

Infomart Newsletters

From: Infomart Newsletters
Sent: January 5, 2018 7:52 AM
To: Rosemarie Leclair
Subject: Morning News Clippings - Friday, January 5, 2018

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Morning News Clippings

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Date: Friday, January 5, 2018
 Edited by: Tara Brautigam (Tara.Brautigam@oeb.ca)

[Contact Editor](#)

Clippings Summary

News - 13 Results



Tomorrow, millionaire Hydro One CEO will have earned more in 2018 than the average family will earn all year

Sault Online - Thu Jan 4 2018

Tone: **Neutral**

[Permalink](#)

The millionaire CEO of Hydro One will have already earned as much as the average Ontario family by Friday – before he even goes for lunch. (PLEASE NOTE: This appears to be a PC media release run verbatim in the Sault Online).



Ontario and First Nations complete Hydro One share sales

Turtle Island News - Thu Jan 4 2018

Tone: **Neutral**

[Permalink](#)

Ontario quietly announced, over the holidays, that it had completed the sale of 14,391,012 common shares to 129 First Nations that control OFN Power Holdings.



Chiefs laud sale of Hydro One shares

Brantford Expositor - Fri Jan 5 2018

Tone: **Positive**

Byline: Michael -Allan Marion

Ad Value: \$573

Reach: 29497 Page: A3

The **Ontario** government's completion of the sale of nearly 14.4 million common shares of **Hydro One** Ltd. stock to a **corporation** held by 129 First Nations represents another step in the province's ...

DGR discussions continue



Owen Sound Sun Times - Fri Jan 5 2018

Tone: **Negative**

Byline: Don Crosby

Ad Value: \$463

Reach: 13178 Page: A1 / Front

Ontario Power Generation continues to await a Saugeen Ojibway Nation decision on the future of the Deep Geologic Repository proposal at the **Ontario Power Generation** Western Waste ...



Guelph Hydro conducting phone survey on electrical safety

GuelphMercury.com - Thu Jan 4 2018

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Byline: newsroom@guelphmercurytribune.com

Reach: 11700

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Ad Value: \$83

Reach: 6967 Page: 1

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Ontario's precarious future

Shoreline Week (Tecumseh) - Fri Jan 5 2018

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Reach: 17100 Page: A6

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Would we be ready today?; Given we sit in an area prone and predicted to see more freezing rain, what did we learn?

Cornwall Standard Freeholder - Fri Jan 5 2018

Tone: **Negative**

Byline: Andy Riga

Ad Value: \$898

Reach: 15286 **Page:** A3

A rare confluence of circumstances is required for freezing rain to develop: precipitation falling in an area where a layer of warm air is sandwiched between two layers of cold air. The bad news: Montreal is one of the most freezing-rain prone ...



The Great Ice Storm of 1998, by the numbers

ottawacitizen.com - Thu Jan 4 2018

Tone: **Negative**

Byline: Tom Spears

Reach: 146400

What many recall of the Great Ice Storm of 1998: The sounds. It came quietly, a steady drizzle that in the cold, still air left trees, **power** and phone lines, sidewalks and roads coated with a glistening layer of ice. Absent the usual ...



Alberta cancels alert over natural gas shortage in northern Mackenzie County

National Post - Thu Jan 4 2018

Tone: **Neutral**

Byline: The Canadian Press

Reach: 607500

EDMONTON - The Alberta Emergency Management Agency has cancelled the alert it issued on Friday about a **natural gas** shortage affecting people in the **north** who were enduring an extreme cold snap. The province says the ...



Carbon bounties

National Post - Fri Jan 5 2018

Tone: **Negative**

Byline: Lawrence Solomon

Ad Value: \$12,167

Reach: 159480 **Page:** FP9

A carbon tax has a solid theoretical basis in economics, which is why a great many economists favour it to address global warming. If you want more of something, they explain, provide incentives. If you want less of something - in this case carbon ...



The year Catherine McKenna must herd the cats for a national climate plan

thestar.com - Thu Jan 4 2018

Tone: **Neutral**

Byline: Tim Harper

Reach: 999000

On the day Alberta raised its carbon price to \$30 a tonne, a message on a huge **gas** station sign in Spruce Grove attracted a lot of attention. It initially used a one-word profanity to attack NDP Premier Rachel Notley and Prime Minister ...

Clippings Summary

Full Articles



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THE EXPOSITOR

Chiefs laud sale of Hydro One shares

Brantford Expositor - Fri Jan 5 2018
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The **Ontario** government's completion of the sale of nearly 14.4 million common shares of **Hydro** One Ltd. stock to a **corporation** held by 129 First Nations represents another step in the province's reconciliation with Indigenous peoples, says Six Nations elected Chief Ava Hill.

"This is a benefit for future generations. It's another sign of a new relationship in this era of reconciliation," Hill said in an interview Thursday.

The government completed on Dec. 29 the promised sale of shares representing 2.4 per cent of the outstanding common shares to OFN **Power** Holdings LP, a limited partnership whollyowned by **Ontario** First Nations Sovereign Wealth LP, which is in turn owned by 129 First Nations in **Ontario** at a purchase price of \$18 per share for a little more than \$259 million.

The transaction was quietly announced Wednesday in a news release from the **Ministry of Energy**.

