



Sign Up with the Oilfield News Online



www.oilfieldnews.ca

www.wilsonimmigration.com
 What Immigration, Naturalization & Citizenship
 Your gateway to a new life.
 660 Rocky Mountain Plaza, 615 Macleod Trail SE, Calgary AB
 Phone: 403.264.2923 / Fax: 403.268.5182 / 403.268.7143
 Toll Free: 1-888-657-8255
 Ann Wilson, CHRP, ICCRC R421415
 (Formerly Citizenship Judge)
 ann@wilsonimmigration.com

Published By: NEWS COMMUNICATIONS since 1977

Saturday September 10th, 2016

GREENGROVE A DIVISION OF PFG INC.

- * WE SUPPLY AND PLANT TREES
- * Wholesale and retail pricing depending on quantity
- * Tree moving and design
- * Large variety of trees available



Contact:

BUSINESS: 780.795.2362
CELL: 780.723.1678
FAX: 780.795.2523
EMAIL: greengrove@hughes.net

P.F.G Inc. ©2007 ALL RIGHTS RESERVED

ENBRIDGE BUYING SPECTRA ENERGY FOR \$37B IN STOCK TO CREATE PIPELINE GIANT

Shareholders of Enbridge would own about 57% of combined energy transport company Enbridge Inc. of Calgary plans to buy Houston-based Spectra Energy Corp. for stock worth \$37 billion. The combination of the two pipeline

companies would create a North American energy infrastructure giant, to be called Enbridge Inc. and headquartered in Calgary. The combined company's natural gas pipelines business would be based in Houston, and the liquids pipelines business would be based in Edmonton. The companies say they expect to achieve operational savings worth about \$540 million on an annualized basis, most of it achieved in the latter part of 2018.

RENTAL EQUIPMENT DISPERSAL AUCTION ACTION RENTALS (SUNDRE DIVISION)

Online Bidding Powered By

AUCTION

BidSpotter.com

THURSDAY, SEPT. 15, 2016 @ 10 AM Visit Us and Start Bidding Now!

LOCATION: Montgomery Auction Sales Centre

DIRECTIONS: 1 Miles North of Blackfalds on Hwy 2A, 2 Miles East on Lakeside Sargent Road



Selling All Terrain Telescopic Boom Man Lifts & Forklifts, Scissor Aerial Work Platforms, 5-Cat Skid Steers, Komatsu Mini Excavator, Ground Compaction Equipment, Trailer Type Air Compressors, Trailer Type Diesel Generators, Light Towers, Kubota 2350 4x4 Diesel Tractor, Wheat Heart Post Pounder, Equipment Trailers, 40' C-Cans, Scaffolding, Frost Fighter Heaters, Skidded Fuel Vaults, Welders, Gen Sets, Skid Steer attachments, Lawn Equipment, Vehicles, Tools & much more

Also Consigned: 2-Continental Snow King Deluxe V- Nose 24' Cargo Trailers, Hurricane 22' Cargo Trailer w/Fold Down Rear Door, 2006 Harley Davidson Road King Motorcycle - Premium Cond., Yamaha Rhino 4x4 ATV Side by Side, Can-Am 800 Renegade Hi-Output 4x4 ATV, 2006 Argo Big Foot 6x6 ATV, 2012 Dodge Laramie Long Horn 2500 4x4 Quad Cab Truck w/Cummins Eng., AT, Leather 134,207KM



AUCTIONEERS NOTE: This is a complete dispersal of the Sundre Office only. There are also some very good quality consignments. See Pics and more details on website. Viewing: Wed. Sept. 14th 9 am - 4pm. Cash/Credit Card/Cheques w/Bank Letter of Credit 10% Buyers Fee 15% On-Line Buyers Fee

MONTGOMERY AUCTION SERVICES LTD.

1-800-371-6963 BLACKFALDS, ALBERTA 403-885-5149
 www.montgomeryauctions.com

They also expect an additional \$260 million of tax savings beginning in 2019. Under the proposed deal, shareholders of Enbridge would own about 57 per cent of the combined company and the rest would be owned by Spectra shareholders. They expect the combined company will pay higher dividends, including a 15 per cent increase on current levels in 2017 after the deal closes.

Spectra Energy shares were up 5.8 per cent at \$38.25 US in light premarket trading. Based on the Sept. 2 stock price, Enbridge values its offer at \$40.33 US per Spectra share. Enbridge's Canadian shares closed at \$53.25 Cdn Friday, up 2.8 per cent.

