What You Can Do to Stop Fracking in Your Community

Case Studies  pg36
Public Education and Building a Base  pg40
Getting our Governments to Act  pg50
Case Studies

GOVERNMENTS RESPOND: LOCAL AND REGIONAL FRACKING BANS AND MORATORIUMS

The list of towns, cities, regions and states halting fracking continues to grow as the global anti-fracking movement gets stronger. In May 2013, Vermont became the first American state to ban fracking. Hundreds of U.S. cities and towns have responded to the groundswell of well-organized opposition by enacting moratoriums and bans, including in California, New York, Illinois, Colorado and Ohio. Notably, a New Mexico county ban also establishes a “bill of rights” for residents and for nature. This bill of rights prohibits activities – like fracking – that undermine the county’s rights to fresh water, public health, safety and environmental protection. The bill of rights directly challenges corporate rights.

In Canada, Quebec has a moratorium on fracking in the St. Lawrence Valley that was spurred by a massive groundswell of grassroots opposition led by local landowners. Nova Scotia, also home to a strong grassroots movement that includes the NOFRAC coalition, effectively has a moratorium. In August 2013, the Nova Scotia government announced it would scrap its internal review and instead conduct an independent review through 2014, during which time no new approvals would be issued. There are a number of ongoing campaigns targeting fracking locally and provincially – including the Council of Canadians Inverness Chapter’s campaign that resulted in the first Canadian municipal bylaw banning fracking.

QUEBEC’S SUCCESSFUL RESISTANCE TO SHALE GAS DEVELOPMENT

The list of achievements of the Quebec movement against fracking is long and impressive: more than 130,000 people signed an online petition, over 100 citizens groups formed over the span of three years, 50 people walked 700 kilometres along the St. Lawrence River from Rimouski to Montreal, 60 municipalities passed bylaws that protected drinking water from fracking, and more than 300 hundred people have been trained for non-violent direct action.

In a two-part series, “Civil resistance as deterrent to fracking,” Philippe Duhamel, Quebec civil resistance organizer, sheds light on the successes and challenges of Quebec’s anti-fracking movement. Duhamel explains what happened when communities found out that industry was planning to start fracking in the St. Lawrence Valley: “Citizens from rural areas soon found each other and started organizing. Artists and celebrities, some of whom owned properties in targeted areas, got involved. They helped further alert and mobilize public opinion through a viral video. An online petition gathered 130,000 names. Experienced activists informed by civil resistance theory and practice (including this author) felt compelled to join, moved by the outrage they felt, and what they feared might happen.”

Quebec organizations organize a rally in Drummondville for the 2012 Global Frackdown. Photo by Didier PH Martin
La Campagne Moratoire d’une Generation (One-Generation Moratorium Campaign), for which Duhamel is the volunteer coordinator, insisted on going beyond “a generic moratorium” and aimed “to build a capacity for mass civil disobedience.” They gave the Quebec government an ultimatum: a 20-year moratorium on fracking by May 1, 2011 or a mass nonviolent action would take place.

Duhamel explains, “One of the highlights of the One-Generation Moratorium Campaign, and one for which it is most remembered, is the month-long walk it organized in the spring of 2011 along an itinerary closely following the areas claimed for fracking by the industry. The press followed us closely, with national media at the start, middle and end points. The walk was the event of the day in rural towns. It would usually open the news, with the weather forecast sometimes closing with what the day would be like for the walkers. In cities like Trois-Rivières and Quebec City, the march through downtown would bring out hundreds, marching with the fanfare and swaying with the samba band. When we finally reached Montreal, a crowd of some 10,000 to 15,000 people awaited – the largest environmental demonstration in Quebec history at the time – our allies having finally come together to celebrate.”

He adds, “Using traditional community organizing methods, the Regroupement [Interegional Gaz de Schiste Vallee du St-Laurent] canvassed rural communities, asking residents to sign a letter refusing access to the industry, and selling the highly visible red and yellow ‘Non au gas de schiste’ signs that now dot villages and rural roads across Quebec. Over 30,000 property owners have signed the letter. With signature rates sometimes reaching as high as 90%, the organizers brought to city hall maps showing the supportive properties painstakingly coloured one by one. Many municipal governments were swayed. Bylaws specifically designed to protect drinking water sources from the industry drilling were adopted in over 60 towns.”

Groups established an early warning system, which could be reached at SCHISTE911.org or 1-888-SCHISTE to warn communities about further threats of fracking.

Duchamel explained, “Eyes and ears in the community, watching remotes sites, important intersections and back roads, paying attention to rumours and talking with strangers can provide important, timely information. It is the first and vital step in the system. This kind of surveillance network doesn’t always have to be built from scratch. In New Brunswick, Neighbourhood Watch and Block Parent homes were enlisted to signal to protesters the presence of thumper trucks, used for seismic testing.”

