

**ELECTRICITY**

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**NATURAL GAS**

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**Recent Hourly Ontario Electricity Prices (HOEP) cents /kWh**

2018	7 x 24	5 x 16	Off Peak	Global Adjustment
January	\$0.03032	\$0.03698	\$0.02435	\$0.08777
February	\$0.01801	\$0.02245	\$0.01434	\$0.07333
March	\$0.01650	\$0.02148	\$0.01240	\$0.07877
April	\$0.02856	\$0.03242	\$0.02547	\$0.09810
May	\$0.01154	\$0.01685	\$0.00677	\$0.09392
June	\$0.01673	\$0.02149	\$0.01257	\$0.13336
July	\$0.02860	\$0.03627	\$0.02228	\$0.08502
August	\$0.02892	\$0.03572	\$0.02281	\$0.07790
September	\$0.02693	\$0.03203	\$0.02320	\$0.08424
October	\$0.01278	\$0.01635	\$0.00957	\$0.08921
November	\$0.02362	\$0.03383	\$0.01469	\$0.12235
December	\$0.01798	\$0.04143	\$0.01203	\$0.09198
<b>Average</b>	<b>\$0.02202</b>	<b>\$0.02783</b>	<b>\$0.01713</b>	<b>\$0.09306</b>
2017	\$0.01414	\$0.02033	\$0.01091	\$0.09968
2016	\$0.01488	\$0.01931	\$0.01247	\$0.09810
2015	\$0.02165	\$0.02792	\$0.01841	\$0.07746
2014	\$0.03239	\$0.04057	\$0.02815	\$0.05299
2013	\$0.02498	\$0.03070	\$0.02020	\$0.05893
2012	\$0.02280	\$0.02655	\$0.01968	\$0.05010
2011	\$0.03015	\$0.03534	\$0.02585	\$0.03914

For 2002-2017 monthly averages, refer to www.comsatec.com and access the Historical HOEP report.

**Forward Prices (50 MW Blocks)**

\*Please contact Comsatec Inc. for forward prices\*

LONDON (Reuters) - Oil prices rose on Tuesday, extending gains ahead of expected output cuts by producer cartel OPEC and a reduction in Canadian supply.

**Thought of the Day**

"The average, healthy, well-adjusted adult gets up at seven-thirty in the morning feeling just plain terrible." - Jean Kerr

**Natural Gas Utility Rates**

	(\$/GJ)	(¢ / m <sup>3</sup> )
Enbridge Gas (Rate 6)	\$2.68	10.12
GMI	\$3.19	12.09
Union Gas (South) (M2)	\$4.22	15.92
Union Gas (North) (Rate 01)	\$3.86	14.56

**Natural Gas Prices**

	DAWN (\$/GJ)	AECO (\$/GJ)	NOVA (\$/GJ)	EMPRESS TOTALS (\$/GJ)	(¢ / m <sup>3</sup> )	
Same Day	\$5.70	\$1.34	-0.7%	3.79	\$5.13	19.4
NM	\$6.23	\$1.47	-29.7%	6.00	\$7.47	28.2
Jan '19 - Mar '19	\$5.97	\$1.64		3.52	\$5.16	19.5
Apr '19 - Oct '19	\$3.50	\$1.19		1.65	\$2.84	10.7
Nov '19 - Mar '20	\$3.91	\$2.00		1.00	\$3.00	11.3
Apr '20 - Oct '20	\$2.98	\$1.28		1.00	\$2.28	8.6
Nov '19 - Oct '20	\$3.99	\$1.58		1.73	\$3.31	12.5
Nov '20 - Oct '21	\$3.51	\$1.80		1.12	\$2.92	11.0
Nov '21 - Oct '22	N/A	\$1.90		N/A	N/A	N/A

\*\*Please Note: NOVA prices are for calculation purposes ONLY.\*\*

	(CAD\$/GJ)	(US\$/MMBtu)
AECO One Day Average	\$1.8373	\$3.7379

**Same Day Prices (CAD \$/GJ)**

NDA( est.)	\$6.50	Dawn	\$5.70
Iroquois(east)	n/a	Emerson 2	\$5.63
Parkway	\$5.76		

(To convert \$/GJ to ¢/m3 multiply \$/GJ by 3.78)

Exchange (FX) \$1.328 (Can \$ / 1 US \$)

**Costless Collars (Minimum Requirement 1,000 GJ/day)**

	Floor	Cap
Dec 18 to Mar 19	\$1.39 /GJ	\$2.23 /GJ
Apr 19 to Oct 19	\$0.94 /GJ	\$1.37 /GJ
Nov 19 to Mar 20	\$1.65 /GJ	\$2.09 /GJ

**Oil (West Texas Intermediate)**

Prompt Month	\$53.19	\$53.13	\$0.06	Up
Current		Open	Change	

**Transcanada Fuel Ratios**

Enbridge CDA	Dec-18	3.56%
Enbridge EDA	Dec-18	3.66%
Union NDA	Dec-18	3.03%
Union WDA	Dec-18	2.05%
Union SWDA	Dec-18	3.44%

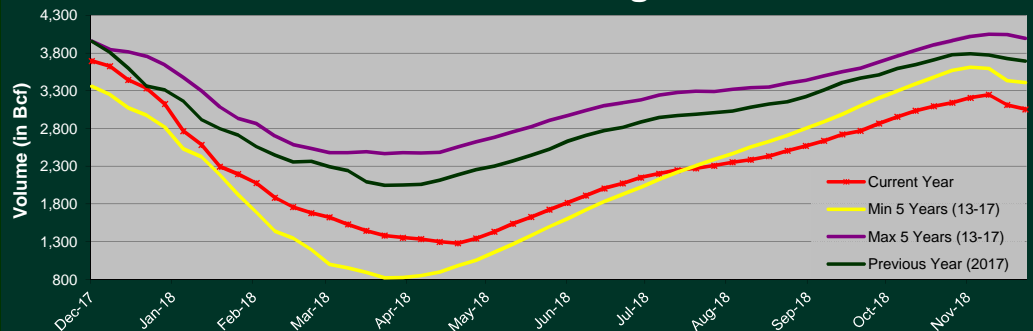
**Carbon Credit Allowances (CA, ON, QC)**

Vintage 2018	\$15.55	USD / Tonne CO <sub>2</sub> e
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## EIA U.S. Storage

Week Ending	Storage (Bcf)	Weekly Change
16-Nov-18	3,113	-134
23-Nov-18	3,054	-59
Overall % of Storage Used		63%

Storage went down last week by -59 BCF to 3054



For more information, please visit our website at [www.comsatec.com](http://www.comsatec.com)