Spectra, which operates in both Canada and the United States, has 33,796 kilometers of natural gas and crude oil pipelines and about 300 billion cubic feet of natural gas storage and 4.8 million barrels of crude oil storage. Last month, Enbridge acquired a minority stake in the Bakken Pipeline system through a joint venture. It also won the auction for a stake in EnBW's Hohe See, one of Europe's largest offshore wind power projects, Reuters reported, citing a source familiar with the matter.

U OF A AWARDED \$75M FOR OILSANDS, NEW ENERGY RESEARCH

Work will push Canadian energy and environment research to 'new level,' U of A president says. The University of Alberta will get \$75 million in federal funding to further research into the environmental footprint of unconventional fossil fuels and developing greener energy sources. The university said Tuesday it will use the money to set up the Future Energy Systems Research Institute. The institute will bring together researchers from across several disciplines to deal with issues related to oilsands mining such as tailings ponds, greenhouse emissions, water use, land reclamation and transportation of oil and gas products. The institute will also build on the university's strengths in advanced materials, smart electrical grids and biofuels to help Canada move to a low-carbon energy economy. The work will push Canadian energy and environment research "onto a new level," U of A president David Turpin said. "We will deliver solutions to the world's most urgent energy challenges, reducing the environmental footprint of today's

energy system and making the transition to a cleaner, safer and more abundant low-carbon energy future," he said in a news release. The funding allows the university "to pioneer a made-in-Alberta solution to help solve the world's energy challenges, helping us to transition to a low-carbon economy," said U of A chemistry professor Jillian Buriak.

Buriak, whose research could be eligible for funding from the new institute, is developing low-cost solar cells, including a version that uses a spray-coating technology. The institute will collaborate with the University of Calgary, which also received a \$75-million grant for research aimed at transforming oilsands extraction to improve efficiency and reduce the carbon footprint. The grants are part of a \$900-million Canada First Excellence Research Fund, which will be divided up among 13 Canadian universities.

ENBRIDGE SET TO TAKE OVER MOST OF B.C.'S GAS PIPELINES

Northern Gateway proponent gets 55% of B.C. gas pipelines and LNG stake in merger

Enbridge, the company behind the controversial Northern Gateway oil sands pipeline project, is set to take over 55 per cent of B.C.'s gas pipelines as well as major gas processing plants. As part of a merger with Houston-based Spectra announced Tuesday, Enbridge will also take over Spectra's stake in a major liquefied natural gas export proposal. The Westcoast Connector LNG project proposes piping gas across northern B.C. along a route similar to the one Enbridge Northern Gateway once mapped out to transport crude to oil tankers on B.C.'s North Coast. Alberta business columnist Deborah Yedlin praises Enbridge's expansion as "great news ... for Canada's energy sector." But some who opposed Enbridge's Northern Gateway project are concerned.

"Enbridge doesn't have a social licence to operate in northern B.C.," said Nadia Nowak, a Prince George student who's been vocal in her opposition to Northern Gateway. "I think people will feel quite nervous about them." "Are they hoping ... to convert gas pipelines to oil pipelines?" asked Nowak. "Are they realizing they failed to export oil sands crude and are hoping to have better luck with LNG?" Yedlin, a business columnist with the Calgary Herald, said the merger makes Enbridge the largest energy infrastructure company in North America. "This takes them to being a global player

... from being identified with this one Northern Gateway project," said Yedlin. "I've said all along, Enbridge has been a company that's more than Northern Gateway." Yedlin says it's possible for companies to convert gas pipelines to transport bitumen, but she doesn't think that's Enbridge's plan. "Theoretically you could. Enbridge has done line reversals. Gas pipelines have been repurposed to use oil. [But] I don't think that's why they're buying Spectra." Still, the divisive Northern Gateway debate continues to dog Enbridge in B.C., a province where Spectra is a major, long time player.

Spectra Energy calls its pipeline system "the backbone of B.C.'s natural gas industry."

Once the Spectra merger is complete, Enbridge's B.C. pipelines will stretch from Fort Nelson in northeastern B.C. and Gordondale at the B.C./ Alberta border, south to the Canada/ United States border at Sumas. "It's a branding issue," said Yedlin. "This is a challenge for Enbridge. For certain, they'll have to decide if they keep their Spectra name [in B.C.]."