He also stresses “the concept of preventative action rests on one paramount priority: to train communities in nonviolent direct action and civil disobedience. To reinforce their intended trainings themselves are publicized.”

While there is a defacto moratorium in the St. Lawrence Valley, shale oil exploration is planned for Anticosti Island and the Gaspé Peninsula for 2014. However, if industry and government learned anything from past their hands.

**LEARN MORE**

Civil resistance as deterrent to fracking: Part One, They shale not pass

Civil resistance as deterrent to fracking: Part Two, Shale 911
FRANCE BANS FRACKING

In 2011, France was the first country to ban fracking for shale gas. French President François Hollande promised in July 2013 to uphold France’s ban during his presidency despite ongoing legal challenges from Schuepbach Energy and Total, a company that previously had exploration permits. The ban came in response to growing public opposition and anti-fracking events including screenings of the documentary Gasland, townhall meetings, massive demonstrations and the posting of anti-fracking billboards across the country.

Behind the French ban – Successes and challenges

An interview with French fractivist Maximes Combes

A strong citizens’ campaign in France helped stop fracking. The French campaign, which resulted in Europe’s first ban, started in late 2010.

In March 2010, residents of France found out that the government had given – without any public consultation – permits for fracking on three sites. When they learned that 64 other licences were pending, local citizens formed groups in affected areas. This quickly led to the organization of town-hall meetings in villages that attracted unprecedented numbers of people. In early 2011, a massive citizens’ movement began to form, with a landmark public demonstration in February that brought together strong local networks that quickly succeeded in compelling local authorities to take an anti-fracking stance. The national government, unprepared for such an uproar, was caught by surprise. France’s government initially issued a moratorium, but after further public pressure, Parliament enacted a law banning fracking in July 2011.

Two factors helped ensure this success. First, politically, the anti-fracking movement effectively combined spontaneous and passionate local protests with challenges at a national level on legal grounds pinpointing irregularities based on French land and water legislation. Second, the movement benefited from a strong sense of community and attachment to the land, which framed the campaign in terms of democracy and sovereignty over land.

Industry has not surrendered. After the ban was enacted fracking companies started to use the law’s loopholes, asking, for example, for permits for “stimulating bedrock,” exploiting the fact that the law does not properly define fracking. Companies have also invested in a far-reaching public relations campaign that promotes fracking and uses the terms “energy independence” and “job opportunities” as selling points.

In this new phase of struggle, facing a long-term information war with the unconventional gas industry, the anti-fracking campaign faces several challenges besides being short of funding, political power and spokespeople. First, the new proposed sites for fracking are in more urban, northern regions of France where people are less locally rooted and attached to their land. There are also divisions emerging as the movement has broadened around issues such as alternative energy models, with differing positions on nuclear power, for example.

ADAPTED FROM: Transnational Institute’s Old Story, New Threat: Fracking and the global land grab
Lessons learned from New York State’s anti-fracking movement

The movement to ban fracking in New York State has been one of the strongest and most vocal across the U.S. In addition to the statewide moratorium, New York municipalities have passed more than 200 local measures against fracking, by far the most passed in any one state in the U.S. The Haudenosaunee Environmental Task Force, which includes the Mohawk, Oneida, Onondaga, Cayuga and Seneca Nations, passed a ban against fracking on, or near, their aboriginal territory. The N.Y. Department of Environmental Conservation received close to 200,000 public comments on its draft regulations for fracking, the bulk of which called for an outright ban on fracking. The movement has gained a near unparalleled momentum with the creation of New Yorkers Against Fracking, a coalition with 230 member organizations, frequent rallies and well attended marches, and celebrity endorsements from musician Sean Lennon and actor Mark Ruffalo.

The success of the anti-fracking movement in New York can be attributed to many factors. However, for Alex Beauchamp, Northeast Regional Organizer for Food and Water Watch, a member organization of New Yorkers Against Fracking, there are key factors that have led to the movement’s success so far. The movement was largely driven by the grassroots – with a local group in almost every town from the get-go. The unwavering political target of New York Governor Andrew Cuomo also contributed to the coalition’s success. Governments will often pass off responsibility to departments or ministers, and the New York Governor is no different. However, the coalition’s persistent and consistent demand of Governor Cuomo to ban fracking has so far succeeded in stopping fracking. What’s often missing in the black-and-white “jobs versus environment” debate is the impact fracking has on human health. Testimonies and health studies resonated with New Yorkers as a central reason to ban fracking.

