

#### PUBLIC PRESENTATION COMMITTEE MEETING AGENDA

Date: Wednesday, June 29, 2022

Time: 9:00 AM

Location: Council Chambers

262075 Rocky View Point

Rocky View County, AB T4A 0X2

			Pages
A.	CALL MEETING TO ORDER		
В.	UPDATES/APPROVAL OF AGENDA		
C.	APPROVAL OF MINUTES		
	1.	No items	
D.	GENI	GENERAL BUSINESS	
	1.	Election of Vice-Chair	
		File: N/A	
	2.	Division 1 & 2 - Springbank Off-Stream Reservoir Land Use Plan - Alberta Environment and Parks	2
		File: N/A	
	3.	Division 1 - Wildlife Projects and Initiatives - Bragg Creek Wild	27
		File: N/A	
	4.	Division 6 - Green Impact Partners – Future Energy Park	75
		File: N/A	
E.	NEXT MEETING		
	September 14, 2022		
F.	ADJOURN THE MEETING		



#### **PLANNING**

**TO:** Public Presentation Committee

**DATE:** June 29, 2022 **DIVISION:** 1 & 2

TIME: Morning Appointment

FILE: N/A APPLICATION: N/A

**SUBJECT:** Springbank Off-Stream Reservoir Land Use Plan – Alberta Environment and Parks

#### **POLICY DIRECTION:**

The purpose of the Public Presentation Committee (PPC) is to ensure that Rocky View County provides a forum for members of the public and stakeholder groups to present information and updates to the County to ensure the County understands the needs and concerns of its communities. One of the Committee's functions is to to hear presentations from organizations such as Alberta Environment and Parks.

#### **EXECUTIVE SUMMARY:**

Ms. Linda Cerney from Alberta Environment and Parks (AEP) will present to the Public Presentation Committee regarding development of the Springbank Off-Stream Reservoir (SR1) Land Use Plan and associated public engagement. Ms. Cerney will be available for questions and discussion on the Land Use Plan following the presentation. Yvonne Carignan from Alberta Transportation may also be in attendance to provide a short update on the SR1 construction project.

#### **DISCUSSION:**

Alberta Environment and Parks (AEP) is leading the creation of a land use plan for secondary land uses to be located within the SR1 project boundary. A Joint Land Use Advisory Committee is providing input and recommendations into the development of this plan, which involves Indigenous groups, local landowners, community associations, and other stakeholders, including the County. This presentation will provide an overview and update on the land use planning process for general awareness and to help facilitate further discussion.

The County's Planning department has participated in the two Advisory Committee meetings held so far, but following AEP's presentation to PPC, Council may wish to direct Administration to coordinate a County response to the draft Land Use Plan when available, and to base this response on the County's own engagement with the Springbank community. Alternatively, Council may wish to direct that Administration simply promotes Alberta Environment and Park's public engagement process in the fall and that it undertakes a cross department review of the draft Plan. If PPC is minded to provide direction to Administration through Council on forming a position on the Land Use Plan, Motion #2 of Option #1 provides this opportunity.

Administration has included a copy of the request form as Attachment 'A' and the presentation as Attachment 'B'.

#### **BUDGET IMPLICATIONS:**

There are no budget implications at this time.

**Administration Resources** 

Dominic Kazmierczak, Planning



<b>OPT</b>	IONS:
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Option #1: Motion #1 THAT the Springbank Off-Stream Reservoir Land Use Plan presentation

by Alberta Environment and Parks be received as information.

Motion #2 THAT the Public Presentation Committee recommends to Council that

Administration be directed to prepare a report for presentation to

Council on or before July 26 outlining how the County can best establish a position on the SR1 Land Use Plan through Administration review

and/or community consultation.

Option #2: THAT alternative direction be provided.

Respectfully submitted, Concurrence,

"Brock Beach" "Dorian Wandzura"

Acting Executive Director Chief Administrative Officer

Community Development Services

DK/rp

#### **ATTACHMENTS:**

ATTACHMENT 'A' – Request to Present Form

ATTACHMENT 'B' - Presentation from Alberta Environment and Parks

**Date Submitted:** 05/10/2022

### ROCKY VIEW COUNTY PUBLIC PRESENTATION COMMITTEE (PPC) REQUEST TO PRESENT FORM

Name of the group/individual:	Chad Willms		
Representative(s) for the group:	Yvonne Carignan (potential)		
Contact telephone/cell number:	780-499-9220		
E-mail:	chad.willms@gov.ab.ca		
Presentation Topic:	Springbank Off-Stream Reservoir (SR1) Land Use Planning		
Do you have an active planning	application on this matter? Yes V		
Are you planning on submitting	a planning application on this in the next six (6) months? Yes V		
Please check off the appropriate  Information - Public Inte	information about the presentation: rest Community Group Update Development Proposal		
Other, please explain Provincial land use planning initiative that involves RVC and local community  Overview of the topic and purpose of your presentation:			
Committee is providing inp Indigenous groups, local la This presentation will provi	is leading a land use plan for the Springbank SR1 Project. A Joint Land Use Advisory out and recommendations into the development of this plan, which involves indowners, community associations, and other stakeholders including the County. de an overview and update on the land use planning process for general awareness ssions/direction to County staff directly involved in the work.		
If a group, tell us about your gro	oup (mandate/membership, including a statement on why this matter should go before PPC)		

#### **ATTACHMENT 'A': Request to Present Form**Presenting to the Public Presentation Committee

The members of the Public Presentation Committee are County Councillors, but the meetings are not Council meetings, and Council decisions are not made.

Meetings are held to receive information and share your vision with the Committee and not to ask for advice on what should be done on a specific property.

If you would like to bring a matter to the Committee's attention, that does not require a decision of Council, you can apply to make a presentation to the Committee.

Examples of presentations that the Public can present to the Committee include:

- Developers and/or landowners can submit their vision for a future project that will not a require a Council decision;
- not-for-profit organizations about their work in the community, or about recognition for special volunteers;
- post-secondary institutions or research groups about studies or surveys that might interest the County;
- resident or community groups about future plans or current activities that the groups are involved in; or
- businesses or organizations that wish to apprise Committee members of projects or initiatives that will not require a Council decision.

Examples of presentations that Public cannot be accepted by the Committee include:

- the subject matter of the presentation is related to an active application from the presenter or the presenter intends to submit an application within six months of the presentation date;
- the subject matter of the presentation is outside of the authority or jurisdiction of Rocky View County;
- the subject matter of the presentation is more appropriate for a different committee, board, commission, or other body; or
- individuals or groups wishing to provide technical, legal, or similar information when they possess no relevant qualifications or expertise.

Presentations are strictly limited to 20 minutes, but Committee members may ask questions afterwards.

#### **How to Submit a Presentation Request**

Forms can be submitted via email to legislativeservices@rockyview.ca, or print it and send or drop off a paper copy to:

Rocky View County Attention: Legislative and Intergovernmental Services 262075 Rocky View Point Rocky View County, AB T4A 0X2

Please make your requests as early as possible. Requests are to be submitted to four weeks prior to the scheduled PPC meeting order for the presentation to be included on the agenda.

Once you have submitted your request, a member from the Legislative & Intergovernmental Services department will be in contact with you to discuss next steps.

If you are placed on the meeting agenda, you must provide Legislative and Intergovernmental Services with a final copy of any print or visual materials (including PowerPoint or similar slides at least 15 days before the presentation. Once submitted, changes to this material are not permitted. If changes are needed, your presentation will be rescheduled.

#### Questions

If you have questions about presenting to the Public Presentation Committee, contact Rocky View County Legislative and Intergovernmental Services at 403.230.1401 or legislativeservices@rockyview.ca.

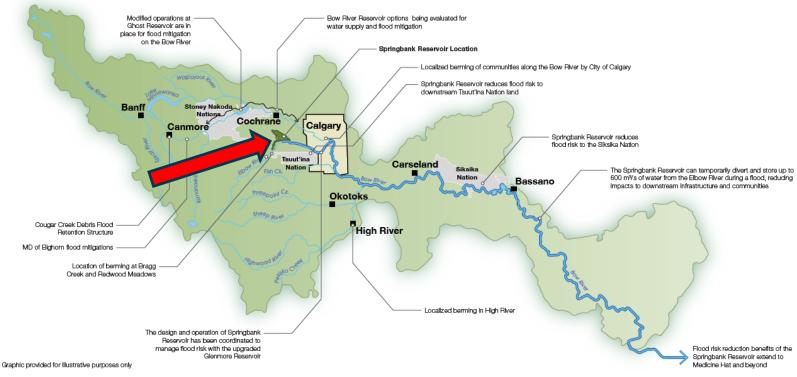
# Springbank Off-Stream Page 5 of 25 Reservoir (SR1) Land Use Planning

**Rocky View County** 

June 29, 2022 Linda Cerney Lands Planning Branch, Alberta Environment and Parks



### Background- Purpose and Function





### Background- Key Components

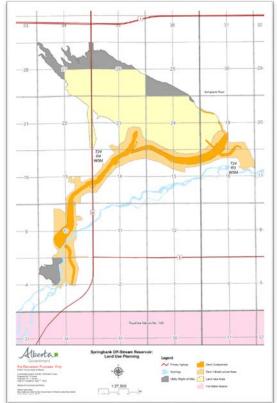
### Footprint consists of:

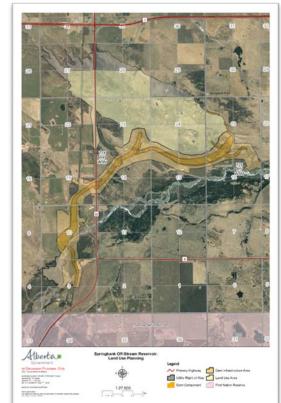
- Floodplain Berm
- Diversion Structure
- Diversion Channel
- Earthen Dam Structure
- Storage- Dry Reservoir
- Low Level Outlet works





### **Location and Context**







### Provincial Government Department Roles





Alberta Transportation (AT)	Alberta Environment and Parks (AEP)
Project proponent	Regulator (Water Act, Public Lands Act)
Regulatory applicant	Future infrastructure owner/operator
Private land acquisition	Future land manager
Infrastructure development	Land use planning



