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**CUSTOM REPORT**

# ***Canada's Propane Industry and Markets Regional Profiles***

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**Canadian Propane Association**

CONFIDENTIAL

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## Data description and sources

### Regions

A total of nine regions are presented in this brief report including:

- Canada
- British Columbia (BC)
- Alberta (AB)
- Saskatchewan (SK)
- Manitoba (MB)
- Ontario (ON)
- Quebec (QC)
- Atlantic Canada (including New Brunswick, Nova Scotia, Prince Edward Island, and Newfoundland and Labrador)
- Northern Territories (including the Northwest Territories, Nunavut, and Yukon)

### Base year

2016 is the latest year for which all data sources are available as a common denominator. As such, this year is the base year for all the data presented in this report.<sup>1</sup> Although some data points are already available for either 2017 and/or 2018, it becomes difficult to make any valid comparisons either across regions or even across different data items based on different years – thus reinforcing the suitability of using a single year (i.e., 2016) as the base year for this analysis.

### Propane in the energy mix

- **Propane's share of total regional energy demand:** estimated as total propane end-use demand in a region (including industrial, commercial, residential, transportation, and agriculture end-use demand, but excluding producers' own consumption and non-energy use),<sup>2</sup> over a region's total primary and secondary energy use final demand.
- **Region's share of total Canadian propane demand:** estimated as the region's total demand for propane over total Canadian propane demand.

Data for these ratios comes from:

- Statistics Canada's Table 25-10-0029-01 (formerly CANSIM 128-0016): Supply and demand of primary and secondary energy in terajoules, annual
- Statistics Canada's Table 25-10-0026-01 (formerly CANSIM 128-0012): Supply and demand of natural gas liquids, annual

### Propane production

- **Region's share of Canadian propane production:** estimated as total regional propane production – including propane extraction as a natural gas liquid (NGL) from gas processing plants and propane production as a refinery liquefied petroleum gas (LPG), over total Canadian propane production.

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<sup>1</sup> Except for the data on propane vehicles' fueling stations (this data is for December 2018).

<sup>2</sup> Non-energy use refers to petrochemical feedstock demand.

Data on propane extraction from gas plants comes from:

- British Columbia’s natural gas and oil statistics (by-products production dataset) for BC
- The Canadian Association of Petroleum Producers (CAPP) for Nova Scotia and SK
- Statistics Canada Table 25-10-0026-01 (formerly CANSIM 128-0012) for AB and ON

Data on propane production as a refinery LPG is estimated using:

- Statistics Canada Table 25-10-0026-01 (formerly CANSIM 128-0012)
- Statistics Canada’s Table 25-10-0029-01 (formerly CANSIM 128-0016)
- Statistics Canada’s Table 25-10-0030-01 (formerly CANSIM 128-0017): Supply and demand of primary and secondary energy in natural units

### Propane demand by sector

Demand data comes from Statistics Canada Table 25-10-0026-01 (formerly CANSIM 128-0012).

### Sales by sector

Sales estimates were developed by The Conference Board of Canada for the *Fueled-Up* market study (2018) using demand volumes (from Statistics Canada) together with price data and assumptions, as well as export volumes and prices data from the National Energy Board (NEB).

**Wholesale-level sales** include sales for producer’s own-use, non-energy uses/petrochemical feedstock, and industrial sales – including mining, oil and gas, manufacturing, and construction.

**Retail-level sales** include sales across the residential, commercial/institutional, transportation, and agriculture sectors.

### Economic footprint

Economic footprint figures were developed by The Conference Board of Canada for the *Fueled-Up* market study (2018) based on sales estimates (discussed above) and making use of Statistics Canada’s Interprovincial Input-Output model. GDP and employment footprint estimates are presented for the five largest sectors and a sixth category including all other 29 sectors.

All economic footprint estimates including GDP, employment, and government revenues are for the **total level – i.e., including direct, indirect, and induced impacts**. These numbers should be interpreted as the total level of economic activity that the propane industry stimulates across a given region, rather than as a direct measure of the propane industry’s activities in a region’s economy.

### End-use stock/infrastructure

End-use stock and infrastructure metrics were estimated using Statistics Canada’s Table 25-10-0029-01 (formerly CANSIM 128-0016) and Natural Resources Canada’s Comprehensive Energy Use Database (CEUD). Data on propane vehicle fueling stations comes from Natural Resources Canada’s Electric Charging and Alternative Fueling Stations Locator.