"The transaction fulfills the province's commitment in its agreement-in-principle with the Chiefs-in-Assembly on behalf of the First Nations in **Ontario**, which was previously announced on July 12, 2016, the ministry's statement says.

"This transaction demonstrates the goodwill envisioned by the political accord to promote stronger economic relations and is one of the many steps in **Ontario's** journey of healing and reconciliation with Indigenous peoples.

"It will provide meaningful opportunities to First Nations for collective wealth creation and to advance economic development initiatives."

The government's initiative is designed to broaden the ownership base of **Hydro One**.

The purchase is financed through a 25-year term loan from the province with a principal amount of \$259 million.

The interest **rate** for the loan is at the province's borrowing **rate**, plus 15 basis points.

The shares sold in the transaction have been pledged as security for the term loan.

The annual dividends from the shares will be shared by the First Nations partners in the **corporation**.

Six Nations is one of the partners. The Mississaugas of the New Credit First Nation did not sign onto the deal.

The province has also provided seed capital of about \$29 million in cash to a new investment fund wholly-owned by **Ontario** First Nations Sovereign Wealth.

The annual dividends from the shares will be shared by the First Nations partners in the **corporation**.

The announcement was greeted with enthusiasm by several chiefs, including Hill, who advised that the sale is meant to provide dividend income and economic ownership in the long term.

"We won't see revenue for at least five years, but we have to think of our future generations," she said.

"We have smart young people coming up behind us who will know what to do with the income when the time comes."

Ontario Regional Chief Isadore Day with the Chiefs of **Ontario** said he's "quite thrilled" with the deal.

"It allows us to have a seat at the table with **Hydro One**. We negotiated a low-interest loan from the **Ontario** government that did not see First Nations having to contribute anything," he said.

"This is an opportunity of longterm investment." MMarion@postmedia.com
@expMarion

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DGR discussions continue

THE SUN TIMES

Owen Sound Sun Times - Fri Jan 5 2018

Tone: **Negative**

Byline: Don Crosby

Ad Value: \$463

Reach: 13178 Page: A1 / Front

Ontario Power Generation continues to await a Saugeen Ojibway Nation

decision on the future of the Deep Geologic Repository proposal at the **Ontario Power Generation** Western Waste Management site near Tiverton.

"We are continuing to have a meaningful and respectful engagement with Saugeen Ojibway Nation," Lise Morton, vice president, nuclear waste management for **OPG**, told Bruce County council.

The **OPG** project, currently estimated to cost \$2.4 billion, would involve the construction of an underground storage site at the Bruce nuclear site, close to the Lake **Huron** shoreline. Hundreds of thousands of cubic metres of low and intermediate radioactive waste now stored above ground at the site would be buried 680 metres below ground. **OPG** has long touted the waste storage **plan** as safe but the **plan** faces opposition from politicians in Canada and the United States. It won tentative approval after an environmental **review** in May 2015. Since then both the former Conservative and current Liberal governments have repeatedly delayed making a final decision.

Last August, federal Environment Minister Catherine McKenna asked **OPG** to come back with more information, this time on how the project might affect First Nations. "We believe that engagement is going very well and we remain committed to Saugeen Ojibway Nation as we committed in a 2013 letter from our president that we will not build the DGR without their support. We continue working with them and respecting the community's timeline and their process and working with them through that process," Morton said.

In the meantime **OPG** is going ahead with expansion plans at the above-ground storage facility following renewal of the site's licence for another 10 years.

They include new buildings either under construction or in the design phase in 2018 - two low-level storage buildings, three multipurpose storage buildings, two used fuel storage buildings as well as a waste processing building. Morton said additional surface storage is needed. "Expansion and work on the Western Waste Management Facility needs to occur regardless of the DGR project or not," she said. "There are ongoing wastes that we need to manage and to deal with; so they are not related specifically to the delays of the DGR project." Among the buildings being planned is a waste facility in which low-level waste is sorted so some material can be decontaminated and diverted, Morton said.

"Ultimately we are trying to reduce our environmental footprint and sorting waste and further processing some of that waste certainly goes a long way to reducing our environmental footprint," she said. Morton also brought council up to date on the \$12.8 billion, 10-year **plan** to extend the life of the Darlington nuclear station by 30 years, which she said is on time and on budget.

She noted **OPG** has a role in Bruce **Power's** \$13 billion major component replacement set to begin in January 2020.

She announced that **OPG** has recently completed construction of the Peter Sutherland hydroelectric generating station - a 28 megawatt facility **north** of Timmins - completed in 2017. It generates enough **electricity** to supply 28,000 homes.

Morton said the new facility includes an equity partnership between **OPG** and the local First Nation community. Meanwhile a decision on an **OPG rate** hike **application** to the **Ontario Energy Board** in 2017 is expected by early this year.

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Guelph Hydro conducting phone survey on electrical safety

GuelphMercury.com - Thu Jan 4 2018

Tone: **Positive**

Byline: newsroom@guelphmercurytribune.com

Reach: 11700

Hear your phone ringing? It may be **Guelph Hydro**, asking you about **electrical** safety.

Starting Monday, Jan. 8, UtilityPULSE, an opinion research firm, will be conducting a telephone survey on behalf of **Guelph Hydro** to "gauge the level of awareness regarding **electrical** safety in the communities of **Guelph** and Rockwood," according to a news release.

Those who receive the call will be asked a series of questions on safety topics related to **power** lines, green transformer boxes and more.