### Land Use Approval Process

- Natural Resources Conservation Board (NRCB)
   June 22, 2021
- Impact Assessment Agency of Canada (IAAC)
   July 8, 2021
- Order in Council (NRCB conditions)
   October 5, 2021





### Additional Regulatory Process

Water Act- (infrastructure- dam design and reservoir operations) Application- Dam Safety

**Public Lands Act-** (project lands) Application- Dept. License of Occupation and Temporary Field Authorization

Federal Regulation Approvals- e.g. Dept. of Fisheries and Ocean



### **NRCB Conditions- AEP**

Condition Number	Condition Details
Condition # 4	<ul> <li>The Operator, in consultation with the Stoney Nakoda Nation (SNN), shall:</li> <li>a) Implement cultural awareness training for employees and contractors that are likely to be in contact with SNN.</li> <li>b) Retain an independent Indigenous monitor to monitor field work as part of the SNN traditional land use assessment. Shall be retained throughout construction to ensure requirements of SNN are met.</li> <li>all to the satisfaction of Alberta Indigenous Relations.</li> </ul>
Condition # 5	<ul> <li>The Operator shall:</li> <li>a) Establish a Joint Land Use Advisory Committee consisting of Indigenous and local community members to provide recommendations for potential land uses. Committee will dissolve when the LUP is finalized.</li> <li>b) Consult on the use of firearms with both the First Nations and Joint Land Use Advisory Committees.</li> </ul>

### IAAC Conditions- AEP Condition 8- Land Use

<b>Condition Number</b>	Condition Details
Condition 8	Current use of lands and resources for traditional purposes- vegetation/weed management, maintenance, land use plan
8.8	Completion of a Land Use Plan- inc. priority to First Nations safe access
8.9 & 8.10	First Nations staging area- location; unimpeded access
8.11	Establishment of a First Nations Land Use Advisory Committee and completion of a Terms of Reference
8.12	Inclusion of Indigenous groups inclusion on the First Nations Land Use Advisory Committee
8.14	Follow-up program on the effectiveness of the Land Use Plan and First Nations Land Use Advisory Committee



### Guiding Principles for Land Use Document

 Drafted during the application process and presented during the hearing review

- Indigenous groups reviewed this draft document as part of the application process
- Conversion from private lands to Crown Lands, will allow for more First Nation and secondary use opportunities
- Provides direction for land use in this project area



### Guiding Principles for Land Use Document

### Primary Use

Flood Mitigation and Safety

### Secondary Use

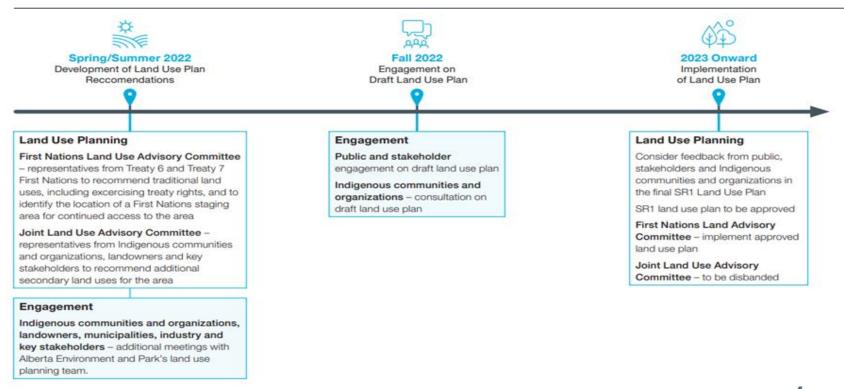
- First Nation Use
  - Exercise Treaty Rights (hunting, traditional activities)
  - Staging area (parking, temporary campsites), ceremonies

### Other Uses (management alignment and compatibility)

- Vegetation and habitat management
- Minimal impact (limited surface dispositions)
- Grazing permits (as required basis)
- Non-motorized recreational access (hiking, biking, cross-country skiing)



### Land Use Planning Process





### First Nation Land Use Advisory Committee

- Treaty 6 and Treaty 7 First Nations
- To provide recommendations on:
  - Exercise of Treaty Rights and traditional uses
  - A staging area to be used by First Nations
  - Environmental management
  - Opportunities for historical and cultural education and interpretation



### Joint Land Use Advisory Committee

- Indigenous groups, local municipalities and the local community
- To provide recommendations, examples include:
  - Provision for recreational use and associated access
  - Accommodations for grazing
  - Hunting / Fire Arms use
  - Other compatible land uses



### Committee: Terms of Reference

#### Terms of Reference

- Provides guidance for the advisory committee
- Defines the purpose and structure of a committee
- Goals, objectives, roles and deliverables
- Timelines (Land Use Plan due Spring 2023)



#### Document

- Communicating with each other (Engagement Head Quarters-EHQ)
- Meetings (~ 5)
- Expectations- Respectful dialogue and collaboration
- Dissolved when the land use plan is completed or at the discretion of the Operator

### Committees: Timeline

#### Committee meetings (March 2022- Winter 2022\*)

- Two Committees:
  - Joint Land Use Advisory
  - First Nations Land Use Advisory
- Meetings: Virtual; in-person; consideration for hybrid



- Both Committees
- Draft plan (Autumn 2022\*)
  - Feedback: contribution from both Committees
- Committee information portal (Ongoing)
  - Engagement-HQ





### Committees- Role and Function

- Awareness and congruency with regulatory conditions and guiding principles
- Compromised of numerous members representing multiple interests and perspectives
- Committee representatives provide:
  - Local, first-hand knowledge
  - Local planning authority- regulation and initiatives
  - Perspective- considering group interests/advocacy
  - Communication- consistent point of contact



### Committees- Role and Function

- Joint Land Use Advisory Committee Representation
- Supporting AEP land use process
  - Continue to participate on the Advisory Committee
  - Directing questions to AEP
    - SR1landuse@gov.ab.ca
  - Communications
    - Rocky View County: Safe & Sound- Notification service
  - Providing notification to the public about engagement on the draft land use plan (Fall 2022)



### Importance of Representation

- Enables structured dialogue
  - Two-way interaction is supported
- Avenue of contact for communication
  - Centralized contact for efficient dissemination of information
- Facilitates future interaction- operation
  - Fire and Emergency Services
  - Agricultural Services
  - Road Operations
  - Bylaw and Enforcement Services



### Next Steps

- Continue with Advisory Committee meetings
  - Input from both committees
  - Facilitation of the development of recommendations
- Review proposed content / land use recommendations
  - Content considered for inclusion in the draft Land Use Plan
  - Land Use Plan (draft) completed by AEP (Summer/Fall 2022)
- Draft Land Use Plan Engagement
  - Provided for public review (Fall 2022)



## Thank you.







#### **PLANNING**

**TO:** Public Presentation Committee

**DATE:** June 29, 2022 **DIVISION:** 1

TIME: Morning Appointment

FILE: N/A APPLICATION: N/A

**SUBJECT:** Wildlife Projects and Initiatives – Bragg Creek Wild

#### POLICY DIRECTION:

The purpose of the Public Presentation Committee (PPC) is to ensure that Rocky View County provides a forum for members of the public and stakeholder groups to present information and updates to the County to ensure the County understands the needs and concerns of its communities. One of the Committee's functions is to to hear presentations from organizations such as Bragg Creek Wild.

#### **EXECUTIVE SUMMARY:**

Representatives from Bragg Creek Wild will present to the Public Presentation Committee regarding wildlife projects and initiatives in Bragg Creek, and will be available for questions and discussion following the presentation.

#### **DISCUSSION:**

The presentation will highlight the organization's work, the key issues affecting wildlife in the Bragg Creek community, and some of the successes of previous initiatives.

The group considers that with careful planning and foresight, Bragg Creek can become an exemplary mountain community where the environment, wildlife and people are integrated in sustainable and healthy ways. The group considers that potential beneficial policy implications for the whole of the County may also arise from this work. Particular areas of concern include road safety (wildlife-vehicle collision), land use planning and community awareness and education.

Administration has included a copy of the request form as Attachment 'A' and the presentation as Attachment 'B'.

#### **BUDGET IMPLICATIONS:**

There are no budget implications at this time.

#### **OPTIONS:**

Option #1: THAT the presentation by Bragg Creek Wild on community wildlife projects and

initiatives be received as information.

Option #2: THAT alternative direction be provided.



Respectfully submitted,	Concurrence,	
"Brock Beach"	"Dorian Wandzura"	
Acting Executive Director Community Development Services	Chief Administrative Officer	
DK/rp		

#### **ATTACHMENTS:**

ATTACHMENT 'A' – Request to Present Form ATTACHMENT 'B' – Presentation from Alberta Environment and Parks

**Date Submitted:** 05/18/2022

#### **ROCKY VIEW COUNTY PUBLIC PRESENTATION COMMITTEE (PPC) REQUEST TO PRESENT FORM**

Name of the group/individual:	Bragg Creek Wild			
Representative(s) for the group:	Presenters: Renée Delorme + one more person TBC. Others in attendance			
Contact telephone/cell number:	403-200-9961			
E-mail:	braggcreekwild@gmail.com			
Presentation Topic:	Creating the conditions for positive wildlife-humans co-existence			
Do you have an active planning application on this matter?  Yes  No				
Are you planning on submitting a planning application on this in the next six (6) months? Yes No				
Please check off the appropriate	information about the presentation:			
Information - Public Inte	rest Community Group Update Development Proposal			
Other, please explain	otential pilot project(s) with policy innovation/implication			
Overview of the topic and purpo	ose of your presentation:			
BCW will introduce itself, key issues affecting wildlife and the community and accomplishment to dates. In particular, we believe that with careful planning and foresight, BC area can become an exemplary mountain community where environment, wildlife and people are integrated in sustainable and healthy ways. Potential beneficial policy implications for the whole of the County may also arise from this work. Areas of concern are: road safety (wildlife-vehicle collision), land use planning and community awareness and education.				
If a group, tell us about your gro	up (mandate/membership, including a statement on why this matter should go before PPC)			
Bragg Creek Wild's vision is for the community to be a safe and sustainable environment where wildlife and humans co-exist. BCW is a grassroots organization advocating for the protection of wildlife by preserving habitat connectivity, promoting safe wildlife routes and providing public education to reduce human-wildlife				

conflict. We are over 1 year old, are growing rapidly with 420 people on Facebook, e-list and dedicated volunteers. We support evidence base approaches to problem solving. Find out what "People and Wildlife

Living in Community" means. Visit www.braggcreekwild.ca,

https://www.facebook.com/groups/braggcreekwild

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#### Questions

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Where People and Wildlife Live in Community

"Nature once determined how we survive. Now we determine how nature survives." For that reason

"We need to learn how to work with nature rather than against it."