## Regional supply and demand balance

- Sources of data for propane production from gas plants and refineries as listed above.
- International exports data is sourced from the NEB.
- International imports data comes from Statistics Canada's International Merchandise Trade (CIMT) database.
- Supply adjustments data is sourced from Statistics Canada Table 25-10-0026-01 (formerly CANSIM 128-0012).
- Inbound and outbound inter-regional transfers – i.e. transfers between different regions within Canada, are calculated by The Conference Board of Canada as follows:
  - (gas plant NGL propane production + refinery LPG propane production + international imports + supply adjustments) – (domestic demand + international exports) = required inter-regional transfers (RIRT), where:
    - If  $RIRT < 0$  → inbound transfer required = transfer from another region(s) in Canada.
    - If  $RIRT > 0$  → outbound transfer required = transfer to another region(s) in Canada.

## Regional profiles

### Canada

<i>Item</i>	<i>Value</i>	<i>Units</i>
<b>Propane in the energy mix</b>		
<i>Propane's share of total regional energy demand</i>	1.6	per cent
<i>Other fuels</i>	98.4	per cent
<i>Region's share of total Canadian propane demand</i>	100.0	per cent
<i>Other regions</i>	-	per cent
<b>Propane production</b>		
<i>Region's share of Canadian propane production</i>	100.0	per cent
<i>Other regions</i>	-	per cent
<i>Gas plant NGL's share of regional propane production</i>	91.6	per cent
<i>Refinery LPG's share of regional propane production</i>	8.4	per cent
<b>Propane demand by sector</b>		
<i>Mining, oil and gas</i>	27.9	per cent
<i>Manufacturing and construction</i>	5.8	per cent
<i>Petrochemicals and producer's own-use</i>	16.7	per cent
<i>Commercial/institutional</i>	24.4	per cent
<i>Residential</i>	10.9	per cent
<i>Transportation</i>	7.7	per cent
<i>Agriculture</i>	6.6	per cent
<b>Total</b>	<b>100.0</b>	<b>per cent</b>
<b>Sales by sector</b>		
<i>Wholesale-level sales</i>	\$ 851	millions of \$2016
<i>Retail-level sales</i>	\$ 2,196	millions of \$2016
<b>Domestic sales</b>	<b>\$ 3,046</b>	<b>millions of \$2016</b>
<i>International export sales</i>	\$ 982	millions of \$2016
<b>Total Sales</b>	<b>\$ 4,029</b>	<b>millions of \$2016</b>
<b>Economic footprint by sector</b>		
<b>GDP by sector</b>		
<i>Oil and gas</i>	\$ 1,699	millions of \$2016
<i>Manufacturing</i>	\$ 266	millions of \$2016
<i>Transportation</i>	\$ 337	millions of \$2016
<i>Wholesale/retail trade</i>	\$ 256	millions of \$2016
<i>Financial services</i>	\$ 266	millions of \$2016
<i>Other sectors</i>	\$ 674	millions of \$2016
<b>Total</b>	<b>\$ 3,498</b>	<b>millions of \$2016</b>
<b>Employment by sector</b>		
<i>Oil and gas</i>	3,299	number of jobs
<i>Manufacturing</i>	971	number of jobs

<i>Transportation</i>	1,795	number of jobs
<i>Wholesale/retail trade</i>	2,759	number of jobs
<i>Financial services</i>	1,990	number of jobs
<i>Other sectors</i>	6,382	number of jobs
<b>Total</b>	<b>17,196</b>	<b>number of jobs</b>
<b>Government revenues by type</b>		
<i>Indirect taxes</i>	\$ 309	millions of \$2016
<i>Personal income taxes</i>	\$ 285	millions of \$2016
<i>Corporate income taxes</i>	\$ 160	millions of \$2016
<i>Other taxes</i>	\$ 37	millions of \$2016
<i>Royalties</i>	\$ 83	millions of \$2016
<i>Carbon tax</i>	\$ 30	millions of \$2016
<b>Total</b>	<b>\$ 905</b>	<b>millions of \$2016</b>
<b>End-use stock/infrastructure</b>		
<i>Estimated number of propane vehicles</i>	95,879	number
<i>Propane fueling stations</i>	739	number
<i>Number of households using propane as main fuel</i>	134,168	number
<i>Built commercial/institutional floor space using propane as main fuel ('000s of m<sup>2</sup>)</i>	29,052	thousands of m <sup>2</sup>

### Regional supply and demand balance

<i>all numbers in thousands of barrels per day (kb/d)</i>	<b>Supply</b>	<b>Demand</b>
<i>Gas plant NGL propane production</i>	201	
<i>Refinery LPG propane production</i>	18	
<i>Inbound inter-regional transfers*</i>	-	
<i>International imports</i>	7	
<i>Supply adjustments**</i>	(4)	
<i>Domestic demand (all sectors)</i>		107
<i>Outbound inter-regional transfers***</i>		1
<i>International exports</i>		115
<b>Total supply and demand</b>	<b>223</b>	<b>223</b>

\*propane transfers from other regions within Canada.

