	Interruptions to nature-based tourism activities	



Memo To: Municipality of Jasper
 June 15, 2023
 - 13 -

Type (natural, built, social, economic/tourism)	Impact / consequence	Comments
Freezing rain		
Natural Systems	Damage to trees / tree branches – loss of habitat	
Natural Systems	Damage to trees/tree branches – increased clean up	
Built Systems	Damages to private property from fallen trees	
Built Systems	Damages to buildings and facilities from fallen trees or breakage of building components	
Built Systems	Power outages from fallen trees or ice accretion	
Built Systems	Road traffic accidents and transportation delays, including active transportation	
Built Systems	Increased salt use and sanding	
Built Systems	Fallen debris blocking catch basins, culverts leading to localized flooding	
Social Systems	Injuries from falls on iced surface. Increased strain on limited healthcare capacity.	
Economic/Tourism Systems	Cancellation of or disruption to tourism operation activities	
Economic/Tourism Systems	Loss of or impact to tourism reputation	
Economic/Tourism Systems	Closure of or reduced safety on key tourism transportation corridors	



Memo To: Municipality of Jasper
 June 15, 2023
 - 14 -

Type (natural, built, social, economic/tourism)	Impact / consequence	Comments
High winds		
Natural Systems	Increased blowing dust removing topsoil	
Natural Systems	Damage to trees / tree branches – loss of habitat	
Natural Systems	Damage to trees/tree branches – increased clean up	
Built Systems	Damages to private property from fallen trees	
Built Systems	Damages to facilities and infrastructure from fallen trees	
Built Systems	Power outages (i.e. downed trees near powerlines)	
Built Systems	Road traffic accidents and transportation delays, including active transportation	
Built Systems	Fallen debris blocking catch basins, culverts leading to flooding if it rains before debris cleanup	
Social Systems	Restricted access to, closure of trails, parks, playing fields	
Social Systems	Injuries and potential fatalities	
Social Systems	Possible displacement from homes if roofs become damaged	
Economic/Tourism Systems	Damage to hotels impacting availability	
Economic/Tourism Systems	Cancellation of or disruption to tourism operation activities	



Memo To: Municipality of Jasper
 June 15, 2023
 - 15 -

Type (natural, built, social, economic/tourism)	Impact / consequence	Comments
Heavy snow		
Natural Systems	Damage to trees / tree branches – loss of habitat	
Natural Systems	Damage to trees/tree branches – increased deadfall	
Built Systems	Damages to private property (i.e. snow load, fallen trees)	
Built Systems	Damages to buildings and facilities (i.e. snow load on buildings, fallen trees)	
Built Systems	Power outages from downed trees or snow load on powerlines	
Built Systems	Road traffic accidents and transportation delays, including active transportation	
Built Systems	Maintenance and operational costs for snow clearing	
Built Systems	Blockage and/or icing of catch basins leading to flooding during snow melt	
Social Systems	Health risks from isolation or inability to access services particularly for vulnerable populations (elderly)	
Social Systems	Food insecurity due to being cut off from surrounding communities	
Economic/Tourism Systems	Changes to demand for skiing and snow-based recreational offerings	
Economic/Tourism Systems	Closure of or reduced safety on key tourism transportation corridors	



Memo To: Municipality of Jasper
 June 15, 2023
 - 16 -

Type (natural, built, social, economic/tourism)	Impact / consequence	Comments
Extreme heat		
Natural Systems	Algae blooms in ponded or slow-moving water compromise water quality	Confirm water source, also impacts recreational ponds/lakes
Natural Systems	Increased heat stress for wildlife and aquatic populations	
Built Systems	Increased usage of building mechanical systems (i.e. cooling)	
Built Systems	Need for cooling spaces	
Built Systems	Damages to/increased deterioration of road & bridge materials	
Social Systems	Health impacts including mortality especially for vulnerable community (elders, children, medical issues)	
Social Systems	Risk to people working outdoors	
Social Systems	Risk to people indoors without air conditioning	
Social Systems	Reduction in labour supply and labour (e.g. restaurant and kitchen staff, hotels, service industry)	
Economic/Tourism Systems	Decline in use of outdoor recreation spaces	Including recreational ponds/lakes
Economic/Tourism Systems	Decline in participation in nature-based tourism activities	



Memo To: Municipality of Jasper
 June 15, 2023
 - 17 -

Type (natural, built, social, economic/tourism)	Impact / consequence	Comments
Freeze-thaw cycles		
Built Systems	Damage to, and decreased service life of, buildings and infrastructure	
Built Systems	Damage to, and decreased service life of, water mains and service lines	
Economic/Tourism Systems	Disruptions in the use of winter recreation activities	
Shifting ecoregion		
Natural Systems	Increase in invasive species and pests	
Natural Systems	Loss of medicinal plants and other wild crops	
Natural Systems	Changes in habitat resulting in changes in wildlife in the area	
Social Systems	Negative health outcomes from vector-borne diseases	
Social Systems	Economic losses due to the absence of traditional food and harvesting sources	
Social Systems	Dietary changes as traditional food sources disappear, possible health impacts	
Economic/Tourism Systems	Changes in availability of nature-based tourism activities	



Memo To: Municipality of Jasper
 June 15, 2023
 - 18 -

Type (natural, built, social, economic/tourism)	Impact / consequence	Comments
Landslides/Avalanches		
Natural Systems	Loss of recreational areas (skiing, trails, camping sites)	
Built Systems	Blockage of roads and disruption of Town access/egress	
Built Systems	Damage to buildings, including residential homes, municipal buildings, and businesses	
Social Systems	Injuries or fatalities from falling snow/debris	
Economic/Tourism Systems	Decreased access to backcountry recreation areas or increased risk associated with backcountry recreation	
Economic/Tourism Systems	Closure of or reduced safety on key tourism transportation corridors	
Economic/Tourism Systems	Disruption or closure of commercial operations.	
Glacial Recession		



Memo To: Municipality of Jasper
 June 15, 2023
 - 19 -

Type (natural, built, social, economic/tourism)	Impact / consequence	Comments
Natural Systems	Reduction of raw water supply (surface water baseflow and groundwater)	
Natural Systems	Loss of viable habitat for local flora/fauna	
Natural Systems	Formation of new glacial lakes which could fail comparable to a dam release	What is downstream of the toe of glaciers in the area?
Natural Systems	Slope destabilization	
Built Systems	Damage to or flooding of infrastructure on downstream side of glacier (ice breakage or large release)	
Economic/Tourism Systems	Decreased tourism activity to visit/recreate at glaciers	



Proclamation Rail Safety Week

- Whereas** Rail Safety Week will be held in Canada from September 18-24, 2023;
- Whereas** 232 railway crossing and trespassing incidents occurred in Canada in 2022; resulting in 66 avoidable fatalities and 43 avoidable serious injuries;
- Whereas** Educating and informing the public about rail safety (reminding the public that railway rights-of-way are private property, enhancing public awareness of the dangers associated with highway rail grade crossings, ensuring pedestrians and motorists are looking and listening while near railways, and obeying established traffic laws) will reduce the number of avoidable fatalities and injuries caused by incidents involving trains and citizens;
- Whereas** Operation Lifesaver is a public/private partnership whose aim is to work with the public, rail industry, governments, police services, media and others to raise rail safety awareness; and
- Whereas** CN has requested Jasper Municipal Council adopt this resolution in support of its ongoing efforts to raise awareness, save lives and prevent injuries in communities, including our municipality;

Now, therefore, I, Mayor Richard Ireland, on behalf of Council and the Municipality of Jasper, do hereby proclaim the week of September 18-24, 2023 as Rail Safety Week.