David Attenborough

We have an opportunity to work together

To lead by example

To make fundamental positive differences
that benefit the whole community, County and others

In fact, we have already started











# Promote conditions for wildlife and humans to co-exist and thrive.

- Awareness
- Education
- Advocacy

We are an evidence-based organization



350



80



30



1.6 yrs



















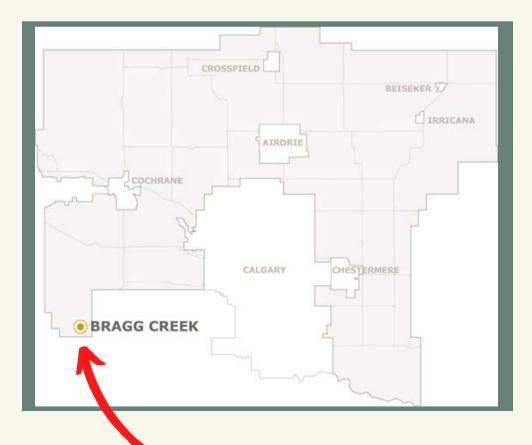


braggcreekwild.ca

# **Bragg Creek**

A high value wildlife habitat

A high value human habitat





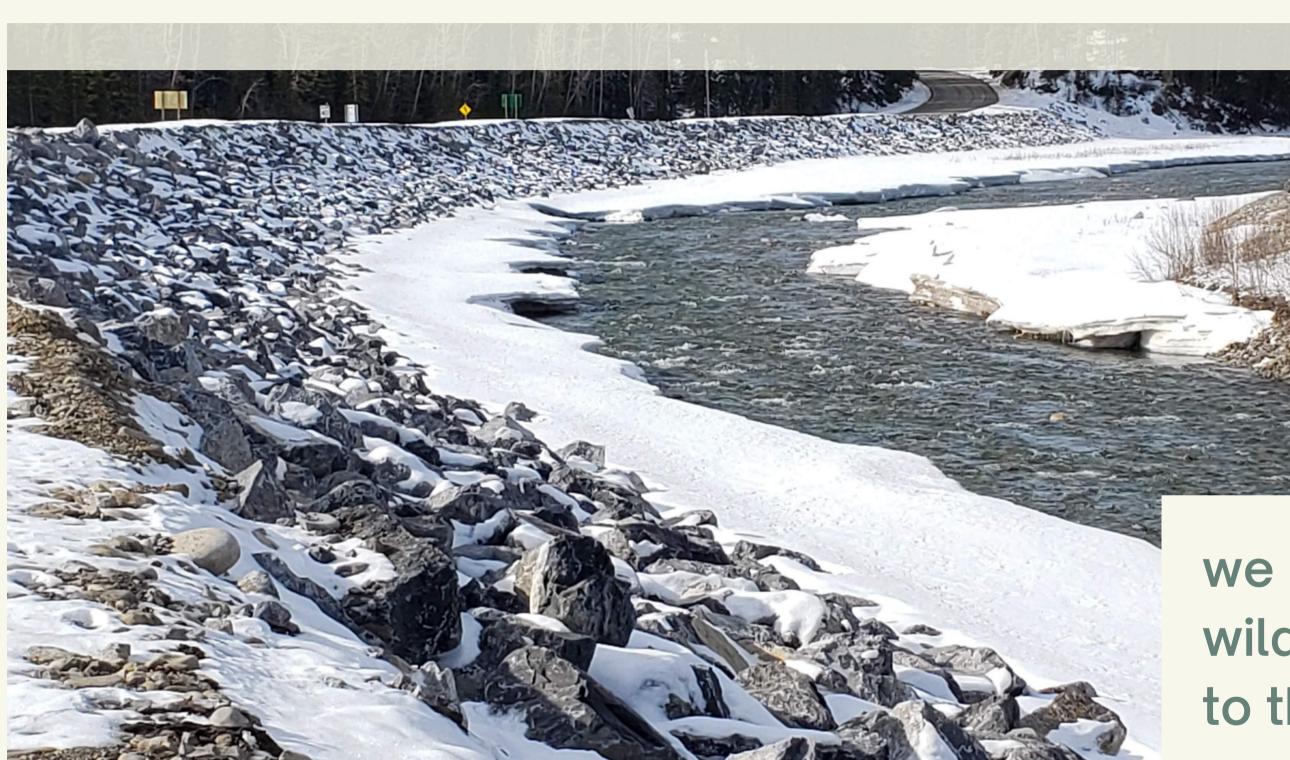


# We can do more Easily At little or no expense

While learning and enriching our County policies and approaches

For example.....

# By building connections between habitats



we give people and wildlife safe access to the river

# By sanctioning the Orchid Reserve

we are preserving a unique riparian ecosystem and connecting a large mammal movement corridor







# By calming traffic with simple design

we increase safety.



By
Working together
with our Province
to mitigate Wildlife
Vehicle Collisions

we save lives and money.



Highway 22 near Redwood Meadows

# By mitigating traffic volume we reduce habitat degradation.





# By aligning the ASP Amendment with the Greater BC Area Structure Plan

we provide a clear course of action for all stakeholders.

"The year is 2030. The Greater Bragg Creek area continues to be a special place within Rocky View County where residents have a strong sense of place that emanates from both the quiet country residences that harmonize with undisturbed landscapes and the small town character of the hamlet. (...) The community has benefited from implementation of policies in the Greater Bragg Creek Area Structure Plan

achieving a balance between the natural environment and the impacts of human settlement."

GBC ASP Vision February 27, 2007

# Summary of proposed mitigation strategies

#### Berm

Build in "ramps" to give people and wildlife access to river

### **Orchid reserve and Wildlife corridor**

Sanction the creation of the reserve

# Wildlife-Vehicle Collision and traffic calming

- Create an intergovernmental, community working group to explore mitigation strategies on provincial and County roads
- Traffic calming through road designs
- Awareness and Education

# Land use planning

- Engage the community in the development of a planning process that consider wildlife habitat first
- Align the ASP Amendment with the Greater Bragg Creek Area Structure Plan (GBCASP)
- Build on the strengths of the GBCASP

# In Summary

# **In Bragg Creek**

- we have a high value wildlife and human habitat
  - that is under tremendous environmental pressures
- Our local economy depends on its wild lands and the images they evoke
- We need adapted responses
  - to preserve / restore wild habitats and
  - bring a balanced co-existence with wildlife

# Preserving our precious assets will benefit

- Wildlife
- People
- Rockyview
- Generations to come

# Call to Action

Rockyview and the community have an opportunity to lead by

- being evidence based
- using approaches that often cost little to nothing
- refining wildlife, environment and public safety policies
- being known for its environmental stewardship

# Resulting in

- improved wildlife habitats
- increased safety for residents and visitors
- savings for County and community
- a highly desirable place to live and work
- preservation of precious wild land for generations to come





# Thank you for including us Let's talk

# Appendix 1 Bragg Creek Wild Acommplishments to date



# PLEASE SLOW DOWN!













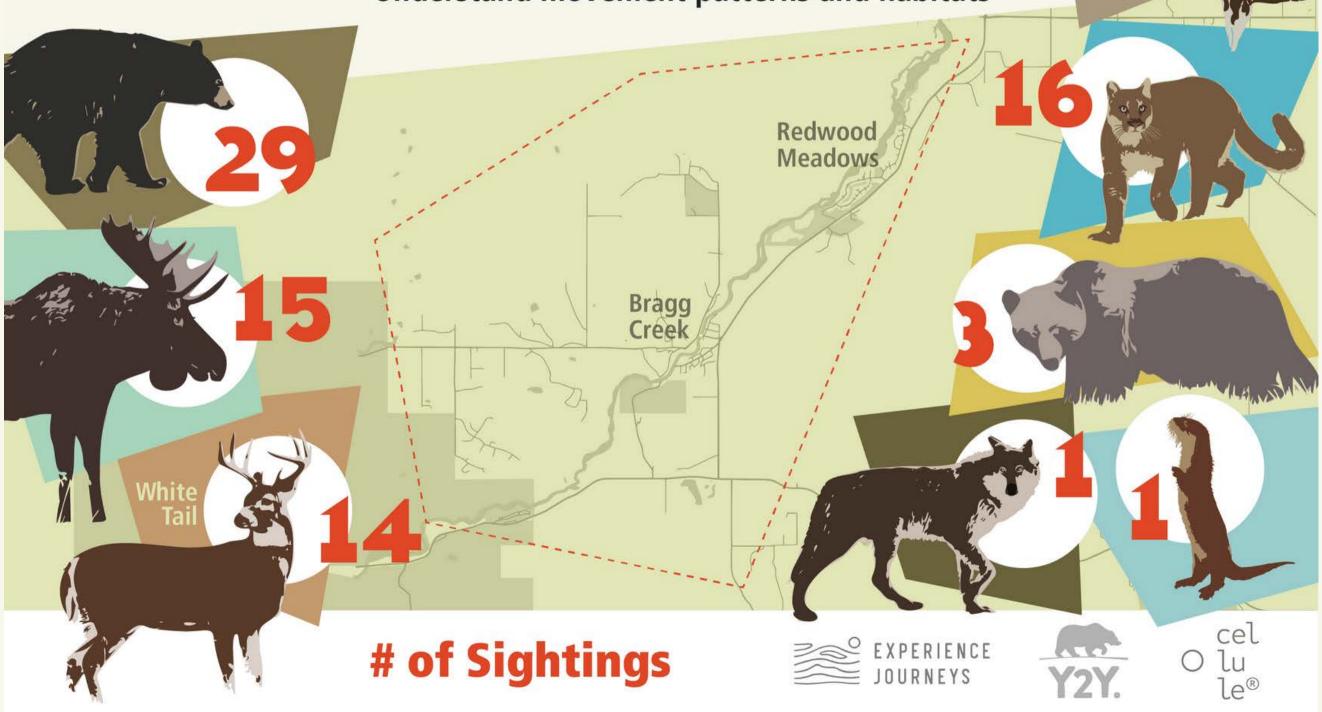


# Wildlife Mapping

# CITIZEN RESEARCH PROJECT

January - September 2021

Objectives: Survey wildlife population in the area Understand movement patterns and habitats





**DISPOSE GARBAGE SAFELY** 







braggcreekwild.ca





9am to pick up maps, bags, etc.