GRASSROOTS RISING

The global anti-fracking movement is continuing to expand and grow. Screenings of documentaries such as Gasland, rallies, coalitions, and campaigns to ban fracking are all underway. The movement is also engaging in more direct actions – people are literally putting their bodies in the way of fracking projects.

In September 2011, a group of Indigenous women, members of the Blood (or Kainai) Nation in Alberta, blocked a road leading to a Murphy Oil fracking site located on their reserve. Lois Frank, Elle-Maija Apiniskim Tailfeathers and Jill Crop Eared were arrested for their actions to protect their land and water against fracking. More than one year later, charges against the women were stayed in court. Their brave efforts brought international attention and support to their fight.

In the summer of 2013, the Elsipogtog First Nation of New Brunswick and its supporters established a camp and have peacefully stopped and confiscated drilling equipment contracted by Southwestern Energy for seismic testing for fracking. In October 2013, the RCMP – who had been present at the camp throughout the summer – moved in on the protesters with riot gear, snipers and pepper spray. Media accounts focused on the burning RCMP cars and the Molotov cocktails that were thrown, but it is important to focus on why the protesters are there: to protect the water, land and people. There was an outpouring of support with more than 45 solidarity actions organized in the two days following the RCMP actions. Many Global Frackdown events, which were scheduled two days after the RCMP moved in, were focused on expressing solidarity with the Elsipogtog in their fight against fracking.
Public Education and Building a Base

How to build a coalition and encourage community participation

Building a coalition to fight fracking in your community is a great way to bring together like-minded people and organizations interested in or already working on fracking. Check the first section of this toolkit, or do an internet search for organizations in your community, province or territory that are already working on fracking.

Here are some other tips on building a network of people to fight fracking:

Use existing contacts

- The beginning of a community project – which is essentially what your fight is – starts with contacting like-minded individuals, groups and clubs such as naturalists, bird watchers, social justice organizations, landowners’ associations, indigenous groups and well water users.

- Hold a meeting. Pull together a concerned citizens’ committee, which can be a small group to start. Be upfront about the aims and concerns within the group. There might not be full agreement on what approach to take, but find common ground to work from.

- Assign urgent jobs such as finding a place for the first or regular meetings.

- Strategize quickly, and be open to ideas. Discuss what actions you will take, what politicians you will target, what methods you will use to educate the public, and what the group’s goals are.

- Arrange for a first emergency public meeting.

- When you are informing people about the upcoming meeting talk to them briefly about the need to fight the project. Stick to credible facts and keep your arguments simple. Pick a few really strong ones such as fracking’s impacts on drinking water or people’s health.

Make new contacts

- At the meeting outline tasks and assign roles.

- Take advantage of social media: start a Facebook page or open a Twitter account and find a volunteer to take charge of these tools.

- Consider a website – one that is easy for volunteers to update, but with a professional look and feel.

- Set up information booths at events such as fairs, farmers’ markets, public events, festivals, etc.

- Meet people from different backgrounds one-on-one to slowly expand the network. Check out Rabble.ca’s How-To Guide on Coalition-building and the Community Toolkbox’s article on Coalition Building

- Once your coalition is established, hold some fun fundraisers or information events. Have dances, parties, barbecues, runs, tournaments, trivia nights, auctions – whatever works in your community for fundraising and building community opposition. This emphasizes community spirit, provides a pleasant place to discuss issues, and builds solidarity.

27 rabble.ca/toolkit/guide/coalition-building

28 ctb.ku.edu/en/tablecontents/sub_section_main_1057.aspx
Petitions

There are specific ways petitions should be drawn up and signed. Petitions to be introduced in the House of Commons must follow these guidelines: www.parl.gc.ca/about/house/practicalguides/petitionsPG2008__Pg02-e.htm

Visit your province or territory’s website for guidelines on provincial or territorial petitions.

You could take it door-to-door in your neighbourhood, pass it around your workplace, take it to groups involved with the issues or who would agree with your point of view, visit local stores or businesses that might be supportive, and have it to sign at an event you are hosting on the issue. See these tips written for Council chapter activists: www.canadians.org/chapters/documents/petition.pdf

Present the petitions at the municipal, provincial and possibly federal levels, depending on the jurisdiction you are targeting. Get media attention by delivering the petitions in a creative way. For example, in 2012 as part of the first Global Frackdown, Council of Canadians staff members dressed in hazmat suits delivered buckets of “toxic fracking chemicals” (which were actually buckets filled with thousands of petitions addressed to then-federal Environment Minister Peter Kent).