\*\*includes stock variation and other adjustments such as cyclical billing variations, metering differences and losses in transportation.

\*\*\*propane transfers to other regions within Canada.

## British Columbia

<i>Item</i>	<i>Value</i>	<i>Units</i>
<b>Propane in the energy mix</b>		
<i>Propane's share of total regional energy demand</i>	0.7	per cent
<i>Other fuels</i>	99.3	per cent
<i>Region's share of total Canadian propane demand</i>	4.6	per cent
<i>Other regions</i>	95.4	per cent
<b>Propane production</b>		
<i>Region's share of Canadian propane production</i>	8.8	per cent
<i>Other regions</i>	91.2	per cent
<i>Gas plant NGL's share of regional propane production</i>	94.5	per cent
<i>Refinery LPG's share of regional propane production</i>	5.5	per cent
<b>Propane demand by sector</b>		
<i>Mining, oil and gas</i>	14.1	per cent
<i>Manufacturing and construction</i>	7.7	per cent
<i>Petrochemicals and producer's own-use</i>	7.3	per cent
<i>Commercial/institutional</i>	21.2	per cent
<i>Residential</i>	11.0	per cent
<i>Transportation</i>	37.0	per cent
<i>Agriculture</i>	1.8	per cent
<b>Total</b>	<b>100.0</b>	<b>per cent</b>
<b>Sales by sector</b>		
<i>Wholesale-level sales</i>	\$ 15	millions of \$2016
<i>Retail-level sales</i>	\$ 135	millions of \$2016
<b>Domestic sales</b>	<b>\$ 150</b>	<b>millions of \$2016</b>
<i>International export sales</i>	\$ 99	millions of \$2016
<b>Total Sales</b>	<b>\$ 250</b>	<b>millions of \$2016</b>
<b>Economic footprint by sector</b>		
<b>GDP by sector</b>		
<i>Oil and gas</i>	\$ 100	millions of \$2016
<i>Manufacturing</i>	\$ 11	millions of \$2016
<i>Transportation</i>	\$ 57	millions of \$2016
<i>Wholesale/retail trade</i>	\$ 20	millions of \$2016
<i>Financial services</i>	\$ 24	millions of \$2016
<i>Other sectors</i>	\$ 64	millions of \$2016
<b>Total</b>	<b>\$ 275</b>	<b>millions of \$2016</b>
<b>Employment by sector</b>		
<i>Oil and gas</i>	78	number of jobs
<i>Manufacturing</i>	91	number of jobs
<i>Transportation</i>	224	number of jobs



<i>Wholesale/retail trade</i>	289	number of jobs
<i>Financial services</i>	190	number of jobs
<i>Other sectors</i>	781	number of jobs
<b>Total</b>	<b>1,653</b>	<b>number of jobs</b>
<b>Government revenues by type</b>		
<i>Indirect taxes</i>	\$ 27	millions of \$2016
<i>Personal income taxes</i>	\$ 21	millions of \$2016
<i>Corporate income taxes</i>	\$ 16	millions of \$2016
<i>Other taxes</i>	\$ 3	millions of \$2016
<i>Royalties</i>	\$ 6	millions of \$2016
<i>Carbon tax</i>	\$ 11	millions of \$2016
<b>Total</b>	<b>\$ 84</b>	<b>millions of \$2016</b>
<b>End-use stock/infrastructure</b>		
<i>Estimated number of propane vehicles</i>	24,531	number
<i>Propane fueling stations</i>	147	number
<i>Number of households using propane as main fuel</i>	26,597	number
<i>Built commercial/institutional floor space using propane as main fuel ('000s of m<sup>2</sup>)</i>	1,516	thousands of m <sup>2</sup>

### Regional supply and demand balance

<i>all numbers in thousands of barrels per day (kb/d)</i>	Supply	Demand
<i>Gas plant NGL propane production</i>	18	
<i>Refinery LPG propane production</i>	1	
<i>Inbound inter-regional transfers*</i>	1	
<i>International imports</i>	0	
<i>Supply adjustments**</i>	(0)	
<i>Domestic demand (all sectors)</i>		4
<i>Outbound inter-regional transfers***</i>		-
<i>International exports</i>		16
<b>Total supply and demand</b>	<b>20</b>	<b>20</b>

*\*propane transfers from other regions within Canada.*

*\*\*includes stock variation and other adjustments such as cyclical billing variations, metering differences and losses in transportation.*