Grab your gloves. bring your travel mug and join your friends and neighbours to help at our community

For more information visit braggcreekca.com or contact braggcreek.ladiesauxiliary@gmail.com

Friends of the 2022 community cleanup







**Bragg Creek** 

**Ladies Auxiliary** 







WILDLIFE · CLIMATE · COMMUNITY





games for kids and adults

isplays of fire suppression equi

#### "Spring Into Wildlife: Staying Safe Across Seasons in Kananaskis"

#### **With Special Guest Patrick Waring**

Park Recreation & Resource Officer Kananaskis Region | Alberta Environment & Parks

Thursday, May 5 at 7pm Zoom Online

how to protect wildlife through best pet practices birthing season in the foothills spring pollinators







### Living Where the Wild Things Are: Be A Beary Good Neighbour

With Special Guest Tangle McClaron

Interpretation and Public Education Coordinator ( Alberta Parks, Kananaskis Region)

Wednesday, Oct. 20 - 7pm Online Zoom

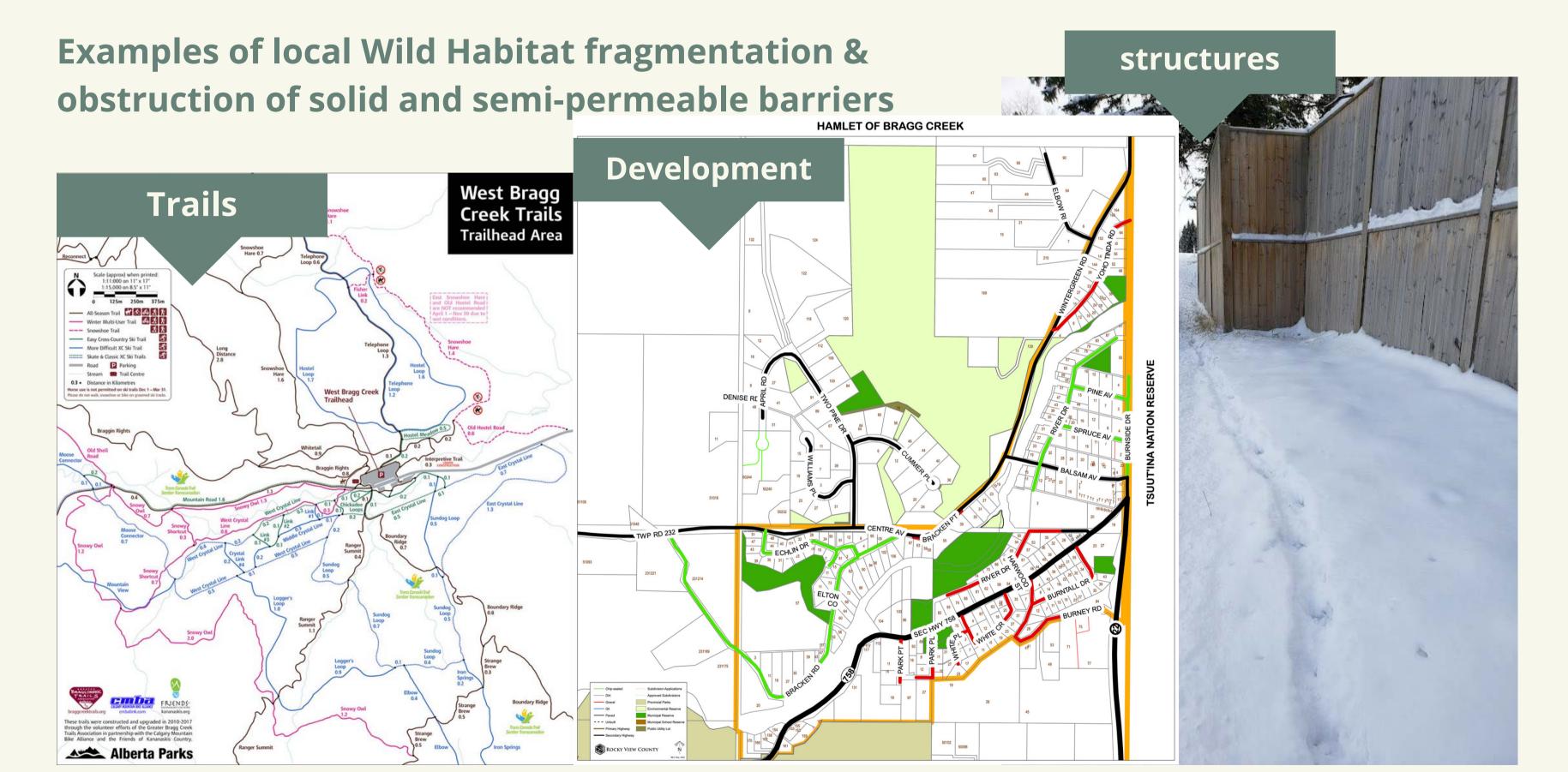


#### **Our partners and collaborators:**

Rockyview County -- Redwood Meadows -- Banded Peak School -- Bragg Creek Ladies' Auxiliary -- High Country News --Alberta Parks and Environment -- Experience Journeys-- Bragg Creek Chamber of Commerce -- Biosphere -- Y2Y -- local media -- private sponsorship

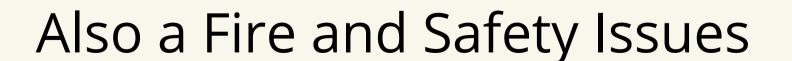


# Appendix 2 Wildlife Habitat Concerns



# Over use leads to habitat degradation

- New 600+ vehicle parking lot in a residential cul de sac
- Recreational visitations
  - 2013 = 42,460 (93,412 users)
  - 2021 = 121,782 (267,920 users)
- 2019 = 2.01 million visitors\*



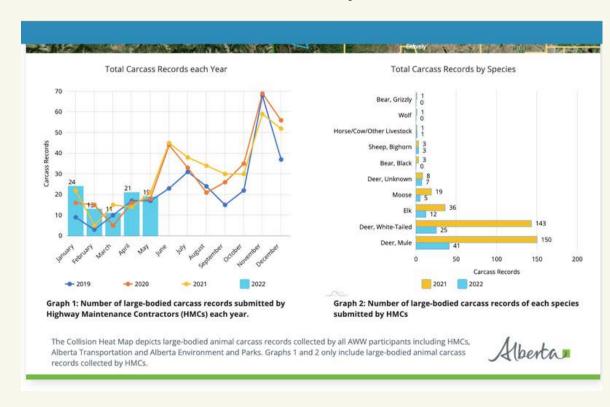


\*AEP counters at 752, Elbow Falls and West Bragg Creek

# Wildlife-vehicle collisions on provincial roads Alberta CMA 520: Wildlife Collision Map Jun. 02, 2022 Legend Collision Heat Map Lowest

## 2021

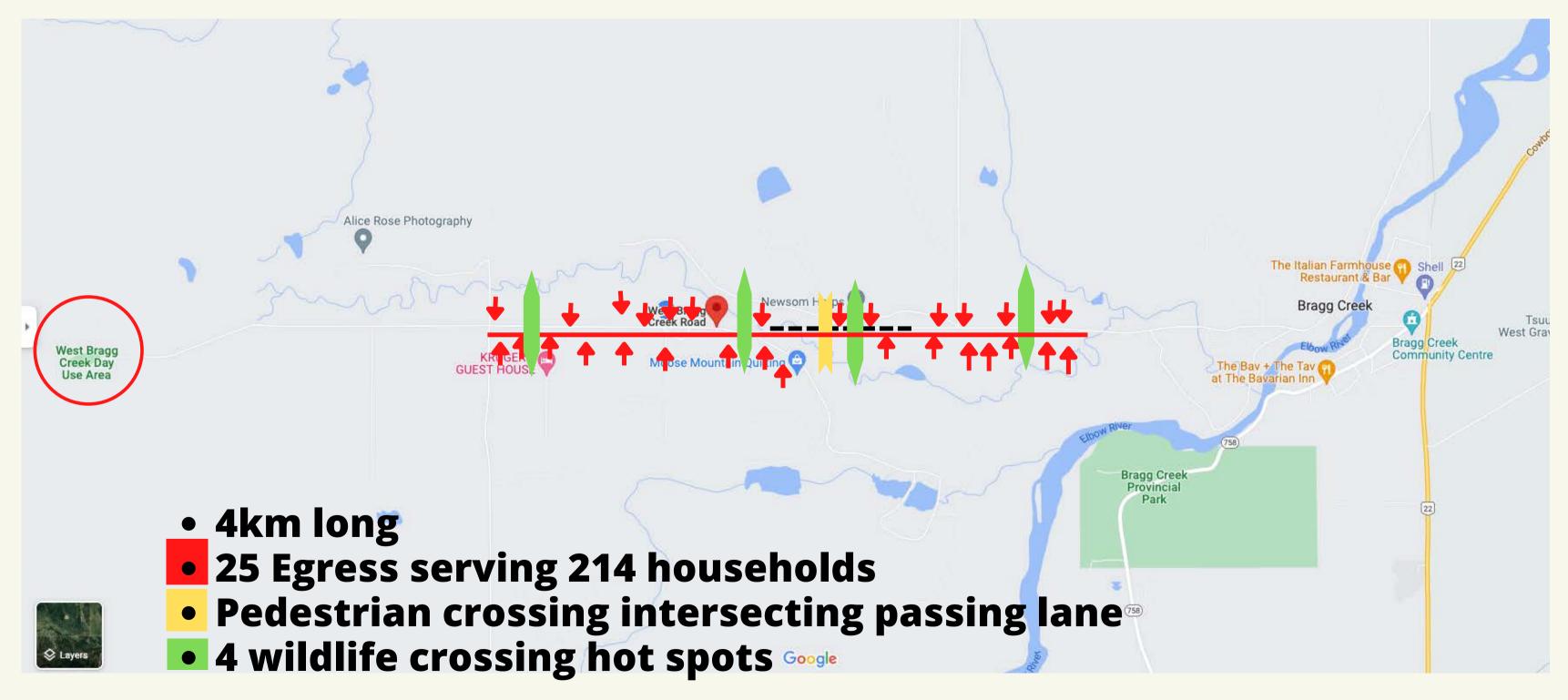
- **362** wildlife-vehicle collisions or
- 1,013 with correction factor of2.8 (Miistakis Institute)
  - Safety issue
  - Highest car insurance cost after hail damages (Avg \$8,000/vehicle)



