

CCS Engagement

A tale of two towns



What is engagement?

Any process that involves the public in problem solving or decision making and uses public input to make decisions.

The Engagement Spectrum



Provide information,
assist with
understanding

Work with public to ensure
needs are understood and
considered

Final decision
making in
hands of public

*Source: International Association for Public Participation (IAP2)
Planning for Effective Public Participation Workbook*

Why engage?

“Energy projects live and die on public perception.”

Dr. Mark Budolfson,
Centre for Ethics in Society
Stanford University



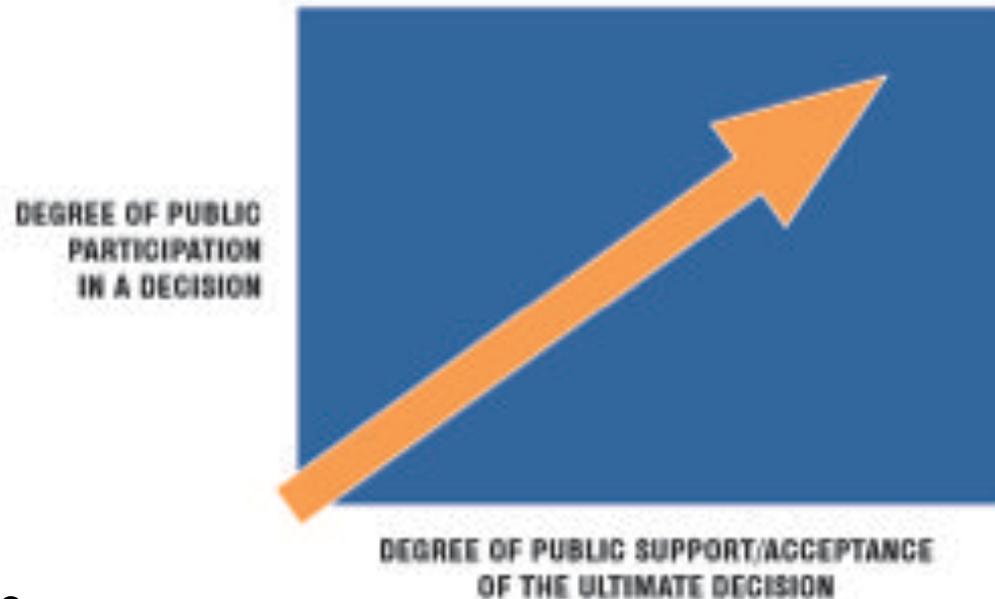
Why engage?

By bringing all perspectives to the table, you can improve decisions



*Source: International Association for Public Participation (IAP2)
Planning for Effective Public Participation Workbook*

Why engage?



1. Avoid costly delays
2. Develop an early warning system
3. Create channel for ongoing communication
4. Increase understanding of CMC's goals

*Source: International Association for Public Participation (IAP2)
Planning for Effective Public Participation Workbook*

Why engage?

Alberta Energy Regulator Directives*

- “Effective, early, ongoing”
- Establishes who to include and how
- Establishes level of engagement
- Applicant must attempt to resolve all questions, concerns, & objections

(*Eg. AER Directive 56: Energy Development Applications)

CCS Engagement

Regulatory Framework Assessment Recommendations

- Extend the notification of sub-surface rights holders
- Use properties of CO₂ (heavier than air, odorless, potential human health risks) to develop new consultation and notification purposes.
- Extend range of notification of landowners
- Include discussion of MMV plans when consulting
- Identify and notify parties that may have activities that require surface access

PRIDDIS – fast facts

	Priddis	Alberta
Population (2006)	964	3.29 M
% 50 yrs or over	49%	28%
University degree	32%	17%
Family income	\$119,328	\$63,988
66.7% residents are at least 3 rd generation in Priddis		



Outreach Efforts

In fall 2010 and early 2011 Don Lawton meets with:

- Rothney Observatory managers
- Councilors from the Priddis area
- MD of Foothills Council in High River (public meeting)
- March meeting at U of C with faculty, administration and community members (including Cross family)