Here are even more creative ideas: beautifultrouble.org/tactic/creative-petition-delivery/

Mock buckets of fracking fluids filled with thousands of petitions calling for a ban on fracking.
Letters to the editor

A letter to the editor is a great way to get a message or information to a broader audience. Letters are read by community members, local politicians, decision makers and others and can be a great way to increase interest and support.

Here are five quick tips you can use to help get your letter published:

1. Have a “hook.” Is there something local happening on fracking that you can mention in your letter, such as a fracking company leasing land or submitting an application, or a recent news article that you can refer to? Newspapers are more likely to print letters that tie in with recent coverage or issues.

2. Keep it short. Keep your writing concise and snappy and get to the point. Good letters always begin with a strong opening (use your hook!), followed by information, facts or arguments to support it, and then a conclusion. Check to see if the newspaper has any word count guidelines – 200 to 300 words is usually what you want to aim for. A letter that is too long will not be used.

3. Be factual. If you are including facts about fracking, try to include where they came from. This will increase the credibility of your letter.

4. Include your contact information. Newspapers will always want to verify the authorship of letters. Be sure to include your phone number and email address when you send it in.

5. Try more than one paper. There is nothing wrong with trying to get published in more than one newspaper. Just be sure to tailor your letter to the publication – change your hook or add some new information – to increase your chances.

Sample letters to the editor

The following letter was published in The Camrose Canadian in May 2013.

Listening to Albertans on fracking

Dear editor,

Energy development in some form is critical in Alberta and there is wide consensus that associated risks must be minimized. We approach development and accept risks as a province and have gone ahead with hydraulic fracturing, but when our decisions impact individuals we often leave them to deal with the consequences on their own. Are we willing to compromise the livelihoods of Albertans?

Countless Albertans have important stories about energy development that have not been heard. The public discourse is controlled by a few entities that often do not leave space for landowners, farmers or other Albertans. Energy discussions in Alberta are incomplete. How can we create effective policy and regulation and make informed decisions without considering the impacts on Albertans?

Envision a province where everyone is heard, a place where city-dwellers and rural farmers alike are connected to their communities and to their land. There are many such stories to be told in Alberta, stories of richness and life. If your story of life in Alberta and energy development has not been heard, we want to help you share.

Visit www.albertavoices.ca to hear your neighbours’ stories and to learn how we can help make your voice part of the discussion on hydraulic fracturing and energy development. As U of A students and organizers of last fall’s conference in Camrose, Responsibility for the Land: Conversations on Fracking in Alberta, we understand that there are sensitive issues, and in working with you, we hope to learn from your experiences and foster a friendly relationship.

Hans Asfeldt
Camrose, AB
The following letter to the editor was published in News North in May 2013.

Fracking research a must to reduce impact

Thank you for your balanced editorial on fracking in the May 6 edition of News North (“Onward and downward”). The issue of horizontal fracking, including the fracking of relatively shallow wells, will become a major issue in the NWT over the next few years, initially in the Sahtu region and then in the Deh Cho.

Water is essential to life. Depending on our age, between 50 to 70 per cent of our own bodies consist of water.

When probing for life on other planets, scientists look solely for any evidence of water. Because it is essential (some would say sacred), water must be considered a human right and a public, not private, resource.

Fracking is an industrial activity that uses large amounts of freshwater, contaminates that water and then allows a significant volume of that toxic water to remain in the ground, where it can interact with groundwater, flow through faults in the ground, and potentially re-enter our surface water system.

That is one reason why many jurisdictions have either banned or placed a moratorium on fracking. Other reasons include increased greenhouse gas emissions, significant disturbances to surface lands, and increased earthquake activity.

Yes, more research and conclusive science is needed to fully assess the risks and long-term environmental impacts and costs of fracking. Simply allowing companies to begin horizontal fracking in the Sahtu or other NWT regions on a trial basis is not adequate or appropriate. Proper assessments need to be done.

The whole point of environmental assessments and regulatory oversight is to ensure that required research is carried out, full disclosure of proposed industrial activities is made (including what chemicals are being used), potential risks are thoroughly assessed and mitigated, and effective monitoring and reporting procedures are put in place for identification and public disclosure of any problems that might arise.

Oil and gas companies operating in the NWT should not be resisting public oversight of their activities, including environmental assessments.

The oil and gas is not going anywhere, so proper research and planning before extracting it through fracking, to reduce negative impacts on our water and our lives, makes sense.

Peter Redvers, Co-chair, Council of Canadians, NWT chapter
The following letter was published in The Guardian in March 2013.