DATE: September 5, 2023

SIGNATURE:

Richard Ireland
Mayor
Municipality of Jasper

**MUNICIPALITY OF JASPER
BYLAW #256**

AGENDA ITEM 6.5

BEING A BYLAW OF THE MUNICIPALITY OF JASPER IN THE PROVINCE OF ALBERTA TO AUTHORIZE COUNCIL TO INCUR INDEBTEDNESS BY THE ISSUANCE OF DEBENTURE IN THE AMOUNT OF \$11,500,000 FOR THE PURPOSE OF THE JASPER RECREATION COMPLEX RENOVATION PHASE 2 IN THE MUNICIPALITY OF JASPER.

WHEREAS Municipality of Jasper owns and operates the Jasper Recreation Complex, which includes the Jasper Fitness and Aquatic Centre, the Jasper Activity Centre and Arena (the "Complex");

AND WHEREAS the safe, efficient and effective operation of the Complex now requires the Complex to undergo extensive capital renovations;

AND WHEREAS Council of the Municipality of Jasper has approved a Capital Budget which includes the expenditure of funds for intended renovations to the Complex in Phases (the "Project");

AND WHEREAS plans and specifications have been prepared and the total cost of the project is estimated to be \$20,400,000;

AND WHEREAS the Municipality estimates the following grants and contributions will be applied to the project:

Capital Reserves	\$692,491
Municipal Sustainability Initiative (Provincial)	\$4,542,925
Infrastructure Canada Improvement Plan (Federal)	\$3,664,584
Debenture	<u>\$11,500,000</u>
Total Cost	\$20,400,000

AND WHEREAS in order to complete the project it will be necessary for the Municipality to borrow the sum of \$11,500,000 for a period not to exceed TWENTY (20) years from the Province of Alberta or another authorized financial institution, by the issuance of debentures and on the terms and conditions referred to in this bylaw;

AND WHEREAS the estimated lifetime of the project financed under this bylaw is equal to, or in excess of TWENTY (20) years;

AND WHEREAS the principal amount of outstanding debt of the Municipality of Jasper at December 31st, 2022 is \$11,072,827 and no part of the principal or interest is in arrears;

AND WHEREAS all required approvals for the project have been obtained and the project is in compliance with all Acts and Regulations of the Government of Canada and the Province of Alberta.

NOW, THEREFORE, the Council of the Municipality of Jasper in the Province of Alberta, duly assembled enacts as follows:

1. CITATION

- 1.1 This Bylaw may be cited as Municipality of Jasper Bylaw #256, "Jasper Recreation Complex Renovation Phase 2 Borrowing Bylaw 2023".

2. DEFINITIONS

- 2.1 In this Bylaw:

- 2.1.1 "*Council*" shall mean the Council of the Municipality of Jasper;
- 2.1.2 "*Municipality*" and "*Municipality of Jasper*" shall mean the Municipality of Jasper in Jasper National Park in the Province of Alberta;
- 2.1.3 "*Jasper Activity Centre*" shall mean the building and the project of the same name to be renovated by the Municipality of Jasper on or about Parcel CW in the Municipality of Jasper in Jasper National Park of Canada;
- 2.1.4 "*Jasper Fitness and Aquatic Centre*" shall mean the building and the project of the same name to be renovated by the Municipality of Jasper on or about Parcel R10 in the Municipality of Jasper in Jasper National Park of Canada.

3. BORROWING

- 3.1 That for the purpose of renovating the Jasper Recreation Renovation (Phase 2) in the sum of ELEVEN MILLION FIVE HUNDRED THOUSAND DOLLARS (\$11,500,000) be borrowed from the Province of Alberta or another authorized financial institution by way of debenture on the credit and security of the Municipality of Jasper at large.
- 3.2 The net amount borrowed under the bylaw shall be applied only to the project specified by this bylaw.

4. DEBENTURES

- 4.1 The proper officers of the Municipality of Jasper are hereby authorized to issue debenture(s) on behalf of the Municipality for the amount and purpose authorized by this bylaw, namely the renovation of the Jasper Recreation Complex (Phase 2).
- 4.2 The debentures to be issued under this Bylaw may be in any denomination not exceeding the amount authorized by this Bylaw and shall be dated having regard to the date of the borrowing but shall in no event be dated later than 31 December 2024.
- 4.3 The indebtedness shall be contracted on the credit and security of the Municipality.

5. REPAYMENT

- 5.1 The Municipality shall repay the indebtedness according to the repayment structure in effect, namely annual or semi-annual equal payments of combined principal and interest instalments not to exceed TWENTY (20) years calculated at a rate not exceeding the interest rate fixed by the Province of Alberta or another authorized financial institution on the date of the borrowing, and not to exceed EIGHT (8) percent.

6. SEVERANCE

6.1 If any provision herein is adjudged by a Court of competent jurisdiction to be invalid for any reason, then that provision shall be severed from the remainder of this Bylaw and all other provisions of this Bylaw shall remain valid and enforceable.

7. COMING INTO EFFECT

7.1 This Bylaw shall come into force and effect on the final day of passing thereof.

7.2 If any provision herein is adjudged to be repugnant to any federal regulation or legislation, this Bylaw shall continue in full force and effect, but any such repugnant provision shall be of no force or effect until such time as the repugnancy is removed by repeal or amendment of the federal legislation or regulation.

GIVEN FIRST READING THIS 18th DAY OF JULY 2023.

GIVEN SECOND READING THIS ____ DAY OF _____ 2023.

GIVEN THIRD AND FINAL READING THIS ____ DAY OF _____ 2023.