Media Coverage

Carbon storage proposal could pose risk to water table

Okotoks Western Wheel, Jan. 2011
Nicholas Worthington (Letter to Editor)

University plans carbon capture project near Priddis

Okotoks Western Wheel, Jan. 2011
Don Patterson

University of Calgary plans carbon capture research centre near Priddis

National Post, January 17 2011
Kelly Cryderman

Cross family concerned about proposed CO2 storage project

Okotoks Western Wheel, Feb. 16, 2011
By Bruce Campbell (news story)

*My stepfather would be
"rolling in his grave"*
Marshall Abbott



Don Patterson/OWW

Priddis

Reasons for lack of support by Priddis residents:

- Exploration of a natural gas well contaminated a well. Court awarded payment to family in 2009.
- Cross family came out against project.
- Financial benefit of no real value to residents
- Few energy developments in the area
- Residents want to keep the place “natural”
- Residents feared development would harm community cohesiveness and relationships

Source: Amanda Boyd, 2012, Dissertation

Priddis

CCS in the Community N = 34	
Positive	Negative
Increased use of U of C land	Increased traffic
	Increased noise
	Possible earthquakes
	Threat to drinking water
	Threat to nearby conservation area
	Threat to wildlife
	Possible leaks (ground and water)
	Possible industry growth and development