*\*\*\*propane transfers to other regions within Canada.*

## Alberta

<i>Item</i>	<i>Value</i>	<i>Units</i>
<b>Propane in the energy mix</b>		
<i>Propane's share of total regional energy demand</i>	2.3	per cent
<i>Other fuels</i>	97.7	per cent
<i>Region's share of total Canadian propane demand</i>	32.9	per cent
<i>Other regions</i>	67.1	per cent
<b>Propane production</b>		
<i>Region's share of Canadian propane production</i>	50.9	per cent
<i>Other regions</i>	49.1	per cent
<i>Gas plant NGL's share of regional propane production</i>	97.2	per cent
<i>Refinery LPG's share of regional propane production</i>	2.8	per cent
<b>Propane demand by sector</b>		
<i>Mining, oil and gas</i>	62.6	per cent
<i>Manufacturing and construction</i>	3.0	per cent
<i>Petrochemicals and producer's own-use</i>	12.2	per cent
<i>Commercial/institutional</i>	15.8	per cent
<i>Residential</i>	3.0	per cent
<i>Transportation</i>	2.7	per cent
<i>Agriculture</i>	0.6	per cent
<b>Total</b>	<b>100.0</b>	<b>per cent</b>
<b>Sales by sector</b>		
<i>Wholesale-level sales</i>	\$ 319	millions of \$2016
<i>Retail-level sales</i>	\$ 332	millions of \$2016
<b>Domestic sales</b>	<b>\$ 652</b>	<b>millions of \$2016</b>
<i>International export sales</i>	\$ 453	millions of \$2016
<b>Total Sales</b>	<b>\$ 1,104</b>	<b>millions of \$2016</b>
<b>Economic footprint by sector</b>		
<b>GDP by sector</b>		
<i>Oil and gas</i>	\$ 1,433	millions of \$2016
<i>Manufacturing</i>	\$ 115	millions of \$2016
<i>Transportation</i>	\$ 120	millions of \$2016
<i>Wholesale/retail trade</i>	\$ 119	millions of \$2016
<i>Financial services</i>	\$ 128	millions of \$2016
<i>Other sectors</i>	\$ 393	millions of \$2016
<b>Total</b>	<b>\$ 2,308</b>	<b>millions of \$2016</b>
<b>Employment by sector</b>		
<i>Oil and gas</i>	3,086	number of jobs
<i>Manufacturing</i>	310	number of jobs
<i>Transportation</i>	582	number of jobs

<i>Wholesale/retail trade</i>	1,133	number of jobs
<i>Financial services</i>	833	number of jobs
<i>Other sectors</i>	3,020	number of jobs
<b>Total</b>	<b>8,963</b>	<b>number of jobs</b>
<b>Government revenues by type</b>		
<i>Indirect taxes</i>	\$ 122	millions of \$2016
<i>Personal income taxes</i>	\$ 183	millions of \$2016
<i>Corporate income taxes</i>	\$ 95	millions of \$2016
<i>Other taxes</i>	\$ 23	millions of \$2016
<i>Royalties</i>	\$ 77	millions of \$2016
<i>Carbon tax</i>	\$ 8	millions of \$2016
<b>Total</b>	<b>\$ 507</b>	<b>millions of \$2016</b>
<b>End-use stock/infrastructure</b>		
<i>Estimated number of propane vehicles</i>	12,898	number
<i>Propane fueling stations</i>	171	number
<i>Number of households using propane as main fuel</i>	15,707	number
<i>Built commercial/institutional floor space using propane as main fuel ('000s of m<sup>2</sup>)</i>	5,278	thousands of m <sup>2</sup>

**Regional supply and demand balance**

<i>all numbers in thousands of barrels per day (kb/d)</i>	<b>Supply</b>	<b>Demand</b>
<i>Gas plant NGL propane production</i>	109	
<i>Refinery LPG propane production</i>	3	
<i>Inbound inter-regional transfers*</i>	-	
<i>International imports</i>	0	
<i>Supply adjustments**</i>	(2)	
<i>Domestic demand (all sectors)</i>		33
<i>Outbound inter-regional transfers***</i>		21
<i>International exports</i>		56
<b>Total supply and demand</b>	<b>110</b>	<b>110</b>

\*propane transfers from other regions within Canada.

\*\*includes stock variation and other adjustments such as cyclical billing variations, metering differences and losses in transportation.

\*\*\*propane transfers to other regions within Canada.