Guelph Hydro notes that surveyors will also request basic demographic information, but will not ask for a **Guelph Hydro** account number, home address, credit card number or banking information.

The survey will take approximately five minutes to complete.

"Safety is **Guelph Hydro**'s No. 1 priority," states Pankaj Sardana, chief executive officer of **Guelph Hydro Electric** Systems Inc., in a news release.

"If you receive a call, please consider participating. Your responses will help us better target our **public** safety communications to help prevent **electrical** injuries or fatalities in our community."

Results from the survey will be included in **Guelph Hydro**'s annual scorecard, set to be released this fall.

For more information on the survey, contact **Guelph Hydro**'s **customer service** department by calling 519-822-3010 or emailing cservice@guelphhydro.com.

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Dan Matten set to run for Liberals in upcoming election

The Sachem - Thu Jan 4 2018

Tone: **Positive**

Ad Value: \$83

Reach: 6967 Page: 1

Dan Matten knows it's an ambitious goal. For his first foray into politics, the 53-year-old Hagersville resident has set his sights on unseating longtime Haldimand -Norfolk MPP Toby Barrett in the upcoming provincial election.

Matten is running for the Liberal Party.

"I'm going to be a very strong driver for the party, but also a very strong supporter and vocal advocate for Haldimand-Norfolk at Queen's Park," he said.

Matten lists five main areas he will focus on in the campaign: economic growth, health care, seniors, **students**, and rural issues.

He knows that the Liberals, and in particular Premier Kathleen Wynne, have regularly come under fire for issues like **energy** costs and labour reforms.

"There is a disconnect between people's perception and reality," Matten said. He urged people to compare their **hydro** bills from a year ago to what they're paying now.

He also said that while he appreciated that the increase in minimum wage might present challenges to some businesses, "the government is addressing this by giving tax breaks to businesses. There was \$500 million budgeted to cover these tax breaks."

Also, "we expect, and every economist is agreeing with us, that the increase in wages will mean an increase in the economy. The money will be spent close to home, and will help the local economy to thrive."

Another area where Matten would like to see more money spent closer to home is with long-term care facilities.

"A lot of the seniors I've talked to find the retirement homes too expensive, and there are long wait times for long-term care beds," he said. "I would love to see some of our tax dollars come back into the community, to create homes and long-term care beds, especially in the towns where we don't have any."

Matten also feels more should be done to help seniors with the cost of medication.

"In situations where seniors are struggling with the cost, we have to be there for them," he said. "Before long, we will be the seniors, and we want to be looked after."

Matten pointed out that changes have already been made to make medication more affordable for the younger generation.

Jan. 1, 2018, was the launch of OHIP+, which makes over 4,400 prescription medications available to people aged 24 and younger for free.

"This is an unprecedented and major change like we haven't had in decades," he said. "It's an internationally-leading program. It will help families of lower and middle class financially. It is **fair** to everyone, because it is available to everyone."

Matten sees the recent changes to tuition as another major plus for the province's youth.

"Some 210,000 **students** received free tuition this year. The difference between free tuition and grant forgiveness is that with free tuition, young people are looking at college and university as a real option, without being scared of the huge mountain of debt they would accumulate ... before, they wouldn't have even dared to dream."

Matten said that offering free tuition, "is giving (**students**) a **fair** shot at success. And young people's success will guarantee **Ontario**'s success. This also means economic growth and stability."

As much as he has an eye on the state of the province, Matten noted that there are some issues that are more exclusive to the riding.

He feels that he has a good understanding of rural issues; he and his wife, Barb, have a cash crop farm on Highway 6.

Access to services such as internet and **natural gas** is an ongoing problem for those who don't live in municipal centres.

"Many people don't have access, or it is in a very limited way," he said of trying to get online.

When it comes to **natural gas**, which Matten calls "very efficient, low-cost way of supplying **energy** ... I would like to work with the government for a rural connectivity program," he said.

In both cases, though, "the goal is to make it affordable to connect."

Matten hopes that he will be able to have the opportunity to address these and other issues.

"I'm a person who, if I see a problem, I don't want to complain about it; I want to do something about it. That's why I'm running. I want to find solutions to issues."

The provincial election is set for June.

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Carmeuse appeals to province; But environmental groups are opposed to the burning of manmade waste, designed to replace fossil fuels, in Carmeuse's Beachville kilns

Woodstock Sentinel-Review - Fri Jan 5 2018

Tone: Neutral

Byline: Heather Rivers

Ad Value: \$465

Reach: 7920 **Page:** A1 / Front

A proposal to use some manmade, low-carbon fuel in place of fossil **fuels** at Carmeuse Lime and Stone's Beachville facility has drawn disapproval from local environmental groups.

Carmeuse announced Wednesday it has requested approval from the Ministry of the Environment and **Climate** Change to conduct one of the first-ever demonstration projects using alternative low-carbon fuel (ALCF) derived from nonhazardous waste materials such as paper, plastic, rubber and wood.

The project is the result of new regulations that allows energyintensive industries like Carmeuse to replace fossil **fuels** as part of a temporary demonstration project and test the impact the alternative fuel has in an effort to decrease greenhouse **gases** linked to **climate** change.

"We are proud to be the first industry in **Ontario** to pursue a demonstration project at our Beachville operation to use ALCF in place of coal or **natural gas**," said Christopher Martin, Carmeuse's **regional** environmental manager, in a written statement. "The demonstration project is consistent with our company's mission of promoting sustainability and protecting the environment."