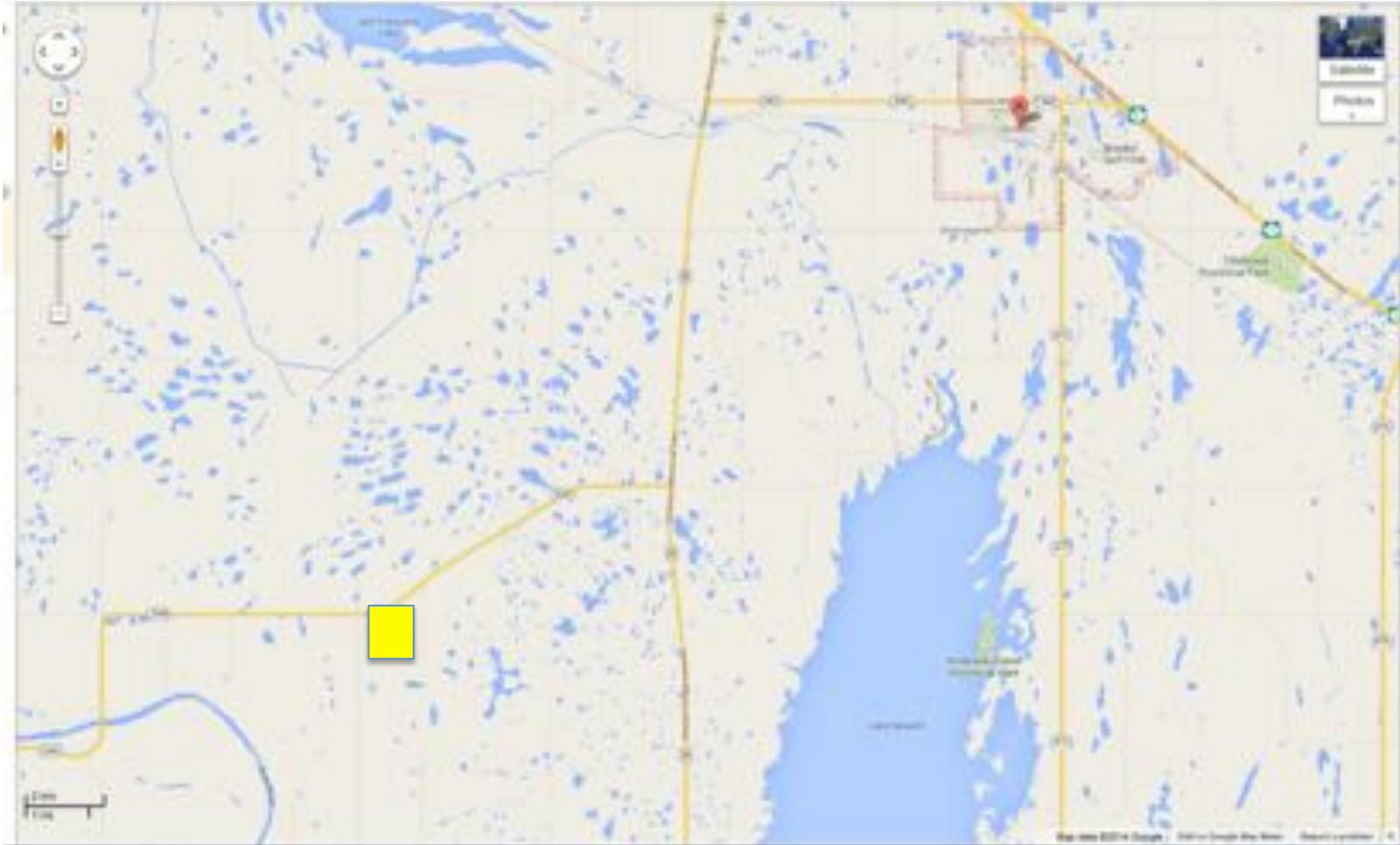
FRS - Brooks

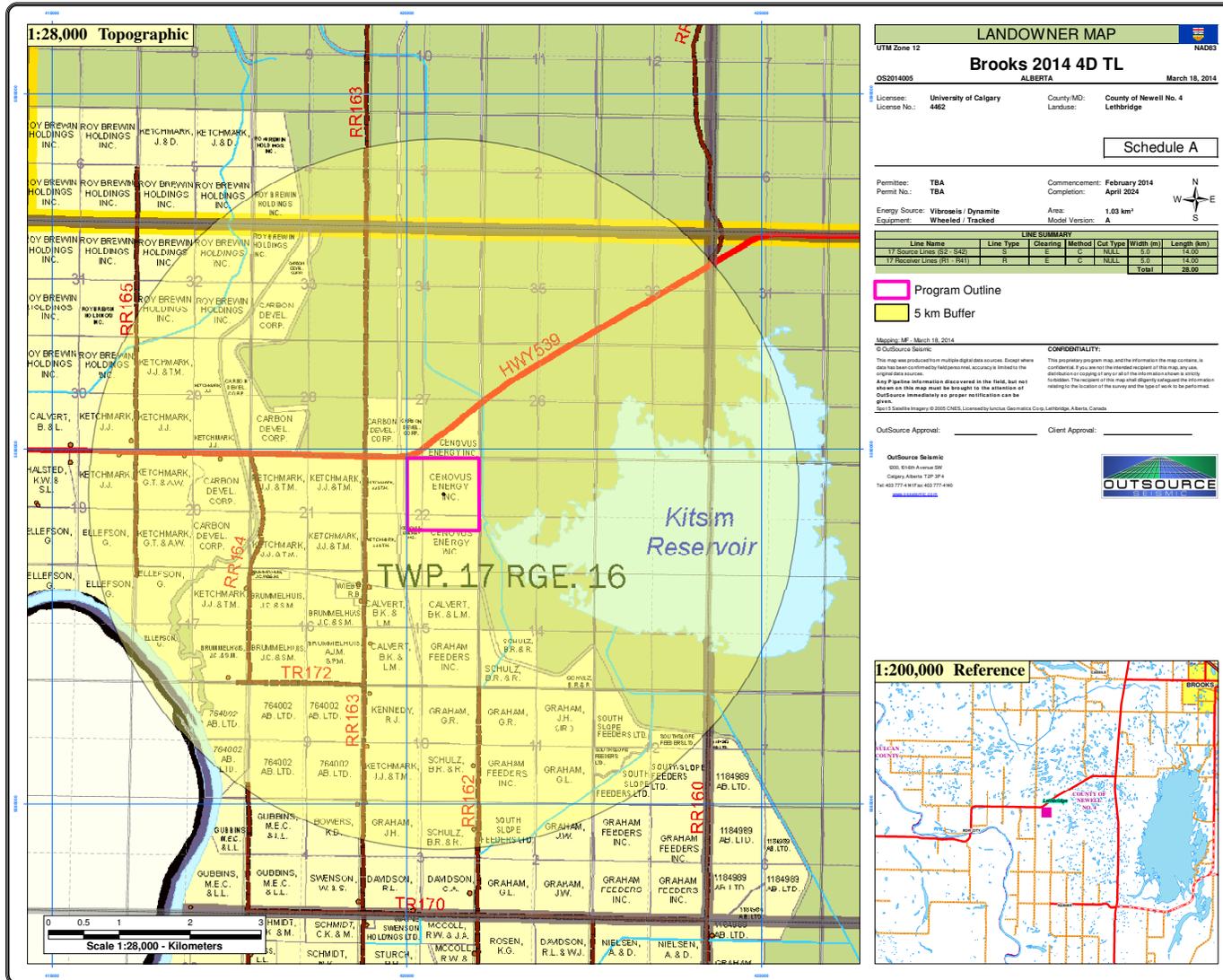


Brooks – fast facts

	Brooks	Priddis	Alberta
Population	13,676 (2011)	964	3.6 M
Oil and Gas	4000-5000 employees	70*	
Wells	48% of all wells in Alberta		
Beef processing XL Foods	2000 employees		
Age	68% between 15 and 64 10% over 65	49% over 50	28%
Income	22% over \$100K	\$119,000K	26% over \$100K
University degree Bachelor's	7.2%	32%	15.27%
* Resource-based industries, including agriculture, oil/gas, mining and forestry			

FRS Location





Participant Involvement Summary Form

Land location	Quarter-Section-Township-Range-Meridian
Land interest	Landowner, occupant, resident, local authority?
Name	
Date of Personal Consultation	
Date of Confirmation of non-objection	Must be obtained in writing
Consultation	Phone or meeting?
Notification	Fax, mail, registered mail
Documents distributed and date	What was in the information package?

Engagement efforts

March 13, 2014: Country of Newell

- Manager – Planning and Development
- Director of Information Technology
- Manager of Fire and Emergency Services
- Chief Administrative Officer
- Director of Corporate Services
- Director of Agricultural Services



Key Questions

Key questions asked by Country of Newell Directors

What will people see when they are out there?

Will they drive by and call us with questions?

Any danger of explosions?

Where are you getting the CO₂ from?

How to you shove the CO₂ into the ground?

Any local employment?

Who is funding the project?

What about access roads?

Engagement efforts

April 9, 2014: Meetings with:

EID Land Administrator; Grazing Lease Manager;