## Saskatchewan

<i>Item</i>	<i>Value</i>	<i>Units</i>
<b>Propane in the energy mix</b>		
<i>Propane's share of total regional energy demand</i>	1.2	per cent
<i>Other fuels</i>	98.8	per cent
<i>Region's share of total Canadian propane demand</i>	4.7	per cent
<i>Other regions</i>	95.3	per cent
<b>Propane production</b>		
<i>Region's share of Canadian propane production</i>	5.2	per cent
<i>Other regions</i>	94.8	per cent
<i>Gas plant NGL's share of regional propane production</i>	63.9	per cent
<i>Refinery LPG's share of regional propane production</i>	36.1	per cent
<b>Propane demand by sector</b>		
<i>Mining, oil and gas</i>	73.5	per cent
<i>Manufacturing and construction</i>	1.1	per cent
<i>Petrochemicals and producer's own-use</i>	4.3	per cent
<i>Commercial/institutional</i>	12.8	per cent
<i>Residential</i>	5.1	per cent
<i>Transportation</i>	2.3	per cent
<i>Agriculture</i>	1.0	per cent
<b>Total</b>	<b>100.0</b>	<b>per cent</b>
<b>Sales by sector</b>		
<i>Wholesale-level sales</i>	\$ 40	millions of \$2016
<i>Retail-level sales</i>	\$ 53	millions of \$2016
<b>Domestic sales</b>	<b>\$ 94</b>	<b>millions of \$2016</b>
<i>International export sales</i>	\$ 91	millions of \$2016
<b>Total Sales</b>	<b>\$ 184</b>	<b>millions of \$2016</b>
<b>Economic footprint by sector</b>		
<b>GDP by sector</b>		
<i>Oil and gas</i>	\$ 121	millions of \$2016
<i>Manufacturing</i>	\$ 13	millions of \$2016
<i>Transportation</i>	\$ 44	millions of \$2016
<i>Wholesale/retail trade</i>	\$ 28	millions of \$2016
<i>Financial services</i>	\$ 7	millions of \$2016
<i>Other sectors</i>	\$ 25	millions of \$2016
<b>Total</b>	<b>\$ 238</b>	<b>millions of \$2016</b>
<b>Employment by sector</b>		
<i>Oil and gas</i>	56	number of jobs
<i>Manufacturing</i>	47	number of jobs
<i>Transportation</i>	160	number of jobs

<i>Wholesale/retail trade</i>	141	number of jobs
<i>Financial services</i>	59	number of jobs
<i>Other sectors</i>	242	number of jobs
<b>Total</b>	<b>706</b>	<b>number of jobs</b>
<b>Government revenues by type</b>		
<i>Indirect taxes</i>	\$ 18	millions of \$2016
<i>Personal income taxes</i>	\$ 10	millions of \$2016
<i>Corporate income taxes</i>	\$ 8	millions of \$2016
<i>Other taxes</i>	\$ 1	millions of \$2016
<i>Royalties</i>	\$ -	millions of \$2016
<i>Carbon tax</i>	\$ -	millions of \$2016
<b>Total</b>	<b>\$ 37</b>	<b>millions of \$2016</b>
<b>End-use stock/infrastructure</b>		
<i>Estimated number of propane vehicles</i>	743	number
<i>Propane fueling stations</i>	81	number
<i>Number of households using propane as main fuel</i>	1,444	number
<i>Built commercial/institutional floor space using propane as main fuel ('000s of m<sup>2</sup>)</i>	475	thousands of m <sup>2</sup>

### Regional supply and demand balance

<i>all numbers in thousands of barrels per day (kb/d)</i>	Supply	Demand
<i>Gas plant NGL propane production</i>	7	
<i>Refinery LPG propane production</i>	4	
<i>Inbound inter-regional transfers*</i>	2	
<i>International imports</i>	0	
<i>Supply adjustments**</i>	(0)	
<i>Domestic demand (all sectors)</i>		4
<i>Outbound inter-regional transfers***</i>		-
<i>International exports</i>		9
<b>Total supply and demand</b>	<b>13</b>	<b>13</b>

\*propane transfers from other regions within Canada.

\*\*includes stock variation and other adjustments such as cyclical billing variations, metering differences and losses in transportation.

\*\*\*propane transfers to other regions within Canada.