Saying no to fracking

To the Editor,

The latest threat to P.E.I.’s drinking water is fracking. Fracking is short for hydraulic fracturing. It’s a gas drilling technique that’s an extremely water-intensive process where millions of litres of fluid – typically a mix of water, sand, and chemicals, including ones known to cause cancer – are blasted into shale rock beds at high pressure to fracture the rock surrounding a gas well. This fracking releases the gas from the rock so it can flow into the well.

The P.E.I. government is still seriously considering allowing fracking on P.E.I. This, despite the fact that fracking has already occurred at least once on P.E.I. with serious consequences. We know this because on Dec. 10, 2007 there was a fracking spill near Green Gables in Cavendish. The company responsible was Corridor Resources.

Fracking for gas on P.E.I. will put our drinking water in serious jeopardy. Our drinking water is already under huge stress from other contaminants.

Groundwater is our only source of drinking water. It must be protected.

There are hundreds of reports of drinking water contamination associated with fracking in the United States and Canada.

As well, there is documented evidence of fracking’s severe impacts on human and animal health, the environment, and our climate – even small earthquakes.

At the moment, there are no active permits for oil and gas exploration on P.E.I. The leases held by Corridor Resources and other companies for almost 50 per cent of P.E.I. expired this past December. But that is most likely to change. Some experts believe there is a potential of 7.6 trillion feet of coal bed methane in the ground on P.E.I.

The process for issuing exploration rights on P.E.I. begins by an exploration company petitioning the minister of energy to offer for bid a particular area of P.E.I. The minister can give the permit for six years, with up to two years extension. Once the permit is approved, the government has no control over what process of exploration or drilling the company uses. It’s a permit to frack away.

We need to protect our drinking water. We need a permanent legislated moratorium on fracking.

Leo Broderick
The Council of Canadians and Don’t Frack P.E.I.
Social media

Social media, including Facebook and Twitter, are fast and efficient ways to get your message across, raise public awareness, and link people into what you are doing.

Twitter is a platform that allows you to send a short message (140 character limit), share news articles and update your followers. You can also get up-to-the-minute updates from politicians, organizations or companies, sometimes before it even it gets reported on by media. Twitter is a great way to share online petitions about fracking in your community. To learn the basics of Twitter, check out Rabble’s how to guide on Twitter (rabble.ca/toolkit/guide/twitter) and how to live tweet an event (rabble.ca/toolkit/guide/live-tweet-event).

Facebook is a social networking tool that allows you to connect with people already working on fracking and find new supporters to encourage to take action. You can share photos, updates and news articles and spread the word about community events to stop fracking. Here are some tips on how to use Facebook to raise awareness about fracking in your community: www.movements.org/how-to/c/facebook-activism

Check out this guide on how to organize an online campaign by Labour Notes that includes tips on building momentum for campaigns and online petitions by mobile phone, Twitter and Facebook: rabble.ca/toolkit/guide/how-to-organize-online-campaign

For more tips on how to enhance your use of social media, including tips on the perfect tweet, promoting your blog, a cheat sheet on Facebook, and how to use other social media sites such as Pinterest and StumbleUpon, visit: pinterest.com/dylanpenner/social-media/
Here are some sample tweets you can adapt to fit your local campaign on fracking:

Sample tweets to support the Elsipogtog’s protests:

#DavidAlward Don’t #frack with our #water. I want a ban on #shalegas. #NBpoli #Elsipogtog #Elsipogtogsolidarity #oilandgas #swn

#DavidAlward Get #SWN out of #NewBrunswick #NBpoli #Elsipogtog #Elsipogtogsolidarity #shalegas #oilandgas #swn

#SWN Stay out of #NewBrunswick. #banfracking #Elsipogtogsolidarity

#DavidAlward Protecting the human righttowater means banning #shalegas in #NewBrunswick. #banfracking #NBpoli #Elsipogtogsolidarity

#DavidAlward I don’t want #fracking wastewater to leak in #NewBrunswick’s lakes and rivers. #banfracking #Elsipogtogsolidarity #shalegas

#PremierAlward We want sustainable and ethical jobs in #NewBrunswick #NBpoli #Elsipogtog #Elsipogtogsolidarity #shalegas #oilandgas

#PremierAlward I want a future free from #fracking and dirty fossil fuels. #Elsipogtog #Elsipogtogsolidarity #shalegas #oilandgas

#DavidAlward, I want a ban on #fracking and creative solutions to transition off fossil fuels. #NBpoli

.@RCMPNB Your obligation is to protect the people. The world is watching. #Elsipogtogsolidarity #Elsipogtogsolidarity

Talking points

As public concern over fracking grows, so too does industry spin. Here are some talking points to debunk industry myths about fracking.

**X “Fracking has been used for decades.”**

Governments and industry representatives often say that fracking has been used as an extraction method for more than 60 years. However, the “older” type of fracking – known as vertical fracking – is much different than the new form of fracking – multi-stage, high pressure, horizontal fracking which has just developed over the last decade.