Mayor

Chief Administrative Officer

**MUNICIPALITY OF JASPER
BYLAW #255**

AGENDA ITEM 6.6

BEING A BYLAW OF THE MUNICIPALITY OF JASPER IN THE PROVINCE OF ALBERTA TO AUTHORIZE THE COUNCIL TO INCUR INDEBTEDNESS BY THE ISSUANCE OF DEBENTURE IN THE AMOUNT OF \$2,650,000 FOR THE PURPOSE OF WASTEWATER TREATMENT FACILITIES RENOVATIONS AND UPGRADES IN THE MUNICIPALITY OF JASPER.

WHEREAS Municipality of Jasper owns the Jasper Wastewater Treatment Facilities;

AND WHEREAS the requirement for safe and efficient operation of the facility now requires renovations and upgrades to Wastewater Treatment Facilities;

AND WHEREAS plans and specifications have been prepared and the total cost of the project is estimated to be \$4,194,070;

AND WHEREAS the Municipality estimates the following grants and contributions will be applied to the project:

Alberta Municipal Water/Wastewater Partnership (AMWWP)	\$1,544,070
Debenture	\$2,650,000
Total Cost	<u>\$4,194,070</u>

AND WHEREAS in order to complete the project it will be necessary for the Municipality to borrow the sum of \$2,650,000 for a period not to exceed **TWENTY (20)** years from the Province of Alberta or another authorized financial institution, by the issuance of debentures and on the terms and conditions referred to in this bylaw;

AND WHEREAS the estimated lifetime of the project financed under this bylaw is equal to, or in excess of **TWENTY (20)** years;

AND WHEREAS the principal amount of outstanding debt of the Municipality of Jasper at December 31st, 2022 is \$11,072,827 and no part of the principal or interest is in arrears;

AND WHEREAS all required approvals for the project have been obtained and the project is in compliance with all Acts and Regulations of the Government of Canada and the Province of Alberta.

NOW, THEREFORE, the Council of the Municipality of Jasper in the Province of Alberta, duly assembled enacts as follows:

1. CITATION

- 1.1 This Bylaw may be cited as Municipality of Jasper Bylaw #255, "Wastewater Treatment Facilities Borrowing Bylaw 2023".

2. DEFINITIONS

2.1 In this Bylaw:

- 2.1.1 "*Council*" shall mean the Council of the Municipality of Jasper;
- 2.1.2 "*Municipality*" and "*Municipality of Jasper*" shall mean the Municipality of Jasper in Jasper National Park in the Province of Alberta;
- 2.1.3 "*Jasper Wastewater Treatment facilities*" shall mean the building and the project of the same name to be renovated by the Municipality of Jasper, located in the NW¹/₄ Section 22 Township 45 Range 1 West of the 6th Meridian and at Coordinates 52.87339N, 118.08230W in Jasper National Park of Canada, in the Province of Alberta.

3. BORROWING

- 3.1 That for the purpose of completing services to Wastewater Treatment Renovation and Upgrades in the sum of TWO MILLION SIX HUNDRED AND FIFTY THOUSAND DOLLARS (\$2,650,000) be borrowed from the Province of Alberta or another authorized financial institution by way of debenture on the credit and security of the Municipality of Jasper at large.
- 3.2 The net amount borrowed under the bylaw shall be applied only to the project specified by this bylaw.

4. DEBENTURES

- 4.1 The proper officers of the Municipality of Jasper are hereby authorized to issue debenture(s) on behalf of the Municipality for the amount and purpose authorized by this bylaw, namely the renovation and upgrades of the Wastewater Treatment Facilities.
- 4.2 The debentures to be issued under this Bylaw may be in any denomination not exceeding the amount authorized by this Bylaw and shall be dated having regard to the date of the borrowing but shall in no event be dated later than 31 December 2024.
- 4.3 The indebtedness shall be contracted on the credit and security of the Municipality.

5. REPAYMENT

- 5.1 The Municipality shall repay the indebtedness according to the repayment structure in effect, namely annual or semi-annual equal payments of combined principal and interest instalments not to exceed **TWENTY (20)** years calculated at a rate not exceeding the interest rate fixed by the Province of Alberta or another authorized financial institution on the date of the borrowing, and not to exceed EIGHT (8) percent.

6. SEVERANCE

6.1 If any provision herein is adjudged by a Court of competent jurisdiction to be invalid for any reason, then that provision shall be severed from the remainder of this Bylaw and all other provisions of this Bylaw shall remain valid and enforceable.

7. COMING INTO EFFECT

7.1 This Bylaw shall come into force and effect on the final day of passing thereof.

7.2 If any provision herein is adjudged to be repugnant to any federal regulation or legislation, this Bylaw shall continue in full force and effect, but any such repugnant provision shall be of no force or effect until such time as the repugnancy is removed by repeal or amendment of the federal legislation or regulation.

GIVEN FIRST READING THIS 18th DAY OF JULY 2023.

GIVEN SECOND READING THIS ___ DAY OF _____ 2023.

GIVEN THIRD AND FINAL READING THIS ___ DAY OF _____ 2023.

Mayor

Chief Administrative Officer



DIRECTOR'S REPORT

AGENDA ITEM 6.7

Natasha Malenchak,
Director of Finance & Administration

April 1- Aug 31, 2023

*Reports to March 31 and June 30, 2023

Major Projects

Information Technology

- Diagnosed and removed damaged card printer causing Internet crashes on all computers at activity center.
- Upgraded several workstations.
- Performed several user and workstation audits to prepare for knowbe4 consultants.
- Started Knowbe4 staff security training for all full-time users.
- Generator hooked up to server room.
- Terminated and connected fiber for Ice Plant.
- Moved activity centre desk, phones, and cameras for renovation.
- Installed adobe pro for finance employees.
- Installed high speed Internet and new phone system at operations.

Budget and Planning

- 2024-2026 Budget Planning sessions have begun.
- External Group funding requests will be presented at Committee of the Whole Meeting:
November 14, 2023 (starting at 9:30am)
- Public Budget Presentations scheduled for:
November 21 and 22, 2023 (starting at 9am)

Grants

- Statement of Funding Expenditure for Grants were submitted by May 1st and project applications for 2023 projects have been added to grant funding portals.
- 2023 Grant Funding allocation announcements for Jasper indicate:
 - o Alberta Municipal Water/Wastewater Partnership
 - Amount approved for WWTP Renovation/Updates - \$1,544,070

Staffing

- Finance Manager position has been posted and management is working on selection process.
- Front desk part time /on call coverage has been filled and training has begun.
- HR Coordinator has resigned as of September 8th and position has been filled to begin on September 11, 23.

Service

Administration

- 786 Business Licenses registered for 2023 to date, 500 of those being residential.
- Request for Proposal issued to Alberta Purchasing Connection for:
 - o IT Master Plan
 - o Asset Retirement Obligation – PSAB 3280
- Since last report, utilities have been posted for 4 more months. 6 months of revenue for all utilities is at its expected 50% target.