But OPAL, a local environmental group that opposes Carmeuse's proposed **plan** to host a landfill site, is vehemently against the use of ALCF and worries about its "potentially harmful" impact on air quality.

"The community is being offered two unacceptable choices - continue to breathe in the emissions from coal and coke or accept that we will breathe in unknown emissions added to those which will result from the 60 per cent coal and the known emissions of plastics, rubber and tires," said Bryan Smith, president of Oxford People Against the Landfill (OPAL). "The (ministry) surely has alternatives which do not offer this level of risk in the way of **alternative fuels**."

But Martin said Carmeuse will closely monitor their ALCF and its emissions from its kilns.

"Carmeuse will follow (the ministry's) strict guidelines on what types of materials may be used in the ALCF blend, the total amount of fuel that may be burned during the demonstration period, when it can be burned, and other statutory guidelines," he said. "Carmeuse will closely monitor ALCF emissions during the demonstration period - and share this information directly with (the ministry) - so we can gather facts to determine the extent by which greenhouse **gases** are reduced and how emissions from ALCF compare with emissions from fossil **fuels**."

Suzanne Crellin, president of the Oxford environmental Action Committee, said her group also is opposed to the project based on worries about air pollutants

and odours.

"A few years ago we identified an 11-year data gap of missing Ministry of environment air quality information for our air shed, and we're often contacted by people who report their homes are still being impacted terribly by industrial air pollution," she said. "you're asking our kids, our grandparents, our neighbours, to breathe in particulates and contaminants that would result from the burning of plastics and other waste materials. What health impacts would we see in the short term or down the road?" Mike Farlow, president of Transition to Less Waste, said his hopes would be that the province would work on enforcing packaging and manufacturing requirements that would greatly reduce non-recyclable packaging.

"Our organization believes in eliminating the burning of coal, but we believe there has to be a better answer than trucking this material made of plastics and other waste all the way from New York State and dumping it into the kilns," he said. HRivers@postmedia.com

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SHORELINE

Ontario's precarious future

Shoreline Week (Tecumseh) - Fri Jan 5 2018

Tone: Negative

Byline: Peter J. Middlemore

Ad Value: \$429

Reach: 17100 **Page:** A6

The corporate tax cuts just passed in the U.S. and the Trump administration's NAFTA demand for 50 per cent U.S. content of a car could see many more industries and jobs moving south of the border.

Ontario having high **hydro rates**, costly environmental **cap and trade** policies, and a minimum wage of \$15 per hour might find itself in a very precarious financial situation.

Ontario has already lost over 318,000 manufacturing jobs in the past 10 years, with a meager 3.8 per cent growth, compared to Canada's national average of 10.8 per cent.

Kathleen Wynne's Liberal government has wasted billions and their **Green Energy Act** has forced consumers to overpay \$37 billion for **electricity** between 2006 and 2014, while **Ontario**'s debt has grown to \$312 billion - \$22,000 for every Ontarian.

The **Ontario Electricity** Support Program, offers to those who qualify a 25 per cent **hydro rate** reduction, that is estimated will cost \$21 billion, the temporary **hydro rate**, has required \$39.4 billion in borrowing, while a leaked government document, expects that **hydro** prices will soar in four years.

Ontarians are feeling the effects of 10 years of Liberal leadership, their cost of living rising 37 per cent while **Ontario** is the most indebted sub-national borrower in the world, having twice the debt per citizen as the State of California.

The Liberal Party seems to have little concern related to **Ontario**'s precarious financial situation, with the possible changes in NAFTA, or the potential effect of the U.S. corporate tax cuts, that potentially will affect jobs, but also **Ontario**'s fragile economy.

Sadly, no matter what opposition party gains a majority in 2018, they will face the reality of **Ontario**'s staggering debt that will require responsible, and politically difficult government program adjustments, to avoid **Ontario**'s demise.

Peter J. Middlemore Sr.

Windsor

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Would we be ready today?; Given we sit in an area prone and predicted to see more freezing rain, what did we learn?

Cornwall Standard Freeholder - Fri Jan 5 2018

Tone: Negative

Byline: Andy Riga

Ad Value: \$898

Reach: 15286 **Page:** A3

A rare confluence of circumstances is required for freezing rain to develop: precipitation falling in an area where a layer of warm air is sandwiched between two layers of cold air.

The bad news: Montreal is one of the most freezing-rain prone regions in **North** America. The worse news: **climate** change may make ice storms more frequent - and more drawn out.

That means we may yet see a replay of the extraordinary 1998 Ice Storm, which plunged half of Quebec into darkness, in some cases for weeks.

Twenty years later, is Quebec's **power** supply more secure and are Quebecers better prepared for weather disasters?

A remarkable amount of freezing rain fell in southern Quebec between Jan. 5-10, 1998. In some places, 110 millimetres fell, double the normal annual total.

Unable to withstand the weight of the ice, **Hydro**-Québec structures toppled like dominoes, taking with them **wires** carrying **electricity**.

The tally: 1,000 steel pylons and 24,000 wood poles damaged, and thousands of kilometres of **power** lines downed.

By Jan. 6, 700,000 customers were without **power**. And it got worse.