Horizontal fracking requires much more fluids, anywhere from 50 to 100 times more, which increases the risk of accidents. It also requires that the toxic mix of chemicals, water and sand be blasted into the ground at higher pressures, which increases the risk for potential well, valve or pipe failures.

Government regulations have not caught up with this newer form of fracking. Cornell University professor and fracking expert Tony Ingraffea says that the impacts of fracking are cumulative and some effects may not be seen until decades later.

---

× “There are no documented cases of water contamination.”

Governments and industry say there are no documented cases of water contamination. But governments do not regularly test water sources before and after fracking has occurred.

Fracking fluids contaminated groundwater in Grande Prairie, Alberta in September 2011. The Energy Resources Conservation Board conducted an investigation and released a report citing that the water table was fracked releasing 42 cubic metres of propane gel into an underground aquifer.\(^3\)

In Dawson’s Creek, B.C. there have been accounts of sand, grayish water and thick sludge coming out of wells and taps.\(^3\)

Jessica Ernst, a landowner in Rosebud, Alberta, filed a lawsuit against EnCana, Alberta Environment, and the Energy Resources Conservation Board for negligence and unlawful activities. Ernst’s well water is so contaminated with methane and other fracking chemicals that it can be lit on fire. (An Alberta court ruled that the Alberta Energy Regulator is immune to private legal claims, but Ernst will appeal this and pursue her case against Encana.)

In 2010, the Pennsylvania Department of Environmental Protection concluded that a fracking well drilled by Cabot Oil and Gas Corporation contaminated a large aquifer with methane resulting in the contamination of the drinking water of 19 families. Environment News Service reported that Dimock resident Ray Kemble said: “EPA officials officially told us that our water was safe to drink but then told us off the record not to drink it. Now the truth is out and we want justice.”

ProPublica found more than 1,000 cases of water contamination documented by the courts and state and local governments in Colorado, New Mexico, Alabama, Ohio and Pennsylvania.

30  www.desmogblog.com/2012/12/22/alberta-finds-mismanagement-errors-causes-fracking-water-contamination-alberta

31  www.dawsoncreekdailynews.ca/article/20130227/DAWSONCREEK0101/310279999/-1/dawsoncreek/hudson-8217-s-hope-and-the-future-of-fracking
“Fracking can be done safely.”

Research by the U.S. Environmental Protection Agency and the Endocrine Disruption Exchange Inc. has demonstrated that fracking fluids contain toxic substances known to cause serious health impacts such as cancer and organ damage, and have negative impacts on neurological, reproductive and endocrine systems.

The National Wildlife Federation’s report “Hydraulic Fracturing in the Great Lakes Basin” notes that there are approximately one dozen chemical additives that are used for fracking including acids, gelling agents and cross-linkers, iron control agents and scale inhibitors, corrosion inhibitors and oxygen scavengers, biocides and friction-reducing agents. A 2011 report by the Democratic members of the U.S. House Committee on Energy and Commerce revealed that the leading 14 oil and gas service companies used 750 chemical components between 2005 and 2009.

The potential for fracking well leaks raises further concerns about water contamination. Andrew Nikiforuk, a Canadian journalist who has researched and written extensively about the oil and gas industries, has pointed out that “industry studies clearly show that five to seven per cent of all new oil and gas wells leak. As wells age, the percentage of leakers can increase to a startling 30 or 50 per cent. But the worst leakers remain ‘deviated’ or horizontal wells commonly used for hydraulic fracturing.”

“Fracking will create jobs.”

Governments and industry representatives promote fracking as a way to boost job creation. However, these are neither ethical nor sustainable jobs.

The Canadian Centre for Policy Alternatives’ (CCPA) report “Enbridge Pipedreams and Nightmares” notes that Enbridge boasts that a fossil fuel project like the $5 billion Northern Gateway Pipeline would create 63,000 person-years of employment during its construction phase, and 1,146 full-time jobs once completed. However, CCPA reveals these estimates are overblown and that it would only create approximately 1,850 construction jobs per year for three years, and a handful of permanent new jobs once completed. The report points out that between 3 and 34 times the number of direct jobs would be created if the $5 billion were invested in green jobs and industries.