Assessment & Taxation

- Municipality had received 4 appeals requesting 5.8 million in assessment change from 1.8 billion of the current 2022 assessment. All 4 were resolved without having to go to hearing resulting in 1.2 million in adjustments.

Paid Parking

- Paid parking is anticipated to generate over the budgeted amount for 2023.

Communications & Engagement

- 2023 Tax Notices were mailed out by June 15, 2023, and payments were due by July 17, 2023.
- 3% of posted tax levy is in arrears for the 2023 tax season.
- Borrowing Bylaws for WWTP and Recreation Renovation have received 1st reading, advertisements issued for 2 weeks and returning for 2nd reading at this September 5th meeting. Borrowing Bylaw for WWTP returning with amendment to term.
- Reserve Request for Decision being presented to council at the September 12th COTW for decision on September 19, 2023



MUNICIPALITY OF JASPER
2023 Operating Budget
Summary of All Units

For the Three Months Ending Friday, March 31, 2023

	YTD 2023	Budget	Variance
Revenue:			
Finance & Administration - Revenue	435,094	20,048,584	19,613,490
Legislative & Protective Services - Revenue	137,336	1,523,541	1,386,205
Operations - Revenue	1,022,670	8,042,300	7,019,631
Community Development - Revenue	1,240,161	4,028,435	2,788,275
Total Revenue	2,835,260	33,642,860	30,807,601
Expense:			
Finance & Administration - Expense	1,598,313	11,754,487	10,156,174
Legislative & Protective Services - Expense	451,503	3,302,083	2,850,580
Operations - Expense	1,270,559	11,008,081	9,737,521
Community Development - Expense	1,447,883	7,578,209	6,130,326
Total Expense	4,768,259	33,642,860	28,874,601
Net Surplus/(Deficit):			
Finance & Administration - Net Surplus/(Deficit)	-1,163,220	8,294,096	9,457,316
Legislative & Protective Services - Net Surplus/(Deficit)	-314,168	-1,778,542	-1,464,375
Operations - Net Surplus/(Deficit)	-247,890	-2,965,780	-2,717,890
Community Development - Net Surplus/(Deficit)	-207,723	-3,549,774	-3,342,051
Total Net Surplus/(Deficit)	-1,933,000	0	1,933,000



MUNICIPALITY OF JASPER
2023 Operating Budget
Summary of All Units
 For the Six Months Ending Friday, June 30, 2023

	YTD 2023	Budget	Variance
Revenue:			
Finance & Administration - Revenue	17,137,597	20,048,584	2,910,987
Legislative & Protective Services - Revenue	546,371	1,523,541	977,170
Operations - Revenue	1,946,589	8,042,300	6,095,712
Community Development - Revenue	2,450,630	4,028,435	1,577,806
Total Revenue	22,081,186	33,642,860	11,561,674
Expense:			
Finance & Administration - Expense	3,508,160	11,754,487	8,246,327
Legislative & Protective Services - Expense	1,809,497	3,302,083	1,492,586
Operations - Expense	4,584,329	11,008,081	6,423,752
Community Development - Expense	3,524,173	7,578,209	4,054,036
Total Expense	13,426,160	33,642,860	20,216,701
Net Surplus/(Deficit):			
Finance & Administration - Net Surplus/(Deficit)	13,629,437	8,294,096	-5,335,340
Legislative & Protective Services - Net Surplus/(Deficit)	-1,263,126	-1,778,542	-515,416
Operations - Net Surplus/(Deficit)	-2,637,740	-2,965,780	-328,040
Community Development - Net Surplus/(Deficit)	-1,073,544	-3,549,774	-2,476,230
Total Net Surplus/(Deficit)	8,655,027	0	-8,655,026



MUNICIPALITY OF JASPER
2023 Operating Budget
Council

For the Three Months Ending Friday, March 31, 2023

	YTD 2023	Budget	Variance
Revenue:			
1-62-03-00-920 ComServices-Transfer from Restricted	0.00	10,000	10,000
Total Revenue	0.00	10,000	10,000
Expense:			
2-11-17-00-210 Leg-All Travel & Subsistance (Council)	7,980	25,000	17,020
2-11-17-00-214 Leg-Council-Professional Development	2,123	16,000	13,877
2-11-18-00-110 Leg-Salaries R. Ireland Honorary and meetings	24,576	84,957	60,381
2-11-18-00-130 Leg-Benefits R. Ireland	2,656	8,514	5,858
2-11-20-00-110 Coun-Salaries Melnyk Hon & Meeting	8,203	23,985	15,782
2-11-20-00-130 Coun-Benefits Melnyk Hon & Meetings	1,682	5,683	4,001
2-11-22-00-110 Leg-Salaries H. Kelleher-Empey Honorary and meet	5,915	23,985	18,069
2-11-22-00-130 Leg-Benefits H. Kelleher-Empey	1,545	5,683	4,137
2-11-25-00-110 Leg-Salaries S. Wilson Honorary and meetings	4,655	23,985	19,330
2-11-25-00-130 Leg-Benefits S. Wilson	1,470	5,683	4,212
2-11-27-00-110 Leg-Salaries R. Damota	7,176	23,985	16,809
2-11-27-00-130 Leg-Benefits R.Damota	1,620	5,683	4,062
2-11-32-00-110 Leg-Salaries W.Hall	8,016	23,985	15,969
2-11-32-00-130 Leg-Benefits W.Hall	1,670	5,683	4,012
2-11-33-00-110 Leg-Salaries K.Waxer	6,055	23,985	17,929
2-11-33-00-130 Leg-Benefits K.Waxer	1,554	5,683	4,129
2-11-01-00-242 Leg-Council-Major Projects	2,500	10,000	7,500
2-62-22-00-202 Leg-Alberta-Japan Conference Hosting	1,500	6,000	4,500
2-11-23-00-210 Leg-Council - Council Projects	0.00	7,800	7,800
2-11-01-00-252 Leg-Council-Contract Mtn & Rep Comp	0.00	695	695
2-11-01-00-762 Leg-Transfer to Restricted Computer Council	0.00	3,500	3,500
2-11-02-00-217 Leg-Council Hospitality Costs	0.00	2,081	2,081
2-62-22-00-761 ComServices-Hakone Exchange (Trf to Reserve)	0.00	2,000	2,000
2-62-22-00-201 ComServices-Hakone Travel & Subsistance	0.00	10,000	10,000
Total Expense	90,896	354,552	263,655
Net Surplus/(Deficit)	-90,896	-344,552	-253,655