Four days later, 1.4 million **Hydro** customers were in the dark, representing 3.5 million people or half the province's population. Businesses, bridges and highways were closed.

With the help of the Armed Forces and crews from other jurisdictions, **power** was gradually restored. By Day 12, a return to normal was in sight, though 285,000 customers were still without **power**.....

Eyad Atallah studies extreme precipitation.

He's expecting to be busy in the years to come because of **climate** change.

Freezing rain normally occurs only a handful of times per winter in Montreal and it lasts only a few hours, said Atallah, a research associate at McGill University's Atmospheric and Oceanic Sciences Department.

The 1998 storm was almost unprecedented because the weather mix remained stationary for several days, he noted.

Because of **climate** change, in the future "it's quite probable that when we do have ice storms, the accumulations of ice will be larger," Atallah said.

"That's because the amount of precipitation we expect in storms in general is

going to go up as the atmosphere warms up. We're already seeing that trend; we don't even need to go into projections."

Experts expect more precipitation will fall in the form of freezing rain in the future, and scientists think that due to **climate** change, "patterns will be moving more slowly and so storms may be more persistent," Atallah said.

But so far there's no "statistically significant trend in the data" to predict an increase in the number of ice storms - prolonged periods of freezing rain that cause significant ice accumulation.

How should we prepare? "The only thing you can really do is work on infrastructure and on emergency-response management," Atallah said.

At the peak of the 1998 storm, a single teetering **transmission** line remained to **power** the entire island of Montreal.

"If that line had gone down, the humanitarian disaster would have been much worse," Atallah said. "Shelters would have been lost, hospitals would have lost **power**. We were really on the brink of a much bigger disaster."....

Marie-Ève Grenier is working to ensure future **power** failures aren't as devastating.

An engineer, she works in the **Hydro**-Québec division that operates and develops **transmission** lines.

The **utility** spent \$2 billion in the aftermath of 1998, rebuilding its network and adding capacity, including new **transmission** lines serving Montreal and areas south of the city. Cornwall **Electric** sources its **electricity** from **Hydro** Quebec - and did at the time of the storm - so these improvements have benefited the local supply as well.

"We improved the configuration of the **transmission** system," Grenier said.

"We built new lines so that we have 'loops'- if a **transmission** line fails, we have alternative paths for the **electricity**. If we have one line failure, we can count on another one."

In addition to the redundant **power** supply, **Hydro** upgraded the network of enormous towers that carry **transmission** lines and the wood poles that carry **power** to homes and businesses.

Every 10th **transmission** pylon is now a more robust "anti-cascading tower" that is heavier and stronger than other towers, Grenier said. That means fewer would fall in an ice storm, she said, noting "in 1998, 40, 50 kilometres of lines were crashing down."

And cables attached to anticascading towers are fastened in such a way that if ice-laden cables plunge to the ground, they won't bring the tower down with them, she added.

In 1998, many wood poles snapped in two or were toppled.

Newer poles are a bit thicker, and the part atop poles that holds up the **wires**, known as a "crossarm," is now made of plastic instead of wood. In extreme weather, the plastic crossarms break, not the poles.

Grenier said Quebecers worried about a replay of 1998 can rest easy.

"We have a more robust, reliable grid," she said. "We can't be totally immune (to major storms) but the impact of another ice storm would be minimized and the **service** would be restored quickly."

If Quebec experienced a repeat of January 1998's weather, the **power** might go off, but "instead of a couple of weeks, it would be more in terms of days."
ariga@postmedia.com twitter.com/andyriga

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The Great Ice Storm of 1998, by the numbers

ottawacitizen.com - Thu Jan 4 2018

Tone: **Negative**

Byline: Tom Spears

Reach: 146400

What many recall of the Great Ice Storm of 1998: The sounds. It came quietly, a steady drizzle that in the cold, still air left trees, **power** and phone lines, sidewalks and roads coated with a glistening layer of ice. Absent the usual sounds of urban and rural life: the sharp crack of trees splintering, their broken limbs crashing to the ground with the sound of a million shattered crystal goblets, the rattle and hum of downed **power** lines, the groan of **hydro** towers collapsing under tonnes of ice.

The hardships, the tragedies, the losses:

5 million: People who lost **power** in **Ontario**, Quebec and the northeastern United States. In Eastern **Ontario**, about 600,000 lost **power**.

11,000: **Hydro** polls in **Ontario** destroyed, in addition to 1,000 transformers and 300 steel towers damaged or destroyed.

33: Days some rural areas were without **power**.

35: Deaths, by fire, hypothermia, falling ice and carbon monoxide poisoning. There were 22 in Quebec, four in **Ontario**, nine in U.S. states. The **Ottawa** Civic Hospital, as it was then known, revived an elderly man living alone whose core temperature fell to 20 C, which the hospital called "virtually incompatible with life."

78: Greatest thickness of ice, in millimetres, measured at Farnham, Que. Environment Canada said as much as 100 mm of freezing rain might have fallen in an area without official monitors.

67.6: Millimetres of freezing rain recorded in **Ottawa** with no melting, most of which fell in the storm's first 24 hours.

\$1.1 billion-plus: Final insurance claims, according to the Insurance Bureau of Canada; \$200 million of the damage was in **Ontario**.

\$14 million: Loss suffered by dairy farmers - 17,000 in Quebec, 10,000 in **Ontario** - who had to dump milk when their **power** was off.