U.S. organization Food & Water Watch (FWW) has produced reports showing that the estimate of new jobs is overblown and misleading. In their report, “Exposing the Oil and Gas Industry’s False Jobs Promise for Shale Gas Development: How Methodological Flaws Grossly Exaggerate Jobs Projections,” FWW points out that the Public Policy Institute of New York State (PPINYS) boasted that developing 500 new shale gas wells every year in the five counties of Allegany, Broome, Chemung, Steuben and Tioga would create 62,620 new jobs in New York by 2018. But when FWW analyzed employment data from the Bureau of Labor Statistics in counties with shale gas development in Pennsylvania and compared them to bordering counties in New York without shale gas development, the organization found these claims to be baseless. In fact, FWW found that opening up the five counties in New York to fracking would

32 thetyee.ca/News/2013/01/09/Leaky-Fracked-Wells/
create no more than two jobs per well in the state compared to PPINYS’ claims of 125 jobs per well. Some of the jobs would be in construction, retail or the food industry rather than solely in the drilling industry.³³

Job estimates often do not make clear where the workers will come from and how the local community will actually benefit. Industry fails to consider the negative impacts that fracking would have on existing employment in other industries, such as tourism and agriculture. For example, in Newfoundland the tourism industry raised concerns about the impacts fracking would have on its $1 billion industry. Gros Morne National Park in Newfoundland received international attention when UNESCO raised concerns about how fracking would affect the park, potentially jeopardizing its World Heritage Site status and the local tourism industry.


**Community Tours**

Holding a community tour is a strategy that is being used on the West Coast to raise awareness about fracking and pipeline projects.

In the Yukon, Caleb Behn from the soon-to-be-released documentary *Fractured Land* traveled to Watson Lake, Whitehorse, Mayo, Dawson and Ross River in January 2013 to share his experiences on fracking: [yukon-news.com/news/indigenous-activist-to-speak-on-fracking](yukon-news.com/news/indigenous-activist-to-speak-on-fracking)

The Yukoners Concerned About Oil & Gas Exploration/Development group is travelling to communities to host presentations and facilitate public discussions on fracking: [yukonersconcerned.ca](yukonersconcerned.ca)

Rising Tide B.C. organized the “Building Resistance Tour: Conversations about fracking and Pacific Trails Pipeline.” The purpose of the seven-stop tour of northern B.C. was to expose the true costs of fracking and to support frontline community resistance to pipeline expansion in rural areas: [risingtide604.ca/?p=578](risingtide604.ca/?p=578)
Getting our Governments to Act

How to pass a bylaw or resolution

Help raise awareness locally about the dangers of fracking by visiting your local municipal or town council and asking elected representatives to pass a resolution that places a moratorium, or even a full ban, on fracking operations within city limits.

Start by meeting with local politicians to get them onside. Find out how to get a motion introduced and be prepared to speak at committee and/or council meetings. Use our sample resolution below as a starting point, and be sure to check our website www.canadians.org/fracking for other helpful resources such as factsheets and articles that you can use for research and background information.

Sample municipal resolutions on fracking

WHEREAS hydraulic fracturing (fracking) for natural gas and other fossil fuels often involves the injection of hundreds of toxic chemicals into the ground; and

WHEREAS hydraulic fracturing uses massive amounts of water, as much as 36 million litres per fracking “job”; and

WHEREAS there have been more than 1,000 documented cases of water contamination near fracking sites in the U.S. and some people, such as in Rosebud, Alberta, have well water that now contains so much natural gas they can light their drinking water on fire; and

WHEREAS the pollution of water caused by fracking threatens the long-term economic, social and ecological well being of communities that depend on clean water sources to meet their basic needs; and

WHEREAS the treatment of fracking wastewater strains municipal wastewater systems and puts water sources at risk since wastewater treatment systems are not capable of removing endocrine disruptors and other toxic chemicals from fracking wastewater; and

WHEREAS more study is needed on the impact of hydraulic fracturing on localized air pollution, which can have adverse health effects; and

WHEREAS while the industry claims that natural gas is a cleaner fuel, some independent studies have shown that hydraulic fracturing creates more lifecycle greenhouse gas emissions than mining and burning coal and clearly more scientific study is needed; and

WHEREAS water and air are shared commons and public trusts and as such require genuine public consultation and a process that enables communities to be a part of the decision-making process; and

WHEREAS on September 23, 2011, the UN Human Rights Council passed Resolution A/HRC/18/L.1 affirming the human right to safe and clean drinking water and sanitation and as such contamination of drinking water by fracking fluids is a violation of this and other human rights;
**Option 1:** Moratorium until review/public consultation occurs:

NOW, THEREFORE BE IT RESOLVED that on the _____day of ______, (municipality or town) supports a province-wide and national moratorium on hydraulic fracturing until provincial and federal reviews have been completed that include extensive public consultation and full consideration of the potential human and environmental impacts of hydraulic fracturing.