Traffic safety concerns especially along West Bragg Creek Road

# **Traffic safety concerns**

# West Bragg Creek Road The 70km/hr Zone



# 2021 ASP Amendment -- currently on pause

- Several aspects of the proposed ASP amendment are not aligned with community input and the GBCASP's Vision
- Wildlife and environment are minimally considered
- Community is dissatisfied with the planning process
- Past council's favoured planning option incongruent with the community feedback and vision.

## Request

- Reset the ASP planning process start over
- Create a working group including County and community members to come up with planning process
- Build on the strenghts of the Greater Bragg Creek Area Structure Plan

# Why addressing wildlife matters

# **Bragg Creek**

- located in Y2Y corridor biggest wildlife corridor in the world
- located along one of the two watersheds serving Calgary (Elbow)
- is in early stages of over-tourism, habitat and wildlife degradation
- is ready to explore alternative approach to land use planning
- local economy = highly dependent on its wild lands and the images they evoke.

# **Rocky View County benefits:**

- has the potential to showcase a model that may work for other communities (e.g. Springbank, Bearspaw, Elbow Valley or even Foothills communities)
- will increase diversity of lifestyles in County
- position the County as a leader protecting irreplaceable assets (water, wildlife, natural environment)
- showcase the county as good land steward

# Appendix 3 Mitigation strategies to explore / implement

# We have a choice

# Current trajectory

Without improved community design there is an increased likelihood of:

- Property damage (vehicles)
- Human injury or death (vehicle collisions)
- Animal injury and death / extirpation
- Diminished perception of natural values by non-resident visitors

Proposed trajectory

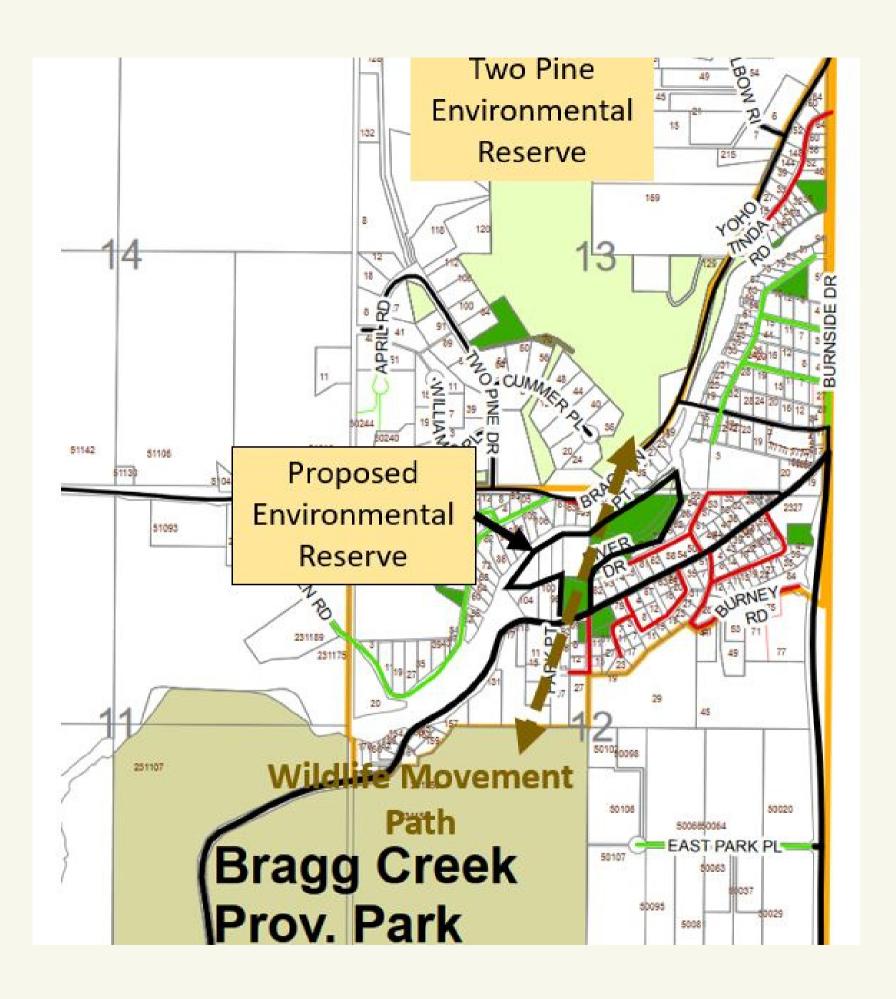
With improved ecosystem-based, updated rural community design we can lead:

- Responsible use
- Decreased injury and mortality
- Maintain Bragg Creek as a desired / preferred community

# Sanctioning the Orchid Reserve will

formalize the preservation of a unique riparian ecosystem

while connecting a large mammal movement corridor.



# Wildlife-vehicle collisions on Provincial Roads

Create an inter-governmental and community working group

CAUTION
WILDLIFE
CORRIDOR

DRIVE
WITH CARE
NEXT XXX KM

Animal crossing hwy 22, 22x and 66: Bears, moose, elk, deer, foxes, coyotes, horses, cows, several small animals

**Composition:** County, Province, BCW and Experts

**Purpose:** Explore mitigation strategies on provincial and County roads and implement best practices including:

- designating Hwy 22/66 as a wildlife corridor
- reviewing roads speed limits
- implementing traffic calming strategies
- building structure to accommodate seasonal signage on hwy 22, 22X, (i.e. Fawning, Rutting season)
- engaging the community in awareness / education

# Potential Mitigation Strategies Infrared crossing





# Traffic calming strategies





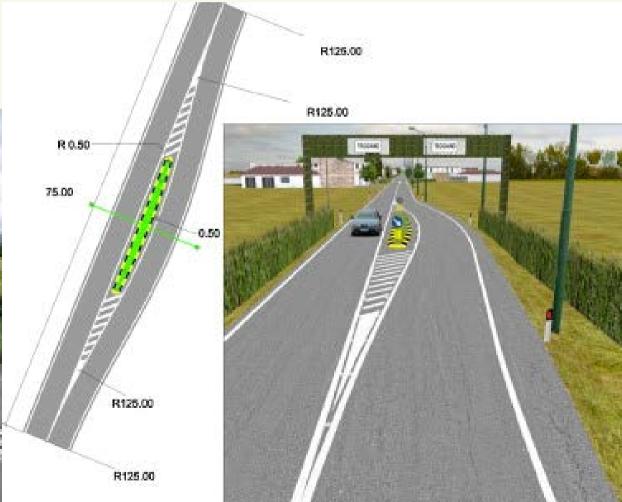




Wide shoulder with







# A New Way to Consider Land Use Planning

# Alberta example

- Humans first Wildlife accommodated
- Focus mostly on animal at risk
- Not sustainable
- e.g. caribou habitat & Canmore



# Vermont example

- Wildlife / habitat first Humans accommodated
- Sustainable

## Recognizes

- Habitat connectivity is key
- Healthy wild land leads to healthy communities and healthy economies.



Using BioFinder 3.0 for Land Use Planning, Vermont Fish & Wildlife Department https://www.youtube.com/watch?v=9cHjG1Dt7PM

# Planning Bragg Creek from the inside out

Towards a healthy mountain community

# **Baseline understanding of**

- local geography
- wildlife and their habitats
- the cumulative impact



### Identify

- stressors,
- knowledge gap

## Develop

- common set of values
- collaborative planning approach
- mitigation strategies

### **Benefits:**

- strengthen GBCASP
- model that may be used by other communities
- County has clear development guidelines

# Summary of proposed mitigation strategies

#### Berm

Build in "ramps" to give people and wildlife access to river

### Orchid reserve and Wildlife corridor

Continue discussion early July 2022

# Wildlife-Vehicle Collision and traffic calming

- Intergovernmental, community working group to explore mitigation strategies on provincial and County roads
- Traffic calming through road designs
- Awareness and education

# Land use planning

- Aligning the ASP Amendment with the Greater BC Area Structure Plan
- Engage the community in the development of a planning process that consider wildlife habitat first.

### Sources and References

- Greater Bragg Creek Area Structure Plan
- Using BioFinder 3.0 for Land Use Planning, Vermont Fish & Wildlife Department https://www.youtube.com/watch?v=9cHjG1Dt7PM
- Alberta Land Use Planning Hub, Government of Alberta
- Alberta Environment and Parks visitation statistics for Hwy 66 and West Bragg Creek Trails
- Alberta Wildlife Watch App https://albertawildlifewatch.ca/
- Alberta wildlife and road safety https://www.alberta.ca/wildlife-and-road-safety.aspx
- Alberta Motorist Association https://ama.ab.ca/articles/wildlife-road-safety-tips
- Bragg Creek Trails
- County of Rockyview
- Corvus Centre for Conservation Policy
- The Miistakis Institute



braggcreekwild.ca



#### **UTILITY SERVICES**

**TO:** Public Presentation Committee

**DATE**: June 29, 2022 **DIVISION**: 6

**TIME:** Morning Appointment

FILE: N/A APPLICATION: N/A

**SUBJECT:** Green Impact Partners – Future Energy Park

#### **POLICY DIRECTION:**

The purpose of the Public Presentation Committee (PPC) ensures that Rocky View County provides a forum for members of the public and stakeholder groups to present information and updates to the County to ensure the County understands the needs and concerns of its communities. One of the Committee's functions is to to hear presentations from organizations such as Green Impact Partners.