100: Cars that skidded off the Queensway between St. Laurent Boulevard and Greenbank Road before **Ontario** Provincial Police closed the entire highway.

Share Photos: **Ottawa** ice storm of 1998

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Email(mailto:?subject= **Ottawa**%20Citizen%3A%20Photos%3A%20Ottawa%20ice%20storm%20of%201998&body=I%20wanted%20to%20share%20a%20story%20with%20you%20from%20Ottawa%20Citizen%3A%0A%0APhotos%3A%20Ottawa%20ice%20storm%20of%201998%0A%0Ahttps%3A%2F%2Fottawacitizen.com%2Fgallery%2Fphotos -**ottawa**-ice-storm-of-1998%2F%0A)

GALLERY: Photos: **Ottawa** ice storm of 1998 (ottawacitizen.com)

A pedestrian makes his way past downed branches in **west** end **Ottawa** on Jan. 8, 1998, after four days of freezing rain. Dave Chan/**Ottawa** Citizen

The low-hanging **power** lines at the Casselman exit, 50 km east of **Ottawa**, kept dozens of trucks at **bay** for hours. .

Jan 9, 1998— Members of the Royal **Canadian** Dragoons pitch in to clear brush along Southern Dr in the Riverdale area.

Kim Dix (L) and his wife Joanne and kids Camero and Graham make their way to a corner store at Navaho & Laxton. Dave Chan OTTCIT

Jan 10, 1998— Jennifer Kuiack of the Manotick Tea Room puts up a sign letting area residents know that they can get all the water they want and cook their own food at this Main St eatery. Although the restaurant is without **power** it does have a **gas** stove and like the sign says folks are more than welcome to use their facilities.

Cecile Fortin (L) and her son Hughes Fortin (C) and Julie Pelletier prepare dinner under candle light **power** at a emergency shelter in Chelsea, Quebec. Dave Chan OTTCIT

Two high-tension towers on Concession Rd 3-4 near Finch, Ont. downed by ice, pictured January 9, 1998. Pat McGrath/**Ottawa** Citizen

MCpl Pete Leadbeater, from CFB Petawawa, clears trees, hoping to restore **power** to rural Quebec. Pete is originally from Cagary where his parents George and Joyce still reside.

Ottawa streets strewn with fallen trees during the 1998 ice storm. /Tony Caldwell, **Ottawa** Sun

Scott Lucas on Churchill Ave in **Ottawa** removes large tree branches from a car after a severe ice storm hit Jan, 08, 1998. More than three million people were affected by the ice storm that was devastating but also produced images of rare beauty. Errol McGihon/The **Ottawa** Sun; Errol McGihon

Ottawa 1998 Ice Storm - Allison Eagon, then 13, does her homework by candlelight in her family's Glebe Ave. home as sister Charlotte, 7, looks on Jan. 6, 1998. Tony Caldwell/The **Ottawa** Sun photo by Tony Caldwell

Ottawa 1998 Ice Storm - Tasha Geymonat gets kisses from paramedics Marc Lafleur, left, and Bill Magladry yesterday after they helped deliver her 8 lb. 4 oz. son in the back of a truck. PeterCulter/photo by Peter Cutler, **Ottawa** Sun

Ottawa 1998 Ice Storm - View of an ice covered bridge and a highway. Gord Carter/**Ottawa** Sun photo by Gord Carter

Ottawa 1998 Ice Storm - Doug Stevens, left, of Richmond helps unload some generators with Paul Robinson from Chatham at the Green Sales and **Service** depot in Richmond, On. Dairy farmers are in desperate need of generators in order to milk the cows, **power** is out due to the worst ice storm in **Canadian** history. /Jeff Bassett The **London** Free Press

Ottawa 1998 Ice Storm - Groceries being unloaded. /SunMediaArchive

Ottawa 1998 Ice Storm - Hyrdro worker. Errol McGihon/**Ottawa** Sun photo by Errol McGihon

Ottawa ice storm 1998 /OTTwp

Ginette Hebert, office manager of Machabee Animal Food Ltd. in St. Albert, walk past a pile of dead Holsteins which have died from storm-related causes. Dave Chan OTTCIT/OTTwp

Ottawa ice storm 1998 Peter Martin/MON

Jan 10, 1998—Arboritium—it only took a few hours of sunshine after this past weeks ice storm to get people outside enjoying the challenge of winter sports—Michael Hinton age 10 of **Ottawa** pulls his sled under a knocked over tree. Pat McGrath OTTCIT/OTTwp

98-12647 Jan 10, 1998—Western Parkway (near Carling Ave)— Saturday, Jan. 10: first rays of sunshine in six days made trees sparkle, as **Ottawa** area emerges from ice storm. Pat McGrath OTTCIT/OTTwp

A series of **Hydro** towers high voltage towers near Marelville, **Ontario** Saturday that collapsed after a severe ice storm hit Eastern **Ontario** in this Jan.10, 1998. More than three million people were affected by the ice storm that was devastating but also produced images of rare beauty. Peter Cutler/**Ottawa** Sun photo by Peter Cutler

Ottawa 1998 Ice Storm Errol McGihon/**Ottawa** Sun photo by Errol McGihon

Ottawa 1998 Ice Storm - Doina Ghideo looks through a bus shelter covered in ice in **Ottawa**. Tony Caldwell/**Ottawa** Sun photo by Tony Caldwell