MUNICIPALITY OF JASPER
2023 Operating Budget
Council

For the Six Months Ending Friday, June 30, 2023

	YTD 2023	Budget	Variance
Revenue:			
1-62-22-00-490 Leg-AlbertaJapan-Conference Hosting Registration	3,495	0.00	-3,495
1-62-22-00-591 Leg -AlbertaJapan-Conference Hosting Donations	1,000	0.00	-1,000
1-62-03-00-920 ComServices-Transfer from Restricted	0.00	10,000	10,000
Total Revenue	4,495	10,000	5,505
Expense:			
2-11-17-00-210 Leg-All Travel & Subsistance (Council)	15,442	25,000	9,558
2-11-17-00-214 Leg-Council-Professional Development	5,687	16,000	10,313
2-11-18-00-110 Leg-Salaries R. Ireland Honorarium and meetings	49,946	84,957	35,011
2-11-18-00-130 Leg-Benefits R. Ireland	5,359	8,514	3,155
2-11-20-00-110 Coun-Salaries Melnyk Hon & Meeting	14,631	23,985	9,353
2-11-20-00-130 Coun-Benefits Melnyk Hon & Meetings	3,258	5,683	2,425
2-11-22-00-110 Leg-Salaries H. Kelleher-Empey Honorarium and meet	13,371	23,985	10,614
2-11-22-00-130 Leg-Benefits H. Kelleher-Empey	3,183	5,683	2,500
2-11-23-00-210 Leg-Council - Council Projects	7,500	7,800	300
2-11-25-00-110 Leg-Salaries S. Wilson Honorarium and meetings	12,017	23,985	11,967
2-11-25-00-130 Leg-Benefits S. Wilson	3,102	5,683	2,581
2-11-27-00-110 Leg-Salaries R. Damota	11,831	23,985	12,154
2-11-27-00-130 Leg-Benefits R.Damota	3,091	5,683	2,592
2-11-32-00-110 Leg-Salaries W.Hall	16,265	23,985	7,720
2-11-32-00-130 Leg-Benefits W.Hall	3,355	5,683	2,328
2-11-33-00-110 Leg-Salaries K.Waxer	12,204	23,985	11,781
2-11-33-00-130 Leg-Benefits K.Waxer	3,113	5,683	2,570
2-11-01-00-242 Leg-Council-Major Projects	12,500	10,000	-2,500
2-11-01-00-252 Leg-Council-Contract Mtn & Rep Comp	348	695	348
2-11-01-00-762 Leg-Transfer to Restricted Computer Council	3,500	3,500	0.00
2-62-22-00-761 ComServices-Hakone Exchange (Trf to Reserve)	2,000	2,000	0.00
2-62-22-00-202 Leg-Alberta-Japan Conference Hosting	10,003	6,000	-4,003
2-11-02-00-217 Leg-Council Hospitality Costs	0.00	2,081	2,081
2-62-22-00-201 ComServices-Hakone Travel & Subsistance	0.00	10,000	10,000
Total Expense	211,706	354,555	142,848
Net Surplus/(Deficit)	-207,211	-344,555	-137,343



MUNICIPALITY OF JASPER Capital Reporting

For the Three Months Ending Friday, March 31, 2023

	2023 YTD	2023 Budget	Variance
Administration			
6-12-01-23-201 PSAB Study		60,000.00	60,000.00
6-12-01-23-202 Space Analysis		30,000.00	30,000.00
IT			
6-12-01-23-632 Activity Centre Network Upgrades		17,000.00	17,000.00
6-12-03-23-201 IT Master Plan		30,000.00	30,000.00
6-12-03-23-630 Network Infrastructure Upgrade (Annual Program)		20,000.00	20,000.00
6-12-03-23-631 Server (CFS)		32,000.00	32,000.00
Housing			
6-12-01-21-203 Housing- Affordable Housing Initiative		151,586.50	151,586.50
6-67-01-23-201 CMHC Loan Repayment		49,243.00	49,243.00
6-67-01-23-202 Housing Master Plan		30,000.00	30,000.00
6-67-01-23-620 JCHC Community Housing - Parcel GC Site Dev & Cons		5,000,000.00	5,000,000.00
Daycare			
6-53-01-22-620 Daycare interior and exterior windows		20,000.00	20,000.00
Municipal Buildings			
6-67-14-21-620 Cottage Clinic Interior and Exterior Repairs		10,000.00	10,000.00
6-67-14-22-620 Cabin Creek Housing Repairs		50,000.00	50,000.00
6-74-01-21-620 Library- Exterior Wood Refinishing		20,000.00	20,000.00
6-74-01-21-621 Library- Basement Window Concrete Lintel Repairs		15,000.00	15,000.00
6-74-01-21-622 Library- Site Drainage and Egress Improvements		20,000.00	20,000.00
Protective Services			
6-23-01-22-650 Command Fleet	66,517.61	89,212.18	22,694.57
6-23-01-23-631 Wildland Interface/SPU Equipment	33,623.85	75,000.00	41,376.15
6-23-01-23-651 Engine 2 Replacement	475.98	350,000.00	349,524.02
6-23-01-21-632 Fire- Roof access, fall protection, key system		22,500.00	22,500.00
6-23-01-21-636 Fire- ESB Biler and DHW Replacement		8,730.00	8,730.00
6-23-01-22-651 Engine 2 Replacement		271,581.99	271,581.99
6-23-01-23-201 Wildfire Tactical Plan		25,000.00	25,000.00
6-23-01-23-610 Sidewalk and Parking Plugs		80,000.00	80,000.00
6-23-01-23-611 Stuctural Protection Unit (SPU) Driveway		80,000.00	80,000.00
6-23-01-23-620 Training Room Kitchen Renovation		50,000.00	50,000.00
6-23-01-23-630 Keyless Entry System		20,000.00	20,000.00
6-23-01-23-650 Command Fleet		150,000.00	150,000.00
6-26-01-23-630 E-ticketing		25,000.00	25,000.00
Legislative			
6-11-01-23-630 Records Management Capital		15,000.00	15,000.00
Operations General			
6-31-01-23-650 Service Van	68,945.20	60,000.00	-8,945.20
6-31-01-23-651 Maintenance Van (Replacement)	36,006.20	60,000.00	23,993.80
6-31-31-21-631 Ops- Used Oil and Filter storage	6,962.17	5,965.90	-996.27
6-31-01-21-631 Maintenance- Lock out tag our panel for buildings		2,071.53	2,071.53
6-31-01-23-630 Boom Lift		150,000.00	150,000.00
6-31-01-23-631 Power Monitoring Test Programmer		30,000.00	30,000.00
6-31-01-23-632 Vibration Monitor		50,000.00	50,000.00
6-31-01-23-633 IR Camera		30,000.00	30,000.00
6-31-31-23-620 Wash bay lighting		25,000.00	25,000.00
6-31-31-23-621 Maintenance Office & Storage Expansion & Redesign		30,000.00	30,000.00
6-31-31-23-622 Roof Access Improvements (Pending Assessment)		50,000.00	50,000.00
6-31-31-23-630 Office HVAC Replacement		100,000.00	100,000.00
6-31-31-23-631 Lock out Tag Panels		20,000.00	20,000.00