BE IT FURTHER RESOLVED that (municipality or town) also calls for dialogue between First Nations, federal, provincial and municipal governments on the impacts of hydraulic fracturing.

NOW, THEREFORE BE IT ORDAINED that hydraulic fracturing for natural gas and other fossil fuels within (municipality or town) and (name of local watershed) watershed and the (municipality or town)’s wastewater treatment plant(s) is prohibited until the above-noted public consultations and reviews have been completed.

PASSED, APPROVED, AND EFFECTIVE on this _____ day of ______, 20__.

ATTEST:

______________________________
Mayor

______________________________
Council President

---

**Option 2:** Outright ban:

NOW, THEREFORE BE IT RESOLVED that on the _____day of ______, (municipality or town) supports a provincial and national ban on hydraulic fracturing for natural gas and other fossil fuels.

BE IT FURTHER RESOLVED that (municipality or town) will send a letter to (Member of Provincial Parliament and Member of Parliament) calling for a ban on hydraulic fracturing and for the development of provincial and federal legislation banning hydraulic fracturing.

NOW, THEREFORE BE IT ORDAINED that hydraulic fracturing for natural gas and other fossil fuels within (municipality or town) and (name of local watershed) watershed and the treatment of fracking fluids in (municipality or town)’s wastewater treatment plant(s) is banned.

PASSED, APPROVED, AND EFFECTIVE on this _____ day of ______, 20__.

ATTEST:

______________________________
Mayor

______________________________
Council President

---

** OTHER RESOLUTIONS/BYLAWS PASSED:**

- Assembly of First Nations resolution Moratorium on Hydraulic Fracturing (Resolution 69)

- Vuntut Gwitchin First Nation resolutions

- Quebec resolutions
  [regroupementgazdeschiste.com/?page=resolutions](http://regroupementgazdeschiste.com/?page=resolutions)

- Burnaby, British Columbia resolution

- Inverness, Nova Scotia bylaw

- Niagara-on-the-Lake, Ontario resolution
  [www.canadians.org/sites/default/files/1899_001.pdf](http://www.canadians.org/sites/default/files/1899_001.pdf)
Making a submission to the government

In some cases, governments will hold public consultations and invite public comments on fracking projects. This is an opportunity to pressure the government and raise public awareness about fracking.

Here are some examples of submissions from the Council of Canadians:


What to ask candidates during elections

An election campaign period is a perfect time to raise the issue of fracking with candidates. You can attend all-candidates debates, send emails, write letters to the editor (see page 42) and use social media to get candidates to take a position on fracking. (See sample tweets on page 46.)

Here are some sample questions to ask candidates in the lead-up to an election:

What is your position on fracking? Do you support a ban/moratorium on (future) fracking?

Regulation for fracking falls largely to provinces and territories because of their power to issue drilling and water permits. While it is true that hydraulic fracturing has been used for decades, fracking for unconventional gas – shale gas, coalbed methane and tight gas – is new and provincial regulations have not caught up to this expanding technology. What regulations or legislation will you implement to regulate fracking?

A typical fracked well requires the use of between 55,000 and 220,000 litres of quantities of chemicals used are considered proprietary trade secrets. Will you legally require companies to disclose a full list of the chemicals they use during the fracking process?

A typical fracking project uses anywhere from 10 million to 200 million litres of water. How will you monitor water use for fracking and ensure that water is protected as a human right for current and future generations?

Under Article 32 of the UN Declaration of the Rights of Indigenous Peoples governments are required to obtain free and informed consent prior to the approval of any project affecting Indigenous peoples’ lands or territories and other resources, particularly in connection with
the development, utilization or exploitation of mineral, water or other resources. Will you ensure that free and informed prior consent is obtained for any fracking projects and approvals for water takings?

From the Nova Scotia Fracking Resource and Action Coalition:

Will your government extend the existing moratorium and enact a legislated 10-year moratorium on fracking, and if not, what conditions would have to exist before your party would consider it safe to lift the present moratorium on fracking?

Hydraulic fracturing (fracking) for shale gas generates many millions of litres of contaminated wastewater each time a well is fracked. This wastewater contains a mix of hazardous contaminants, including chemicals from fracking fluids and contaminants released from shale by fracking. Fracking wastewater often contains radioactive elements, many of which have long half-lives, such as radium 226 with a half-life of 1600 years. The release of fracking wastewater into the environment, even after partial treatment, can have long-term impacts on people’s health and the environment. According to studies, there are no safe methods of disposing fracking wastewater. Will your party prohibit fracking wastewater from being imported from other provinces into Nova Scotia?

While candidates may dodge controversial topics during an election campaign, it is a critical time and a good opportunity to raise these issues and press them to go on the record with a position against fracking.