Ottawa 1998 Ice Storm - Nick Scott (11 years of at the time) plays chess with Trooper Greg Nowak from **Toronto**'s Queens York Rangers at the Highlands Community Center in Lanark. Tony Caldwell/**Ottawa** Sun photo by Tony Caldwell

Ottawa 1998 Ice Storm - Fallen trees sits on a car covered in ice. Derek Ruttan/photo by Derek Ruttan, **Ottawa** Sun

Ottawa 1998 Ice Storm - A man shovels the ice from his walkway. Tony Caldwell/**Ottawa** Sun photo by Tony Caldwell

Twenty years ago, nearly five million Canadians in southeastern Quebec, eastern **Ontario** and parts of the Maritimes were battered by three successive waves of freezing rain between Jan. 5 and 10. Members of the **Canadian** Armed Forces walk to their headquarters in Westmount on Friday, January 9, 1998. The military are to assist at shelters. This is the fifth day of freezing rain in Montreal. ROBERT GALBRAITH/THE **CANADIAN** PRESS

Twenty years ago, nearly five million Canadians in southeastern Quebec, eastern **Ontario** and parts of the Maritimes were battered by three successive waves of freezing rain between Jan. 5 and 10. Pedestrians make their way past downed trees as an ice storm ripped through Montreal Tuesday, January 6, 1998. The storm has left over 600,000 people without **electricity** as ice-covered trees crashed down on **power** lines. RYAN REMIORZ/THE **CANADIAN** PRESS

Ice storm Richard Arless/MON

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Alberta cancels alert over natural gas shortage in northern Mackenzie County

National Post - Thu Jan 4 2018

Tone: Neutral

Byline: The Canadian Press

Reach: 607500

EDMONTON - The Alberta Emergency Management Agency has cancelled the alert it issued on Friday about a **natural gas** shortage affecting people in the **north** who were enduring an extreme cold snap.

The province says the **natural gas** system that feeds Mackenzie County has recovered.

The county had issued a local state of emergency and had urged its 12,000 residents to conserve **gas** as temperatures plunged below - 40 C.

The county issued a notice Thursday saying people and businesses can resume normal operations and it is closing its emergency operations **centre**.

During the **gas** shortage the hospital in **Fort** Vermilion switched over to diesel for heat and a long-term care home in La Crete switched to propane.

County officials say the **gas** shortage and outages point to the need for another pipeline to supply the region with **natural gas**.

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Carbon bounties

National Post - Fri Jan 5 2018

Tone: Negative

Byline: Lawrence Solomon

Ad Value: \$12,167

Reach: 159480 **Page:** FP9

A carbon tax has a solid theoretical basis in economics, which is why a great many economists favour it to address global warming. If you want more of something, they explain, provide incentives. If you want less of something - in this case carbon dioxide - tax it. As economists like to say, incentives matter.

Honest, intellectually rigorous economists - I'm excluding those who tout carbon taxes to promote an ideological global warming agenda - may soon need to put their **climate** models through new paces, however. To date, they've debated the economic cost of damage resulting from carbon dioxide emissions and the size of the tax needed to persuade individuals and industry to curb their emissions - should it be \$50 a tonne, or \$100 or \$200 a tonne? With scientists increasingly pondering, and predicting, a long-lived period of global cooling, the debate may soon shift to whether we should be offering a bounty of \$50, \$100 or \$200 a tonne to those willing to put additional carbon dioxide into the atmosphere.

One scientist who sees global warming receding as a threat - at least until the 2050s - is Valentina Zharkova at Northumbria University in the U.K., whose research indicates that Earth will soon enter a new Little Ice Age that will last decades. Her findings, which were first presented to the Royal Astronomical Society's National Astronomy Meeting in Wales in 2015, have since gathered support from hundreds of researchers. They build on the work of numerous others around the world who in recent decades have been studying how diminished **solar** activity - most dramatically the absence of sunspots - affects Earth's **climate**. They, in turn, are building on the work of Galileo and the newly invented telescope of the early 1600s which began the concerted study of sunspots, and of British astronomer Edward Walter Maunder, who in the late

1800s linked the absence of sunspots to the depths of the last Little Ice Age two centuries earlier. Our Sun these days, ominously, is sometimes spotless.

In past little ice ages - "they keep repeating every 350-400 years because the Sun goes through this minimum activity," Zharkova explains - crops failed and people suffered. She believes global warming may prevent the worst of a new Little Ice Age from occurring and that it may even bring a silver lining, at least temporarily. "I hope global warming will be overridden by this effect, giving humankind and the Earth 30 years" to find solutions, she said.

Other scientists, such as Habibullo Abdussamatov, head of space research at the Russian Academy of Science's Pulkovo Observatory in St. Petersburg and the author of the 2016 study, *The New Little Ice Age Has Started*, believes the Little Ice Age will last longer - about 100 years. The reliability of Abdussamatov's model - informed by Earth's 18 earlier little ice ages over the past 7,500 years, six of them in the last thousand years - have been repeatedly affirmed by real events, such as irradiance measurements from the Sun. The robustness of Abdussamatov's model allowed him to predict in 2003 the advent of a new ice age by 2015. The models of all the scientists predicting warming, in contrast, have been proven by real events to be abject failures.