#### **EXECUTIVE SUMMARY:**

Julia Ciccaglione from Green Impact Partners will present to the Public Presentation Committee regarding a proposed Future Energy Park and will be available for questions and discussion following the presentation.

#### **DISCUSSION:**

The purpose of this presentation is to provide Rocky View County with an overview of a proposed Future Energy Park located at the junction of 84 Street SE and Frontier Road within the city of Calgary limits. Constituents of the county have been notified as part of the engagement process. The Future Energy Park is a net CO<sub>2</sub> negative renewable biofuels facility that uses low-grade wheat to produce ethanol and renewable natural gas.

Administration has included a copy of the request form as Attachment 'A' and the presentation as Attachment 'B'.

#### **BUDGET IMPLICATIONS:**

There are no budget implications at this time.

#### **OPTIONS:**

Option #1: THAT the Future Energy Park presentation by the Green Impact be

received as information.

Option #2: THAT alternative direction be provided.



Respectfully submitted,	Concurrence,
"Byron Riemann"	"Dorian Wandzura"
Executive Director Operations	Chief Administrative Officer
JK/bg	
ATTACHMENTS:	

Attachment 'A' – Request to Present Form Attachment 'B' – Presentation from Green Impact Partners

**Date Submitted:** 06/01/2022

#### **ROCKY VIEW COUNTY PUBLIC PRESENTATION COMMITTEE (PPC) REQUEST TO PRESENT FORM**

Name of the group/individual:	Green Impact Partners
Representative(s) for the group:	Julia Ciccaglione (submitted by Trevor Joyal - Maskwa Environmental Consulting)
Contact telephone/cell number:	
-mail:	tjoyal@maskwaenv.com
resentation Topic:	Future Energy Park
Do you have an active planning	application on this matter? Yes No
Are you planning on submitting a planning application on this in the next six (6) months? Yes No	
Please check off the appropriate information about the presentation:	
Information - Public Inter	rest Community Group Update Development Proposal
Other, please explain	
Overview of the topic and purpose of your presentation:	
Green Impact Partners would like to provide Rocky View County an overview of the proposed Future Energy Park located at the junction of 84 Street SE and Frontier Road within the City of Calgary limits. The Project is located just west of the boundary of Rocky View County/City of Calgary and constituents within the county have been notified as part of the engagement process. Future Energy Park is a net CO2 negative renewable biofuels facility that uses low-grade wheat to produce ethanol and renewable natural gas. Project newsletter: https://www.greenipi.com/wp-content/uploads/2022/05/FutureEnergyPark_Spring2022_Newsletter-2.pdf	
If a group, tell us about your group (mandate/membership, including a statement on why this matter should go before PPC)	
Following the distribution of public materials to Rocky View County, a request was received to present to this committee. This project, although located on lands within the City of Calgary, are directly adjacent to the municipal boundary of Rocky View County. This project/presentation meets the criteria listed as "Developers and/or landowners can submit their vision for a future project that will not require a council decision."	
A land use application has been submitted to the City of Calgary. Further project information can be found on the project website, https://www.greenipi.com/portfolio/future-energy-park/	

#### ATTACHMENT 'A' - REQUEST TO PRESENT Presenting to the Public Presentation Committee

The members of the Public Presentation Committee are County Councillors, but the meetings are not Council meetings, and Council decisions are not made.

Meetings are held to receive information and share your vision with the Committee and not to ask for advice on what should be done on a specific property.

If you would like to bring a matter to the Committee's attention, that does not require a decision of Council, you can apply to make a presentation to the Committee.

Examples of presentations that the Public can present to the Committee include:

- Developers and/or landowners can submit their vision for a future project that will not a require a Council decision;
- not-for-profit organizations about their work in the community, or about recognition for special volunteers;
- post-secondary institutions or research groups about studies or surveys that might interest the County;
- resident or community groups about future plans or current activities that the groups are involved in; or
- businesses or organizations that wish to apprise Committee members of projects or initiatives that will not require a Council decision.

Examples of presentations that Public cannot be accepted by the Committee include:

- the subject matter of the presentation is related to an active application from the presenter or the presenter intends to submit an application within six months of the presentation date;
- the subject matter of the presentation is outside of the authority or jurisdiction of Rocky View County;
- the subject matter of the presentation is more appropriate for a different committee, board, commission, or other body; or
- individuals or groups wishing to provide technical, legal, or similar information when they possess no relevant qualifications or expertise.

Presentations are strictly limited to 20 minutes, but Committee members may ask questions afterwards.

#### **How to Submit a Presentation Request**

Forms can be submitted via email to legislativeservices@rockyview.ca, or print it and send or drop off a paper copy to:

Rocky View County Attention: Legislative and Intergovernmental Services 262075 Rocky View Point Rocky View County, AB T4A 0X2

Please make your requests as early as possible. Requests are to be submitted to four weeks prior to the scheduled PPC meeting order for the presentation to be included on the agenda.

Once you have submitted your request, a member from the Legislative & Intergovernmental Services department will be in contact with you to discuss next steps.

If you are placed on the meeting agenda, you must provide Legislative and Intergovernmental Services with a final copy of any print or visual materials (including PowerPoint or similar slides at least 15 days before the presentation. Once submitted, changes to this material are not permitted. If changes are needed, your presentation will be rescheduled.

#### Questions

If you have questions about presenting to the Public Presentation Committee, contact Rocky View County Legislative and Intergovernmental Services at 403.230.1401 or legislativeservices@rockyview.ca.



# Future Energy Park

GREEN IMPACT PARTNERS

ROCKY VIEW COUNTY - JUNE 29, 2022

Based in Calgary

Focus on renewable natural gas projects

Zero carbon opportunities

Traded on the TSX Venture Exchange (GIP.V)

\$2 billion in capital expenditures over the next three years

Project partners Carbon Clean Energy and PCL Construction





### Project overview

### Where is it?

Within City of Calgary limits

Lands transferring ownership

To be designated

Industrial Direct Control

District



### Project benefits











Meeting the shortfall of domestic ethanol to meet Alberta Fuels Standard

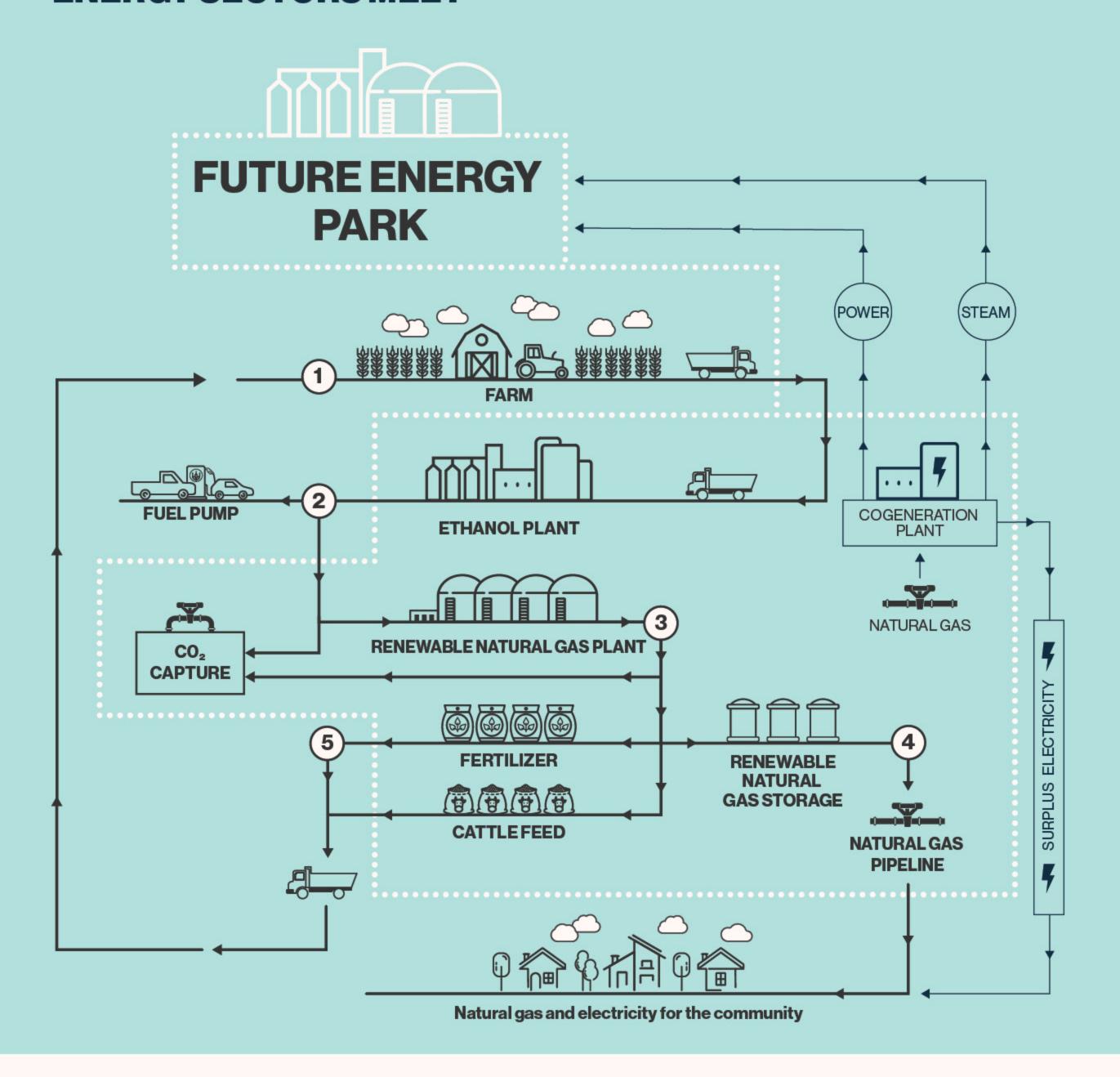
Connects the energy and agriculture sectors

Increase income for agricultural operators (+\$150 million annually)

Employment opportunities (800 construction, ~50 operations)

Tax revenue and capital expenditure in Alberta

# WHERE ALBERTA'S AGRICULTURE & ENERGY SECTORS MEET



1

Wheat producers will be able to sell low-grade wheat to the facility and generate income by converting a low value input to an alternative use.