	2023 YTD	2023 Budget	Variance
Roads			
6-32-02-23-631 Salt Spreader	28,916.00	15,000.00	-13,916.00
6-32-02-23-632 Zero Turn Rubber Track hoe w/Trailer (Replacement)	113.00	150,000.00	149,887.00
6-32-02-23-633 Snowcat	92,000.00	120,000.00	28,000.00
6-32-02-23-634 Snowblower	74,995.00	150,000.00	75,005.00
6-32-02-22-611 Sidewalk Replacement/Repair		25,050.00	25,050.00
6-32-02-22-612 Green Alley		1,305.00	1,305.00
6-32-02-23-201 Steetscape Study		80,000.00	80,000.00
6-32-02-23-202 Public Transportation Sys (+operating support 70k)		170,000.00	170,000.00
6-32-02-23-610 Road Repair		300,000.00	300,000.00
6-32-02-23-611 Sidewalk Replacement/Repair		100,000.00	100,000.00
6-32-02-23-630 Parking Meters		25,000.00	25,000.00
6-32-03-00-201 Wayfinding Signage		30,000.00	30,000.00
Grounds			
6-72-10-23-633 Trackless utility Tractor	38,200.00	35,000.00	-3,200.00
6-72-10-21-621 Log Cabin portion of renovations		200,000.00	200,000.00
6-72-10-22-631 Memorial Bench Program		3,161.32	3,161.32
6-72-10-22-640 Skatepark		927,500.00	927,500.00
6-72-10-23-201 Hazardous/fruit trees maintenance		30,000.00	30,000.00
6-72-10-23-630 Irrigation upgrade		25,000.00	25,000.00
6-72-10-23-631 Memorial Bench Program		15,000.00	15,000.00
6-72-10-23-632 Jasper Stage Heaters and Retractable Walls		225,000.00	225,000.00
6-72-10-23-634 Turf Maintenance Equipment		60,000.00	60,000.00
6-72-10-23-640 Columnbarium & Cemetery Improvements		180,000.00	180,000.00
6-72-10-23-641 Underpass Beautification/H&S		20,000.00	20,000.00
6-72-10-23-642 Sportfield Upgrade		100,000.00	100,000.00
6-72-10-23-650 4x4 Quad Cab 1 Ton (Replacement)		100,000.00	100,000.00
6-72-10-23-651 4x4 3/4 Ton (Replacement)		70,000.00	70,000.00
Water			
6-41-01-23-632 Enclosed Trailer	22,116.96	30,000.00	7,883.04
6-41-01-23-633 Chlorine Analyzer Replacement	9,210.81	11,000.00	1,789.19
6-41-01-21-633 Water- Hydraulic modelling		37,383.08	37,383.08
6-41-01-22-630 Annual Valve Replacement Program		187,599.58	187,599.58
6-41-01-22-650 Service Van (Replacement)		70,000.00	70,000.00
6-41-01-23-201 Treatment Process review and capital plan		150,000.00	150,000.00
6-41-01-23-202 Interactive Website WT facility tour		5,000.00	5,000.00
6-41-01-23-203 Utility Master and Infrastructure Renewal Plan		100,000.00	100,000.00
6-41-01-23-630 Annual Valve Replacement Program		50,000.00	50,000.00
6-41-01-23-631 Annual Hydrant rebuilds - 20 units/yr -ongoing BMP		55,000.00	55,000.00
6-41-01-23-640 Parcel CH Servicing		903,000.00	903,000.00
6-41-01-23-650 4x4 1 Ton (Replacement)		100,000.00	100,000.00
Sewer			
6-42-01-21-611 Sewer- Sanitary RV disposal portin of S Block	-49,261.64	91,455.85	140,717.49
6-42-01-23-620 Bulk Water Sani Dump Control Building	556.47	525,000.00	524,443.53
6-42-01-21-610 Sewer- Abandon Trailer Park Manholes		17,930.00	17,930.00
6-42-01-21-631 Sewer- Main line camera for structural assessment		115,349.18	115,349.18
6-42-01-22-203 WWTP Annual Capital Requirement	162061.88	2,538,500.00	2,376,438.12
6-42-01-22-632 Sewer Flow Meter		116,074.70	116,074.70
6-42-01-23-201 WWTP Annual Capital Requirement		1,121,500.00	1,121,500.00
6-42-01-23-202 WWTP Solar Farm Feasibility Study		50,000.00	50,000.00
6-42-01-23-203 Interactive Website WWT facility tour		5,000.00	5,000.00
6-42-01-23-630 Lateral Downsize Repairs		120,000.00	120,000.00
6-42-01-23-631 Rapid Assessment system		50,000.00	50,000.00
6-42-01-23-640 Parcel CH Servicing		903,000.00	903,000.00
Garbage & Recycling			
6-43-01-21-202 Garbage- Operations Service Review		40,000.00	40,000.00
6-43-01-22-630 Garbage Bin Replacement Program		10,881.66	10,881.66
6-43-01-23-630 Garbage Bin Replacement Program		60,000.00	60,000.00
6-43-01-23-631 Tin Baler		60,000.00	60,000.00
6-43-01-23-632 Trailer (35ft)		40,000.00	40,000.00
Activity Centre			
6-72-06-21-620 Activity Centre - Renovations Design and Eng	2,995.20	99,618.64	96,623.44
6-72-06-22-620 Activity Centre Portion of Renovation	82,004.31	2,847,007.00	2,765,002.69
6-72-06-23-630 Kitchen Equipment Replacement		15,000.00	15,000.00
6-72-06-23-631 Floor Machine		12,000.00	12,000.00
6-72-06-23-632 MPH Sound System		25,000.00	25,000.00
6-72-06-23-640 Tennis Courts		85,000.00	85,000.00