OILWELL DRILLING RATE AT LOWEST LEVEL SINCE 1977, INDUSTRY GROUP SAYS

'2016 will be the worst year in our recorded drilling activity history'

This year is shaping up to be the worst in almost four decades for the oilwell drilling industry, the national association says. In its revised fourth quarter forecast, the Canadian Association of Oilwell Drilling Contractors (CAODC) is predicting that 2016 will see a total of 3,562 wells drilled — a decrease of 25 per cent from its original forecast.

And the number of oil rigs operating in the country is expected to drop another 31 per cent over earlier projections, CAODC says. "The oil and gas services industry is facing the most difficult economic time in a generation. In fact, 2016 will be the worst year in our recorded drilling activity history (1977)," CAODC president Mark Scholz said in a release. Since 2014, 34,560 jobs have been lost in the oilwell drilling and service industry, CAODC says. "The introduction of new carbon taxes and higher corporate taxes in Alberta, compounded with federal delays on new pipelines and LNG approvals, are creating significant investment uncertainty in Canada," Scholz said. "Although government does not have control over the price of oil, it has influence in ensuring Canada is an investment destination of choice once the industry recovers."

'INNOVATIVE' NEB PIPELINE REVIEW RUNS INTO BIG TROUBLE, BUT GOVERNMENT IS SILENT

Allegations of conflict of interest mean hearings won't resume soon, if ever

When the National Energy Board began its review of the proposed Energy East pipeline, it sent out a news release touting the process as "one of the most innovative" in the NEB's history. There would be opportunities for members of the public to offer their input. Participants could ask questions of TransCanada, the company behind the pipeline.

And the three-member panel conducting the Energy East review would, for the first time, consider the amount of greenhouse gas emissions produced upstream — meaning the pollution generated from extracting, refining and transporting the oil would all be factored into the decision. A month into the public hearings, innovative isn't the word anyone's using to capture what's been going on. Fiasco might be better. Or, to quote Montreal Mayor Denis Coderre, a "circus." The \$15.7-billion Energy East pipeline would carry 1.1 million litres of crude oil daily from Alberta to New Brunswick. Along with the proposed Kinder Morgan's Trans Mountain project through British Columbia, it's the most likely route to get Canadian oil to ports for shipment overseas. By now most Canadians following the issue know that two of the three panel members reviewing the project stand accused of conflict of interest. They will have heard that hearings

in Montreal, set to begin Aug. 29, were suspended before they really started after protesters stormed the room and were removed by police and security staff. It's becoming increasingly clear that those hearings won't resume for some time, if at all. The fate of the two panel members is only the first of a number of challenges the NEB — and by extension the federal government — now faces. "The process has lost all credibility," says Steven Guilbeault of the Quebec-based environmental group Equiterre. He notes farmers, First Nations and more than 80 communities along the Energy East route oppose the project. "The lack of confidence in the NEB is spreading like a disease." And yet the response from Ottawa has been silence. Natural Resources Minister Jim Carr says the NEB, whose nine full-time members are appointed by the federal government, must deal with the crisis itself, even as Carr's own department considers applications to expand the board by as many as four temporary members. At least part of the reason behind that search is the NEB lacks enough French speakers who have expertise in the energy sector and regulatory law. The shortage will be acute if the two panel members under scrutiny, Lyne Mercier and Jacques Gauthier, decide to withdraw because they met privately with former Quebec premier Jean Charest, who was a paid consultant to TransCanada at the time. Critics insist the two are irretrievably tainted by that discussion with Charest. A spokesman for the NEB says the board's request for written submissions on the conflict

CALL BEFORE YOU PIG!

Make sure your pigging is done right.
Call on the specialists at pipe•tech™



There's no simple answer to solving internal corrosion. But the specialists at Pipe•tech will help you find the best pigging solution. Our specialists know pigging and pipelines.