2

After being weighed and stored, the wheat is processed into ethanol that will be transported to fuel blending facilities in Alberta for distribution across North America.

3

Wheat stillage (byproduct of ethanol production) is further processed to produce renewable natural gas and digestate (another byproduct of the facility). 4

Renewable natural gas is produced in anaerobic digesters (oxygen free environment), stored, and transported for use within the local natural gas distribution network.

5

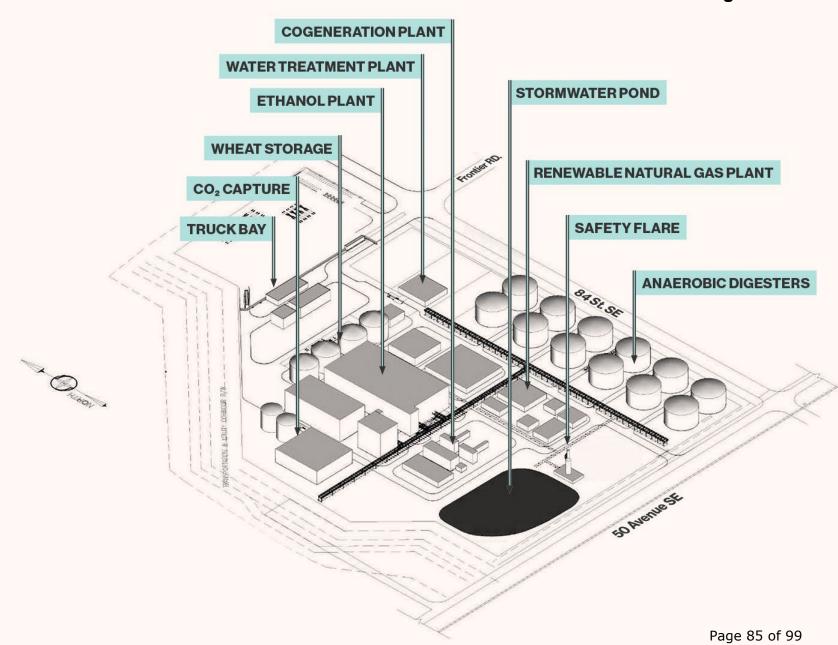
Agricultural fertilizer and cattle feed is produced from the digestate (by-product of renewable natural gas process) and sold to agricultural operators.

# What will it look like?

20ha (52-acre) site

Access from 84 St. SE

Design still underway



# Approval process



City of Calgary



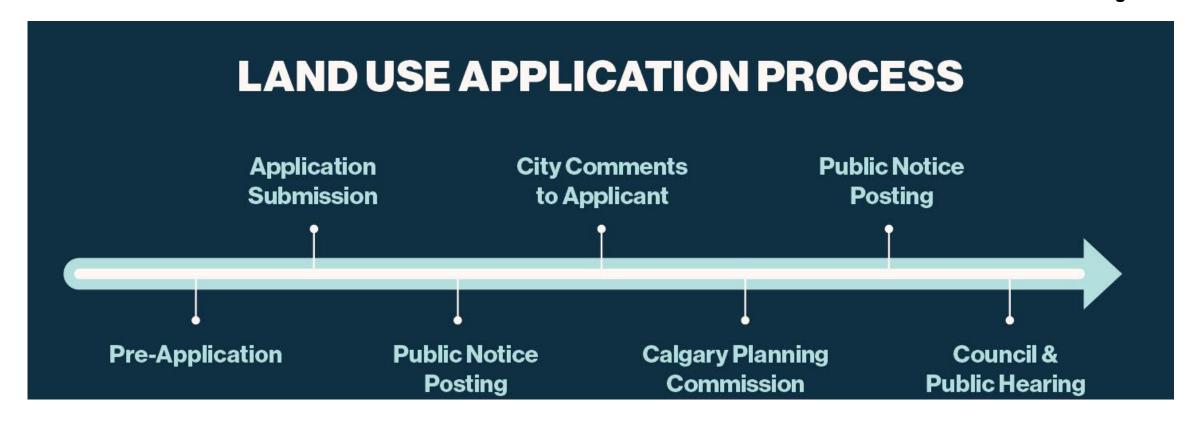
Alberta Environment and Parks



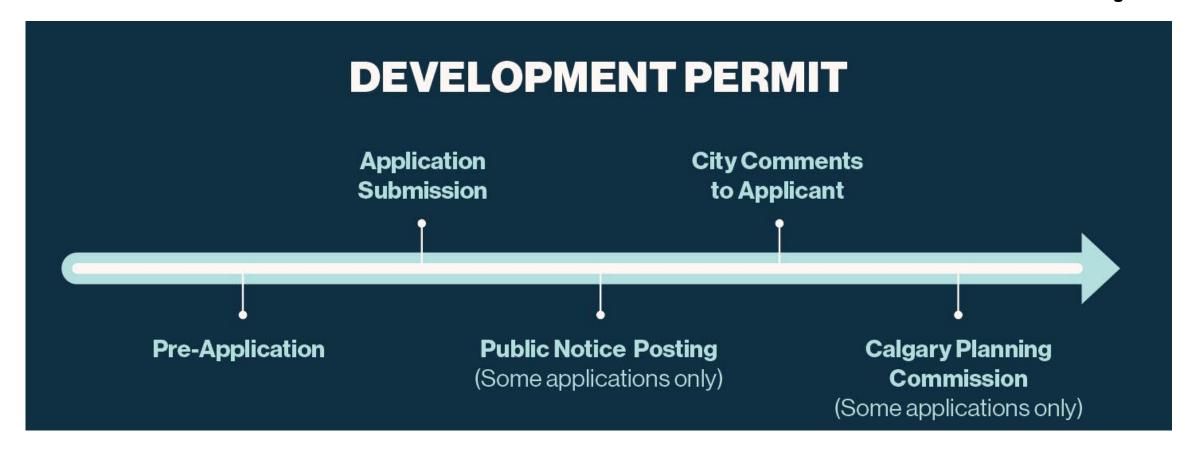
**Alberta Utilities Commission** 



Alberta Energy Regulator (pending design and approval)



## Land use application



## Development permit

### Alberta Environment and Parks

Review potential environmental impacts

Streamlined agriculture project

Under Environment Protection and Enhancement Act

Filing in summer 2022



# Environmental work

Heritage resources

Vegetation

Odour evaluation

Noise modelling

**Emissions** 

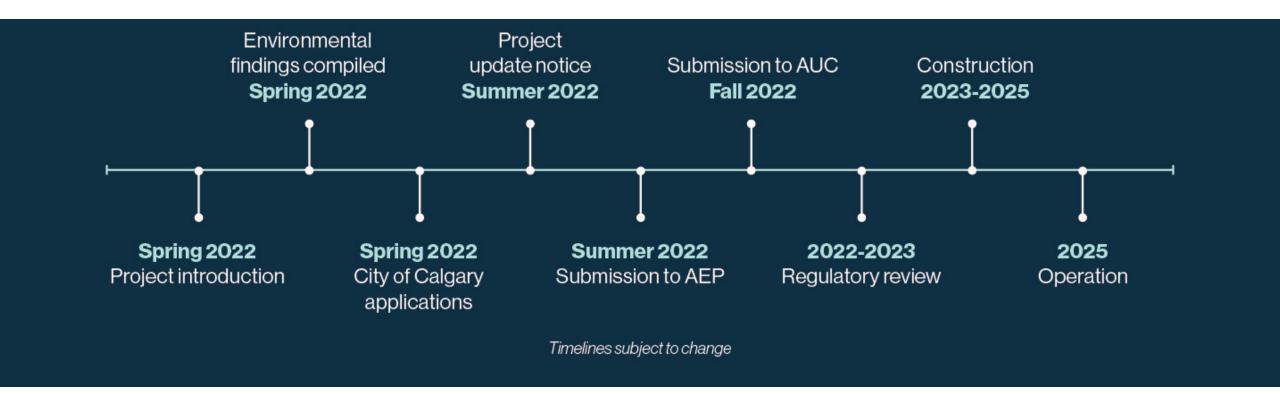
Wildlife

Soils

Wetlands and waterbodies



### **Timelines**



# What have we heard so far?



What is being considered for odour from the facility?



Will traffic counts increase?



Why this location?



How loud is the facility?

### Next steps



Land use application process



Development permit



Secondary notice outlining environmental results



Team remains available to answer questions

### Project contact

1-888-881-7788

FutureEnergyPark@maskwaenv.com

https://www.greenipi.com/portfolio/future-energy-park/

Alberta Utilities Commission: www.auc.ab.ca

City of Calgary Development Map: <a href="https://dmap.calgary.ca/">https://dmap.calgary.ca/</a>



An Innovative Clean Energy Project **Connecting Alberta's Agriculture and Energy Sectors** 

Green Impact Partners

Green Impact Partners, through its subsidiary Future Energy Park Inc., is proposing the construction and operation of the Future Energy Park - a net CO<sub>2</sub> negative renewable biofuels facility that uses low-grade wheat to produce ethanol and renewable natural gas.

Based in Calgary, Alberta, Green Impact Partners is a publicly traded (TSXV: GIP.V) Canadian clean energy company focused on the development of sustainable biofuel resources.

With its growing portfolio of renewable natural gas projects, capital expenditures of approximately \$2 billion are expected over the next three years.