## Manitoba

<i>Item</i>	<i>Value</i>	<i>Units</i>
<b>Propane in the energy mix</b>		
<i>Propane's share of total regional energy demand</i>	0.9	per cent
<i>Other fuels</i>	99.1	per cent
<i>Region's share of total Canadian propane demand</i>	1.9	per cent
<i>Other regions</i>	98.1	per cent
<b>Propane production</b>		
<i>Region's share of Canadian propane production</i>	-	per cent
<i>Other regions</i>	100.0	per cent
<i>Gas plant NGL's share of regional propane production</i>	n/a	per cent
<i>Refinery LPG's share of regional propane production</i>	n/a	per cent
<b>Propane demand by sector</b>		
<i>Mining, oil and gas</i>	36.2	per cent
<i>Manufacturing and construction</i>	12.9	per cent
<i>Petrochemicals and producer's own-use</i>	0.1	per cent
<i>Commercial/institutional</i>	26.2	per cent
<i>Residential</i>	5.9	per cent
<i>Transportation</i>	4.5	per cent
<i>Agriculture</i>	14.2	per cent
<b>Total</b>	<b>100.0</b>	<b>per cent</b>
<b>Sales by sector</b>		
<i>Wholesale-level sales</i>	\$ 10	millions of \$2016
<i>Retail-level sales</i>	\$ 50	millions of \$2016
<b>Domestic sales</b>	<b>\$ 60</b>	<b>millions of \$2016</b>
<i>International export sales</i>	\$ 67	millions of \$2016
<b>Total Sales</b>	<b>\$ 127</b>	<b>millions of \$2016</b>
<b>Economic footprint by sector</b>		
<b>GDP by sector</b>		
<i>Oil and gas</i>	\$ 16	millions of \$2016
<i>Manufacturing</i>	\$ 3	millions of \$2016
<i>Transportation</i>	\$ 20	millions of \$2016
<i>Wholesale/retail trade</i>	\$ 8	millions of \$2016
<i>Financial services</i>	\$ 5	millions of \$2016
<i>Other sectors</i>	\$ 10	millions of \$2016
<b>Total</b>	<b>\$ 63</b>	<b>millions of \$2016</b>
<b>Employment by sector</b>		
<i>Oil and gas</i>	7	number of jobs
<i>Manufacturing</i>	32	number of jobs
<i>Transportation</i>	77	number of jobs

<i>Wholesale/retail trade</i>	67	number of jobs
<i>Financial services</i>	50	number of jobs
<i>Other sectors</i>	119	number of jobs
<b>Total</b>	<b>352</b>	<b>number of jobs</b>
<b>Government revenues by type</b>		
<i>Indirect taxes</i>	\$ 7	millions of \$2016
<i>Personal income taxes</i>	\$ 4	millions of \$2016
<i>Corporate income taxes</i>	\$ 3	millions of \$2016
<i>Other taxes</i>	\$ 1	millions of \$2016
<i>Royalties</i>	\$ -	millions of \$2016
<i>Carbon tax</i>	\$ -	millions of \$2016
<b>Total</b>	<b>\$ 14</b>	<b>millions of \$2016</b>
<b>End-use stock/infrastructure</b>		
<i>Estimated number of propane vehicles</i>	1,930	number
<i>Propane fueling stations</i>	60	number
<i>Number of households using propane as main fuel</i>	4,100	number
<i>Built commercial/institutional floor space using propane as main fuel ('000s of m<sup>2</sup>)</i>	399	thousands of m <sup>2</sup>

*n/a = not applicable*

### Regional supply and demand balance

<i>all numbers in thousands of barrels per day (kb/d)</i>	<b>Supply</b>	<b>Demand</b>
<i>Gas plant NGL propane production</i>	-	
<i>Refinery LPG propane production</i>	-	
<i>Inbound inter-regional transfers*</i>	9	
<i>International imports</i>	0	
<i>Supply adjustments**</i>	(0)	
<i>Domestic demand (all sectors)</i>		2
<i>Outbound inter-regional transfers***</i>		-
<i>International exports</i>		7
<b>Total supply and demand</b>	<b>9</b>	<b>9</b>

*\*propane transfers from other regions within Canada.*

*\*\*includes stock variation and other adjustments such as cyclical billing variations, metering differences and losses in transportation.*

*\*\*\*propane transfers to other regions within Canada.*

## Ontario

<i>Item</i>	<i>Value</i>	<i>Units</i>
<b>Propane in the energy mix</b>		
<i>Propane's share of total regional energy demand</i>	2.0	per cent
<i>Other fuels</i>	98.0	per cent
<i>Region's share of total Canadian propane demand</i>	37.1	per cent
<i>Other regions</i>	62.9	per cent
<b>Propane production</b>		
<i>Region's share of Canadian propane production</i>	30.8	per cent
<i>Other regions</i>	69.2	per cent
<i>Gas plant NGL's share of regional propane production</i>	96.5	per cent
<i>Refinery LPG's share of regional propane production</i>	3.5	per cent
<b>Propane demand by sector</b>		
<i>Mining, oil and gas</i>	9.0	per cent
<i>Manufacturing and construction</i>	4.9	per cent
<i>Petrochemicals and producer's own-use</i>	28.4	per cent
<i>Commercial/institutional</i>	23.9	per cent
<i>Residential</i>	16.7	per cent
<i>Transportation</i>	10.7	per cent
<i>Agriculture</i>	6.4	per cent
<b>Total</b>	<b>100.0</b>	<b>per cent</b>
<b>Sales by sector</b>		
<i>Wholesale-level sales</i>	\$ 409	millions of \$2016
<i>Retail-level sales</i>	\$ 956	millions of \$2016
<b>Domestic sales</b>	<b>\$ 1,365</b>	<b>millions of \$2016</b>
<i>International export sales</i>	\$ 218	millions of \$2016
<b>Total Sales</b>	<b>\$ 1,583</b>	<b>millions of \$2016</b>
<b>Economic footprint by sector</b>		
<b>GDP by sector</b>		
<i>Oil and gas</i>	\$ 3	millions of \$2016
<i>Manufacturing</i>	\$ 97	millions of \$2016
<i>Transportation</i>	\$ 56	millions of \$2016
<i>Wholesale/retail trade</i>	\$ 56	millions of \$2016
<i>Financial services</i>	\$ 76	millions of \$2016
<i>Other sectors</i>	\$ 124	millions of \$2016
<b>Total</b>	<b>\$ 412</b>	<b>millions of \$2016</b>
<b>Employment by sector</b>		
<i>Oil and gas</i>	18	number of jobs
<i>Manufacturing</i>	309	number of jobs
<i>Transportation</i>	456	number of jobs