	2023 YTD	2023 Budget	Variance
Arena			
6-76-07-04-620 Design,permits,tender and contingency, ice plant	4,138.00	129,676.52	125,538.52
6-76-07-04-622 Arena - Ice Plant & Condenser Move & Rebuild	12,977.46	2,587,691.29	2,574,713.83
6-76-07-21-620 Arena portion of renovations	2,995.20	290,752.22	287,757.02
6-76-07-22-620 Arena Portion of Renovation (Construction)	82,004.31	2,837,262.00	2,755,257.69
6-76-07-22-630 Sound system components	7,131.00	11,407.13	4,276.13
6-76-07-23-630 Hot Water upgrade/replacement		90,000.00	90,000.00
Fitness and Aquatic Centre			
6-77-08-21-201 F&A- Structure review	500.00	148,561.00	148,061.00
6-77-08-21-620 Aquatic portion of Renovations	1,497.60	129,948.47	128,450.87
6-77-08-22-620 Aquatic Portion of Renovation Construction	41,002.14	1,495,416.00	1,454,413.86
6-77-08-22-631 Valve Exercise program		18,000.00	18,000.00
6-77-08-22-632 Domestic hot water tanks x2		48,000.00	48,000.00
6-77-08-22-633 Sump pump replacement for backwashes		20,000.00	20,000.00
6-77-08-22-634 Washers and Dryers x2 each		10,000.00	10,000.00
6-77-08-23-630 Sand filters (Main and Spa)		250,000.00	250,000.00
6-77-08-23-631 Mechanical room pumps		30,000.00	30,000.00
6-77-08-23-632 Diving Board base		20,000.00	20,000.00
6-77-08-23-640 Volleyball courts and Sundeck		32,000.00	32,000.00
Total Capital Expense	828,684.71	29,382,921.74	28,554,237.03



MUNICIPALITY OF JASPER Capital Reporting

For the Six Months Ending Friday, June 30, 2023

	2023 YTD	2023 Budget	Variance
Administration			
6-12-01-21-203 Housing- Affordable Housing Initiative		151,586.50	151,586.50
6-12-01-23-201 PSAB Study		60,000.00	60,000.00
6-12-01-23-202 Space Analysis		30,000.00	30,000.00
IT			
6-12-01-23-632 Activity Centre Network Upgrades		17,000.00	17,000.00
6-12-03-23-201 IT Master Plan		30,000.00	30,000.00
6-12-03-23-630 Network Infrastructure Upgrade (Annual Program)		20,000.00	20,000.00
6-12-03-23-631 Server (CFS)		32,000.00	32,000.00
Housing			
6-67-01-23-201 CMHC Loan Repayment		49,243.00	49,243.00
6-67-01-23-620 JCHC Community Housing - Parcel GC Site Dev & Cons		5,000,000.00	5,000,000.00
Daycare			
6-53-01-22-620 Daycare interior and exterior windows	21,342.00	20,000.00	-1,342.00
Municipal Buildings			
6-67-01-23-202 Housing Master Plan	28,050.00	30,000.00	1,950.00
6-67-14-22-620 Cabin Creek Housing Repairs	8,381.60	50,000.00	41,618.40
6-67-14-21-620 Cottage Clinic Interior and Exterior Repairs		10,000.00	10,000.00
6-74-01-21-620 Library- Exterior Wood Refinishing		20,000.00	20,000.00
6-74-01-21-621 Library- Basement Window Concrete Lintel Repairs		15,000.00	15,000.00
6-74-01-21-622 Library- Site Drainage and Egress Improvements		20,000.00	20,000.00
Protective Services			
6-23-01-22-650 Command Fleet	90,915.29	89,212.18	-1,703.11
6-23-01-23-611 Stuctural Protection Unit (SPU) Driveway	810.00	80,000.00	79,190.00
6-23-01-23-620 Training Room Kitchen Renovation	2,203.95	50,000.00	47,796.05
6-23-01-23-631 Wildland Interface/SPU Equipment	45,391.29	75,000.00	29,608.71
6-23-01-23-650 Command Fleet	10,557.60	150,000.00	139,442.40
6-23-01-23-651 Engine 2 Replacement	475.98	350,000.00	349,524.02
6-26-01-23-630 E-ticketing	8,700.00	25,000.00	16,300.00
6-23-01-21-632 Fire- Roof access, fall protection, key system		22,500.00	22,500.00
6-23-01-21-636 Fire- ESB Biler and DHW Replacement		8,730.00	8,730.00
6-23-01-22-651 Engine 2 Replacement		271,581.99	271,581.99
6-23-01-23-201 Wildfire Tactical Plan		25,000.00	25,000.00
6-23-01-23-610 Sidewalk and Parking Plugs		80,000.00	80,000.00
6-23-01-23-630 Keyless Entry System		20,000.00	20,000.00
Legislative			
6-11-01-23-630 Records Management Capital		15,000.00	15,000.00
Operations General			
6-31-01-23-650 Service Van	68,945.20	60,000.00	-8,945.20
6-31-01-23-651 Maintenance Van (Replacement)	41,974.20	60,000.00	18,025.80
6-31-31-21-631 Ops- Used Oil and Filter storage	6,962.17	5,965.90	-996.27
6-31-31-23-631 Lock out Tag Panels	531.20	20,000.00	19,468.80
6-31-01-21-631 Maintenance- Lock out tag our panel for buildings		2,071.53	2,071.53
6-31-01-23-630 Boom Lift		150,000.00	150,000.00
6-31-01-23-631 Power Monitoring Test Programmer		30,000.00	30,000.00
6-31-01-23-632 Vibration Monitor		50,000.00	50,000.00
6-31-01-23-633 IR Camera		30,000.00	30,000.00
6-31-31-23-620 Wash bay lighting		25,000.00	25,000.00
6-31-31-23-621 Maintenance Office & Storage Expansion & Redesign		30,000.00	30,000.00
6-31-31-23-622 Roof Access Improvements (Pending Assessment)		50,000.00	50,000.00
6-31-31-23-630 Office HVAC Replacement		100,000.00	100,000.00