### WHERE IS THE FACILITY LOCATED?

Located within the City of Calgary, Future Energy Park is being sited in an industrial area southeast of the intersection of Peigan and Stoney Trail SE. Access to the site will be from 84 Street SE along the boundary of Rocky View County and the city. The plant will be constructed and operated on a 21 hectare site (52 acre) on lands designated for future industrial use.



### WHAT ARE THE PROJECT BENEFITS?

Future Energy Park is a \$900 million fully integrated biofuels facility that will produce ethanol, renewable natural gas, electricity, and steam. As the first of its kind in North America, the facility will use advanced technology and provide the following direct benefits to the City of Calgary and the Province of Alberta:

- Approximately 800 jobs over 24 months during construction and 50 jobs during operations
- Direct revenue of over \$150 million annually to rural wheat producers
- Provincial and municipal tax revenues
- Repurposed by-products including cattle feed and fertilizer

#### **DEFINITIONS**

#### **Low-grade Wheat:**

Wheat that's not suitable for human consumption but an excellent feedstock for the production of ethanol and renewable natural gas.

#### **Ethanol Plant:**

Portion of the facility that produces ethanol through the fermentation process, involving the breakdown of starch and sugars from low-grade wheat.

#### **Ethanol:**

A renewable biofuel that can be blended with gasoline to produce a lower carbon content fuel.

#### Renewable Natural Gas Plant:

Portion of the facility where wheat stillage (a by-product of ethanol production) is mixed with water in anaerobic digesters (oxygen free environment) to produce renewable natural gas.

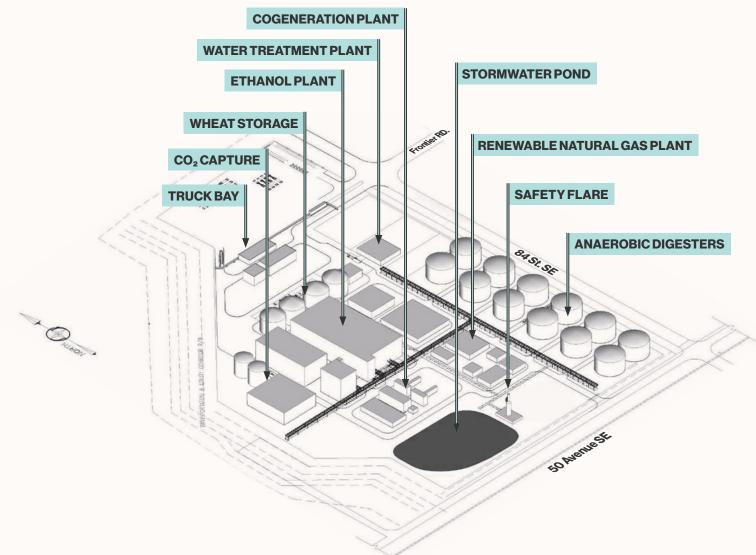
#### Renewable Natural Gas:

Produced methane is captured from the anaerobic digesters and upgraded to pipeline quality natural gas.



**LOOK LIKE?** 

Future Energy Park will consist of many different parts that all work together in creating sustainable biofuels. Working with a team of architects, engineers, planners, environmental specialists, and landscape architects, the plant will be a landmark facility showcasing the technological ingenuity involved in the production of renewable fuels. Our team is developing conceptual architectural plans reflective of a modern energy facility. As our final design moves forward it will be shared with the community.







### CO<sub>2</sub>

Future Energy Park Inc. intends to capture CO<sub>2</sub> from its ethanol and renewable natural gas processes to go beyond the goal of net-zero CO<sub>2</sub> emissions.

Captured  $CO_2$  will be transported and permanently sequestered off-site in an underground  $CO_2$  reservoir.

As both ethanol and renewable natural gas are produced by a renewable resource, any CO<sub>2</sub> emissions from the process are considered carbon neutral.

# FUTURE ENERGY PARK & THE ENVIRONMENT

#### **Air Emissions**

The facility will be designed to meet the Alberta Ambient Air Quality Objectives and provincial and federal standards for nitrogen oxides (NOx).

#### Noise

Preliminary noise studies have been conducted to understand potential sound sources and their contribution to the surrounding area. Based on these studies, the Project will not result in significant changes to ambient noise and the facility will comply with applicable provincial and municipal noise requirements.

#### Lighting

The facility will be illuminated to ensure safety at the site and will abide by the City of Calgary's lighting requirements.

#### Safety

Safety is paramount and considered in every aspect of the facility's design from construction through to operations.

A site-specific emergency response plan will be developed and reviewed by local emergency services to incorporate their knowledge and expertise.

#### **FUTURE ENERGY PARK** (STEAM) POWER COGENERATION **ETHANOL PLANT** PLANT NATURAL GAS RENEWABLE NATURAL GAS PLANT CO<sub>2</sub> **CAPTURE FERTILIZER RENEWABLE** NATURAL **南南南南 GAS STORAGE CATTLE FEED NATURAL GAS** PIPELINE Natural gas and electricity for the community

#### 1

Wheat producers will be able to sell low-grade wheat to the facility and generate income by converting a low value product to an alternative use.

After being weighed and stored, wheat is processed into ethanol and transported to fuel blending facilities in Alberta for distribution across North America.

#### 3

Wheat stillage (by-product of ethanol production) is further processed to produce renewable natural gas and digestate (another byproduct of the facility).

#### 4

Renewable natural gas is produced in anaerobic digesters (oxygen free environment), stored, and transported for use within the local natural gas distribution network.

#### 5

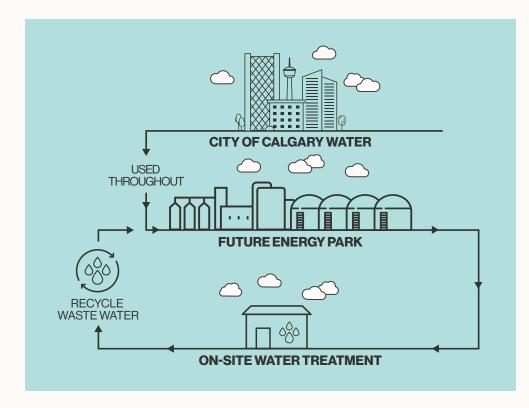
Agricultural fertilizer and cattle feed is produced from the digestate (by-product of renewable natural gas process) and sold to agricultural operators.

#### **ALBERTA'S** RENEWABLE **FUELS STANDARD**

Under existing legislation, Alberta fuel suppliers are required to ensure that gasoline sold in the province contains no less than 5% renewable fuel. Currently, there is a lack of renewable fuel supply to meet the standard. Future Energy Park will play a critical role in addressing this shortfall.

#### WATER **USE**

Water is integral to the operation of the facility and will be predominantly sourced from the City of Calgary. To optimize water use, the plant will have on-site water treatment that will recycle wastewater for reuse where possible.



#### **COGENERATION** STEAM+POWER

Future Energy Park will use ultra high efficiency gas fired cogeneration technology to produce both steam and electricity for use on-site.

The cogeneration plant will be equipped with two (2) 14.4 megawatt (MW) gas turbines, two (2) heat recovery steam generators, and two (2) exhaust stacks. The plant will have a maximum output of 28.8 MW with ~24 MW of power supporting the facility with any surplus being supplied to the local electrical grid.

The cogeneration plant will be enclosed within a building that is connected to a 25 kilovolt (kV) switchyard located within the boundaries of the site. ENMAX will connect the switchyard to the electrical distribution system.

The cogeneration plant will use natural gas supplied by an existing pipeline adjacent to the site.



#### **REGULATORY** AND MUNICIPAL **APPROVALS**

Future Energy Park is subject to various municipal and provincial approvals.

#### City of Calgary -**Land Use Redesignation and Development Permit**

A land use redesignation and a development permit will be required from the City of Calgary. The current land use district, Special Future Urban District, is proposed for redesignation as Industrial Direct Control District.

The City of Calgary has an established process for land use redesignation and development permit applications. This includes public notices, circulation to City of Calgary departments for review and comment, a public hearing, and Council and/or City Planning Commission approval. Once Future Energy Park's application is submitted, it can be viewed at The City of Calgary's Dmap portal (https://dmap.calgary.ca/) with updates to be provided on the Project website.

The land use redesignation and the development permit application are expected to be submitted in the spring of 2022.

#### **Alberta Environment and Parks**

The facility is subject to review and approval by Alberta Environment and Parks (AEP) under the Environmental Protection and Enhancement Act. An application under the Act is anticipated in the summer of 2022. Future Energy Park Inc. will be sharing its environmental findings with the public through our ongoing engagement activities.

#### **Alberta Utilities Commission**

The Alberta Utilities Commission (AUC) is responsible for the review and approval of the proposed cogeneration plant.

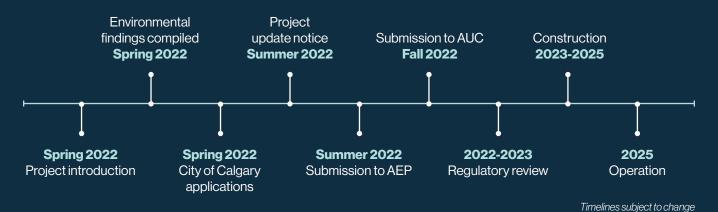
The AUC is an independent, quasi-judicial agency of the province of Alberta. The AUC is responsible to ensure that the delivery of Alberta's utility service takes place in a manner that is fair, responsible, and in the public interest.

Submission of an application to the AUC is anticipated for the fall of 2022. Further information on their regulatory process can be found at www.auc.ab.ca or by contacting our Project team.

#### **Alberta Energy Regulator**

Future Energy Park Inc. is working with the Alberta Energy Regulator (AER) to determine permitting requirements for pipelines that may be needed for the facility.

#### **TIMELINES**



# QUESTIONS OR COMMENTS?

Understanding the communities we work in is integral to our business. Our Project team is available to answer your questions and receive your feedback that will be shared with the various regulators responsible for the review of the Project.

We encourage you to sign up for email notices to receive updated information regarding filing notices, public events, or other milestones. You can sign up by visiting the Project website or by contacting our team.

#### **CONTACT US**



FutureEnergyPark@maskwaenv.com