<i>Wholesale/retail trade</i>	774	number of jobs
<i>Financial services</i>	610	number of jobs
<i>Other sectors</i>	1,481	number of jobs
<b>Total</b>	<b>3,649</b>	<b>number of jobs</b>
<b>Government revenues by type</b>		
<i>Indirect taxes</i>	\$ 95	millions of \$2016
<i>Personal income taxes</i>	\$ 44	millions of \$2016
<i>Corporate income taxes</i>	\$ 28	millions of \$2016
<i>Other taxes</i>	\$ 6	millions of \$2016
<i>Royalties</i>	\$ -	millions of \$2016
<i>Carbon tax</i>	\$ -	millions of \$2016
<b>Total</b>	<b>\$ 174</b>	<b>millions of \$2016</b>
<b>End-use stock/infrastructure</b>		
<i>Estimated number of propane vehicles</i>	51,343	number
<i>Propane fueling stations</i>	89	number
<i>Number of households using propane as main fuel</i>	60,135	number
<i>Built commercial/institutional floor space using propane as main fuel ('000s of m<sup>2</sup>)</i>	11,595	thousands of m <sup>2</sup>

**Regional supply and demand balance**

<i>all numbers in thousands of barrels per day (kb/d)</i>	<b>Supply</b>	<b>Demand</b>
<i>Gas plant NGL propane production</i>	65	
<i>Refinery LPG propane production</i>	2	
<i>Inbound inter-regional transfers*</i>	-	
<i>International imports</i>	5	
<i>Supply adjustments**</i>	(1)	
<i>Domestic demand (all sectors)</i>		46
<i>Outbound inter-regional transfers***</i>		4
<i>International exports</i>		22
<b>Total supply and demand</b>	<b>72</b>	<b>72</b>

\*propane transfers from other regions within Canada.

\*\*includes stock variation and other adjustments such as cyclical billing variations, metering differences and losses in transportation.

\*\*\*propane transfers to other regions within Canada.

## Quebec

<i>Item</i>	<i>Value</i>	<i>Units</i>
<b>Propane in the energy mix</b>		
<i>Propane's share of total regional energy demand</i>	1.1	per cent
<i>Other fuels</i>	98.9	per cent
<i>Region's share of total Canadian propane demand</i>	13.2	per cent
<i>Other regions</i>	86.8	per cent
<b>Propane production</b>		
<i>Region's share of Canadian propane production</i>	1.5	per cent
<i>Other regions</i>	98.5	per cent
<i>Gas plant NGL's share of regional propane production</i>	-	per cent
<i>Refinery LPG's share of regional propane production</i>	100.0	per cent
<b>Propane demand by sector</b>		
<i>Mining, oil and gas</i>	0.2	per cent
<i>Manufacturing and construction</i>	11.0	per cent
<i>Petrochemicals and producer's own-use</i>	0.5	per cent
<i>Commercial/institutional</i>	45.0	per cent
<i>Residential</i>	9.5	per cent
<i>Transportation</i>	4.6	per cent
<i>Agriculture</i>	29.2	per cent
<b>Total</b>	<b>100.0</b>	<b>per cent</b>
<b>Sales by sector</b>		
<i>Wholesale-level sales</i>	\$ 29	millions of \$2016
<i>Retail-level sales</i>	\$ 490	millions of \$2016
<b>Domestic sales</b>	<b>\$ 519</b>	<b>millions of \$2016</b>
<i>International export sales</i>	\$ 45	millions of \$2016
<b>Total Sales</b>	<b>\$ 564</b>	<b>millions of \$2016</b>
<b>Economic footprint by sector</b>		
<b>GDP by sector</b>		
<i>Oil and gas</i>	\$ 1	millions of \$2016
<i>Manufacturing</i>	\$ 23	millions of \$2016
<i>Transportation</i>	\$ 32	millions of \$2016
<i>Wholesale/retail trade</i>	\$ 18	millions of \$2016
<i>Financial services</i>	\$ 19	millions of \$2016
<i>Other sectors</i>	\$ 41	millions of \$2016
<b>Total</b>	<b>\$ 134</b>	<b>millions of \$2016</b>
<b>Employment by sector</b>		
<i>Oil and gas</i>	3	number of jobs
<i>Manufacturing</i>	140	number of jobs
<i>Transportation</i>	215	number of jobs