4 residents within 2K radius
Info package left with 1 resident

Folder included:

- Letter from Don Lawton
- Information sheet: About the Field Research Station
- Information sheet: How is a well drilled?
- Information sheet: What is a seismic survey?
- CO₂CONNECTED: CMC brochure
- CMC Achievements 2009-2013 (brochure)



County of Newell Presentation

May 8, 2014 | Questions asked:

- What was reaction of residents?
- Will CO₂ stay underground?
- What are the risks?
- Will coal fire plants disappear?
- Where will you get the CO₂?
- Will carbon management happen?



The latest in greenhouse gas containment technology: Don Lawton, PhD, PGough is proposing a carbon capture containment and monitoring research station near Scandia that will attract international attention when up and running in early 2015. Lawton, centre, made a pitch for County of Newell support last week with part of his team, Roeh Klöckhammer, right, and Kirk Oudets, left. Mickey Demoss / Chronicle photo

Also discussion about Cenovus – they are a good neighbor

Media Coverage

Carbon capture piques interest

Mickey Dumont; The Brooks Chronicle, May 13, 2014

“A model of high-tech wizardry . . .”

Canada’s first monitoring and training facilities for carbon dioxide injected underground to be built in southeast Alberta

Mark Lowey, Enviroline, May 2014

The Containment Frontier

Corinne Lutter, The PEG, Fall 2014

“More and more often, carbon dioxide and other fluids are being injected underground. Now, a new field station will allow researchers to track and monitor them in a controlled situation, with an emphasis on what happens near the surface.”



Questions?