Economists who today propose a carbon tax to prevent global warming do so in the belief that the science on global warming is settled, and that a tax is required to mitigate the damage from carbon dioxide emissions. But if the science on global warming gets settled differently - with a new consensus that we face a protracted period of global cooling - these economists would want to change the incentives to encourage the carbon dioxide emissions believed needed to offset harm.

The bounties could come in the form of subsidies to the tar sands and coal mining industries, to pipelines and fracking operations, to encourage the production needed to fossil-fuel the factories and steel mills of tomorrow. Punitive taxes at the **gasoline** pump would be dropped, as would mileage standards on cars. Rather than the "cash for clunkers" programs of old, governments might incent the scrapping of fuel-efficient compact cars while subsidizing the purchase of SUVs. Rather than banning the incandescent light bulb, governments on the advice of economists might ban compact fluorescents.

Simultaneously, these economists would want to eliminate the many perversely-given bounties to conservation programs, **solar** and **wind power**, nuclear reactors and Tesla vehicles.

If such measures and others are required to temper the blows of brutal weather - as severe or more than that we're now experiencing - the **public** would welcome whatever warming might come of pumping additional carbon dioxide into the atmosphere. For their part, economists - those intellectually rigorous - could take grim satisfaction for having applied their knowledge to protecting the planet and its people from the loss of flora and fauna, and helping to make the world a tiny bit less inhospitable.

Lawrence Solomon is executive director of **Energy** Probe, a **Toronto**-based environmental organization. LawrenceSolomon@nextcity.com

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The year Catherine McKenna must herd the cats for a national climate plan

thestar.com - Thu Jan 4 2018

Tone: **Neutral**

Byline: Tim Harper

Reach: 999000

On the day Alberta raised its carbon price to \$30 a tonne, a message on a huge **gas** station sign in Spruce Grove attracted a lot of attention.

It initially used a one-word profanity to attack NDP Premier Rachel Notley and Prime Minister Justin Trudeau, before changing it to the more demure "NDP CARBON TAX HURTS ALL."

This will be the year of the carbon tax in Canada and for federal Environment Minister Catherine McKenna, a year of herding the cats to get all provinces and territories on board with a carbon tax of \$10 a tonne on emissions by the end of this year, climbing to \$50 a tonne by 2022.

She and Trudeau will have to use the big stick to bring a couple in line.

But the political future of Notley will be key to a national **plan**.

Right now, four provinces are on track to meet or exceed the federal benchmark - British Columbia with a \$35 per tonne tax to be implemented in April, Alberta at Notley's \$30 price and **Ontario** and Quebec (www.thestar.com) with **cap-and-trade** programs which will get them where Trudeau wants them.

That is 80 per cent of the country's population already living under carbon pricing without the sky falling.

Manitoba is on track for two years, but **Ottawa** says it will fall short of its target by 2020 under its current **plan**.

New Brunswick and Nova Scotia have introduced plans that do not appear to get them to **Ottawa**'s threshold.

New Brunswick has merely re-purposed **gas** taxes for a **climate** change fund and McKenna has given it a failing grade. Premier Brian Gallant appears dug in.

Saskatchewan (www.thestar.com), under outgoing premier Brad Wall, refused to play nice with **Ottawa**. That does not appear to be changing as the Saskatchewan Party picks a new leader this month.

But critics rightly wonder why McKenna is giving other provinces until the end of this year to get their programs in order when a national **plan** merely had to go from 80 per cent to 100 per cent.

In late December, McKenna and Finance Minister Bill Morneau laid out the timeline for the provinces.

Draft legislation implementing the federal benchmark is expected this month. Provinces or territories that choose to have the federal government impose its program have until March 30 to signal that intention and those who will design programs that comply with **Ottawa**'s pricing level have until Sept. 1 to show how they are going to get there.

Provinces that don't make **Ottawa**'s grade will have the federal government do it for them on New Year's Day 2019. The **Ottawa plan** will remain in effect until 2022.

A spokesperson for McKenna says the minister doesn't foresee any battles with provinces, but says "hard things are hard."

Erin Flanagan, the director of federal policy for the Pembina Institute told me she believes **Ottawa** has "largely set itself up for success" by laying out a clear process and ensuring it has the legal right to impose its benchmark on recalcitrant provinces.

But there are major speed bumps ahead.

Ottawa will return all revenue to provinces that have a price imposed on them, but will there be strings attached?

Ottawa could force provinces to spend that revenue reducing greenhouse **gas** emissions.

And this is where the alliance between Trudeau and Notley comes in.

Notley will need a pipeline victory to win re-election against opposition leader Jason Kenney. And Trudeau will be forced to either become more vocal about the need for the **west coast** Trans Mountain pipeline expansion, costing him support in British Columbia, or stand back and let Notley fend for herself, potentially costing him a key ally in the spring of 2019.

Kenney, if elected, would repeal the Notley carbon tax.

"We are not solving this problem without Alberta," Flanagan says.

"The province has different politics and a different history."

Alberta accounts for 38 per cent of **Canadian** emissions, highest in the country, but the Notley tax costs Albertans more than any of the three provinces on track to meet Trudeau's targets.

One can easily imagine a battle with a Kenney government over where Alberta revenues are spent, and the blowback on Trudeau imposing a federal price in a province historically unfriendly to his party and the name Trudeau would be fierce.

Trudeau, reluctantly or not, is likely going to have to give Notley a boost.

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