	2023 YTD	2023 Budget	Variance
Roads			
6-32-02-23-202 Public Transportation Sys (+operating support 70k)	9,900.00	170,000.00	160,100.00
6-32-02-23-610 Road Repair	300,667.77	300,000.00	-667.77
6-32-02-23-630 Parking Meters	30,037.50	25,000.00	-5,037.50
6-32-02-23-631 Salt Spreader	28,916.00	15,000.00	-13,916.00
6-32-02-23-632 Zero Turn Rubber Track hoe w/Trailer (Replacement)	113,127.66	150,000.00	36,872.34
6-32-02-23-633 Snowcat	92,000.00	120,000.00	28,000.00
6-32-02-23-634 Snowblower	74,995.00	150,000.00	75,005.00
6-32-02-22-611 Sidewalk Replacement/Repair		25,050.00	25,050.00
6-32-02-22-612 Green Alley		1,305.00	1,305.00
6-32-02-23-201 Steetscape Study		80,000.00	80,000.00
6-32-02-23-611 Sidewalk Replacement/Repair		100,000.00	100,000.00
6-32-03-00-201 Wayfinding Signage		30,000.00	30,000.00
Grounds			
6-72-10-21-621 Log Cabin portion of renovations		200,000.00	200,000.00
6-72-10-22-640 Skatepark		927,500.00	927,500.00
6-72-10-23-630 Irrigation upgrade		25,000.00	25,000.00
6-72-10-23-632 Jasper Stage Heaters and Retractable Walls		225,000.00	225,000.00
6-72-10-23-634 Turf Maintenance Equipment		60,000.00	60,000.00
6-72-10-23-640 Columbarium & Cemetery Improvements		180,000.00	180,000.00
6-72-10-23-641 Underpass Beautification/H&S		20,000.00	20,000.00
6-72-10-23-650 4x4 Quad Cab 1 Ton (Replacement)		100,000.00	100,000.00
6-72-10-23-651 4x4 3/4 Ton (Replacement)		70,000.00	70,000.00
Water			
6-41-01-22-630 Annual Valve Replacement Program	14,733.88	187,599.58	172,865.70
6-41-01-23-631 Annual Hydrant rebuilds - 20 units/yr -ongoing BMP	155.00	55,000.00	54,845.00
6-41-01-23-632 Enclosed Trailer	25,954.01	30,000.00	4,045.99
6-41-01-23-633 Chlorine Analyzer Replacement	10,906.05	11,000.00	93.95
6-41-01-21-633 Water- Hydraulic modelling		37,383.08	37,383.08
6-41-01-22-650 Service Van (Replacement)		70,000.00	70,000.00
6-41-01-23-201 Treatment Process review and capital plan		150,000.00	150,000.00
6-41-01-23-202 Interactive Website WT facility tour		5,000.00	5,000.00
6-41-01-23-203 Utility Master and Infrastructure Renewal Plan		100,000.00	100,000.00
6-41-01-23-630 Annual Valve Replacement Program		50,000.00	50,000.00
6-41-01-23-640 Parcel CH Servicing		903,000.00	903,000.00
6-41-01-23-650 4x4 1 Ton (Replacement)		100,000.00	100,000.00
Sewer			
6-42-01-21-611 Sewer- Sanitary RV disposal portin of S Block	71,371.17	91,455.85	20,084.68
6-42-01-22-203 WWTP Annual Capital Requirement	663,136.17	2,538,500.00	1,875,363.83
6-42-01-23-620 Bulk Water Sani Dump Control Building	556.47	525,000.00	524,443.53
6-42-01-23-630 Lateral Downsize Repairs	2,289.00	120,000.00	117,711.00
6-42-01-21-610 Sewer- Abandon Trailer Park Manholes		17,930.00	17,930.00
6-42-01-21-631 Sewer- Main line camera for structural assessment		115,349.18	115,349.18
6-42-01-22-632 Sewer Flow Meter		116,074.70	116,074.70
6-42-01-23-201 WWTP Annual Capital Requirement		1,121,500.00	1,121,500.00
6-42-01-23-202 WWTP Solar Farm Feasibility Study		50,000.00	50,000.00
6-42-01-23-203 Interactive Website WWT facility tour		5,000.00	5,000.00
6-42-01-23-631 Rapid Assessment system		50,000.00	50,000.00
6-42-01-23-640 Parcel CH Servicing		903,000.00	903,000.00
Garbage & Recycling			
6-43-01-23-630 Garbage Bin Replacement Program	27,069.86	60,000.00	32,930.14
6-43-01-23-631 Tin Baler	9,750.00	60,000.00	50,250.00
6-43-01-21-202 Garbage- Operations Service Review		40,000.00	40,000.00
6-43-01-22-630 Garbage Bin Replacement Program		10,881.66	10,881.66
6-43-01-23-632 Trailer (35ft)		40,000.00	40,000.00
Activity Centre			
6-72-06-21-620 Activity Centre - Renovations Design and Eng	2,995.20	99,618.64	96,623.44
6-72-06-22-620 Activity Centre Portion of Renovation	162,991.05	2,847,007.00	2,684,015.95
6-72-06-23-632 MPH Sound System	23,906.81	25,000.00	1,093.19
6-72-10-22-631 Memorial Bench Program	358.04	3,161.32	2,803.28
6-72-10-23-201 Hazardous/fruit trees maintenance	15,907.50	30,000.00	14,092.50
6-72-10-23-631 Memorial Bench Program	312.50	15,000.00	14,687.50
6-72-10-23-633 Trackless utility Tractor	38,200.00	35,000.00	-3,200.00
6-72-10-23-642 Sportfield Upgrade	4,320.00	100,000.00	95,680.00
6-72-06-23-630 Kitchen Equipment Replacement		15,000.00	15,000.00
6-72-06-23-631 Floor Machine		12,000.00	12,000.00
6-72-06-23-640 Tennis Courts		85,000.00	85,000.00

	2023 YTD	2023 Budget	Variance
Arena			
6-76-07-04-620 Design,permits,tender and contingency, ice plant	4,138.00	129,676.52	125,538.52
6-76-07-04-622 Arena - Ice Plant & Condenser Move & Rebuild	1,236,930.64	2,587,691.29	1,350,760.65
6-76-07-21-620 Arena portion of renovations	2,995.20	290,752.22	287,757.02
6-76-07-22-620 Arena Portion of Renovation (Construction)	162,991.05	2,837,262.00	2,674,270.95
6-76-07-22-630 Sound system components	12,461.25	11,407.13	-1,054.12
6-76-07-23-630 Hot Water upgrade/replacement		90,000.00	90,000.00
Fitness and Aquatic Centre			
6-77-08-21-201 F&A- Structure review	500.00	148,561.00	148,061.00
6-77-08-21-620 Aquatic portion of Renovations	1,497.60	129,948.47	128,450.87
6-77-08-22-620 Aquatic Portion of Renovation Construction	81,495.47	1,495,416.00	1,413,920.53
6-77-08-23-640 Volleyball courts and Sundeck	9,450.00	32,000.00	22,550.00
6-77-08-22-631 Valve Exercise program		18,000.00	18,000.00
6-77-08-22-632 Domestic hot water tanks x2		48,000.00	48,000.00
6-77-08-22-633 Sump pump replacement for backwashes		20,000.00	20,000.00
6-77-08-22-634 Washers and Dryers x2 each		10,000.00	10,000.00
6-77-08-23-630 Sand filters (Main and Spa)		250,000.00	250,000.00
6-77-08-23-631 Mechanical room pumps		30,000.00	30,000.00
6-77-08-23-632 Diving Board base		20,000.00	20,000.00
Total Capital Expense	3,572,256.33	29,382,921.74	25,810,665.41