pipe•tech™

1.877.287.3558

Innovation . Integrity . Optimization www.pipetechcorp.com

allegation produced about a dozen. The clear majority of them call for both to be removed. The NEB says the decision is up to the two panellists themselves. To critics, that's a big part of the problem. Allowing those accused of a conflict of interest to decide whether they believe they can hear the evidence impartially is hardly what Prime Minister Justin Trudeau had in mind when he talked about restoring credibility to the process. On Thursday, more than 50 groups opposed to Energy East released an open letter to Carr and the prime minister urging them to show leadership by stopping all pipeline reviews and dismantling the NEB. "Firing a couple of conflict-of-interest-tainted appointees and rescheduling a hearing is not going to fix the broken and discredited NEB," Patrick DeRochie of Environmental Defence is quoted in the accompanying news release. If critics of the NEB get their way, the hearings won't resume at all, putting the matter firmly in the hands of the government — which is promising a complete overhaul of the NEB, but only after the Energy East review is done. Trudeau sidestepped questions about Energy East during his just-completed trip to China and the G20 summit, but he has argued repeatedly that protecting the environment and exploiting resources can go hand in hand. Energy East and Trans Mountain are now going through the interim review process that the NEB once touted as so innovative, and that Trudeau said would provide the kind of community support, the "social licence," needed to proceed. The government needs something, too. It needs to show that at least one of these pipelines

can meet the dual test of being good for the economy without being harmful to the environment.

And for Energy East, that could very well mean starting over — for the good of the Liberals' political agenda.

FRACKING THREATENS DAMS

THERE ARE environmental reasons to stop fracking in B.C. There are political reasons to continue. In addition to the environmental reasons to stop fracking, there is a risk to B.C. dams. The list continues to grow: the contamination of groundwater, the disturbance of natural environments with roads and drilling rigs, the disposal of toxic water, and now the danger of earthquakes. Especially around dams, reservoirs, and tailings ponds.

Freedom of information documents obtained by the Canadian Centre for Policy Alternatives reveals the concerns of BC Hydro officials. BC Hydro became alarmed in 2009 when drilling started on lands near Peace Canyon Dam, downstream from the W.A.C. Bennett Dam; a dam which holds the world's seventh-largest hydro reservoir by water volume. Ray Stewart wrote, "BC Hydro believes there are immediate and future potential risks to BC Hydro's reservoir, dam and power-generation infrastructure as a result of this coal-bed methane project." He warned that earthquakes caused by fracking "may be greater than the original design criteria for the dam." His concerns are well-founded. Fracking is taking place in the Montney Basin which underlies much of the Peace River region, an

area rich in shale gas. And fracking is proven to cause earthquakes. Stewart also warned that fracking could "reactivate" ancient faults in the region, which could potentially set the stage for earthquakes. He also warned of "hydrogeologic impacts" on hydro reservoirs from fracking. He worried that the land might sink or that dried-out coal seams might ignite. The land could sink and the coal dry out because the cavities that result from the extraction of gas. It occurs after water under pressure fractures the shale and is pumped out. The gas follows the pumped out water. The cavities are one thing, the toxic water is another. To get rid of the toxic water, it's pumped back into the earth below the area that's been fracked. The pressure created triggers earthquakes. Regulators have been slow to react. BC Hydro would like to stop the drilling within five kilometres of dam sites but regulators have not ruled it out, citing only "understandings" with drillers. Even BC Hydro's deputy CEO, Chris O'Riley, seems to be in denial. "Fracking by itself cannot generate large magnitude earthquakes." That's not what the U.S. Geological Survey found. While B.C.'s fracking is in its infancy, the USGS has been studying the alarming rise of fracking-induced earthquakes in Texas and Oklahoma for decades. The USGS says that magnitude 6 fracking-induced earthquakes could occur which can damage even well-built structures. "But we can't rule out quakes of magnitude 7 and above," says Mark Petersen, chief of the National Seismic Hazard Mapping Project (Scientific American, July, 2016). The political reason for fracking is that it's the only plan we have.

Premier Clark campaigned on her plan to liquefy natural gas plan and won — a plan to drill and export LNG and to power it with the Site C dam.

She's likely to campaign on the same strategy again in the upcoming B.C. election. Even though LNG markets have dried up and the power from Site C won't be needed for decades, it's the only game in town. It will be interesting to see what job-creation strategies other parties have as the campaign heats up.



MEDICAL JOURNAL
www.MEDJOURNAL.ca

PH: 1-800-293-9865
FAX: 1-800-309-1190

SCS SAFETY COORDINATION SERVICES
 Safety Compliance Health Environmental Learning Leaders

Working safely may get old, but so do those who practice it. Because life and limb are on the line, we have assembled the best safety training instructors anywhere.

www.safetycoordination.com

On-site & On-location Training
 7 Days A Week
780.485.3585

Keeping You Safe

LSS

www.leducsaafety.com 1903 - 4th Street, Nisku AB

P: 780.955.3300 * F: 780.955.7651 * T: 1.800.668.4299