<i>Wholesale/retail trade</i>	251	number of jobs
<i>Financial services</i>	190	number of jobs
<i>Other sectors</i>	488	number of jobs
<b>Total</b>	<b>1,286</b>	<b>number of jobs</b>
<b>Government revenues by type</b>		
<i>Indirect taxes</i>	\$ 29	millions of \$2016
<i>Personal income taxes</i>	\$ 17	millions of \$2016
<i>Corporate income taxes</i>	\$ 8	millions of \$2016
<i>Other taxes</i>	\$ 3	millions of \$2016
<i>Royalties</i>	\$ -	millions of \$2016
<i>Carbon tax</i>	\$ 12	millions of \$2016
<b>Total</b>	<b>\$ 68</b>	<b>millions of \$2016</b>
<b>End-use stock/infrastructure</b>		
<i>Estimated number of propane vehicles</i>	3,673	number
<i>Propane fueling stations</i>	176	number
<i>Number of households using propane as main fuel</i>	4,342	number
<i>Built commercial/institutional floor space using propane as main fuel ('000s of m<sup>2</sup>)</i>	6,523	thousands of m <sup>2</sup>

### Regional supply and demand balance

<i>all numbers in thousands of barrels per day (kb/d)</i>	Supply	Demand
<i>Gas plant NGL propane production</i>	-	
<i>Refinery LPG propane production</i>	3	
<i>Inbound inter-regional transfers*</i>	12	
<i>International imports</i>	1	
<i>Supply adjustments**</i>	(0)	
<i>Domestic demand (all sectors)</i>		12
<i>Outbound inter-regional transfers***</i>		-
<i>International exports</i>		5
<b>Total supply and demand</b>	<b>16</b>	<b>16</b>

\*propane transfers from other regions within Canada.

\*\*includes stock variation and other adjustments such as cyclical billing variations, metering differences and losses in transportation.

\*\*\*propane transfers to other regions within Canada.

## Atlantic Canada

<i>Item</i>	<i>Value</i>	<i>Units</i>
<b>Propane in the energy mix</b>		
<i>Propane's share of total regional energy demand</i>	1.5	per cent
<i>Other fuels</i>	98.5	per cent
<i>Region's share of total Canadian propane demand</i>	5.1	per cent
<i>Other regions</i>	94.9	per cent
<b>Propane production</b>		
<i>Region's share of Canadian propane production</i>	2.8	per cent
<i>Other regions</i>	97.2	per cent
<i>Gas plant NGL's share of regional propane production</i>	28.4	per cent
<i>Refinery LPG's share of regional propane production</i>	71.6	per cent
<b>Propane demand by sector</b>		
<i>Mining, oil and gas</i>	3.4	per cent
<i>Manufacturing and construction</i>	22.2	per cent
<i>Petrochemicals and producer's own-use</i>	2.1	per cent
<i>Commercial/institutional</i>	51.0	per cent
<i>Residential</i>	19.0	per cent
<i>Transportation</i>	1.1	per cent
<i>Agriculture</i>	1.2	per cent
<b>Total</b>	<b>100.0</b>	<b>per cent</b>
<b>Sales by sector</b>		
<i>Wholesale-level sales</i>	\$ 27	millions of \$2016
<i>Retail-level sales</i>	\$ 160	millions of \$2016
<b>Domestic sales</b>	<b>\$ 187</b>	<b>millions of \$2016</b>
<i>International export sales</i>	\$ 9	millions of \$2016
<b>Total Sales</b>	<b>\$ 196</b>	<b>millions of \$2016</b>
<b>Economic footprint by sector</b>		
<b>GDP by sector</b>		
<i>Oil and gas</i>	\$ 23	millions of \$2016
<i>Manufacturing</i>	\$ 4	millions of \$2016
<i>Transportation</i>	\$ 6	millions of \$2016
<i>Wholesale/retail trade</i>	\$ 7	millions of \$2016
<i>Financial services</i>	\$ 6	millions of \$2016
<i>Other sectors</i>	\$ 18	millions of \$2016
<b>Total</b>	<b>\$ 64</b>	<b>millions of \$2016</b>
<b>Employment by sector</b>		
<i>Oil and gas</i>	50	number of jobs
<i>Manufacturing</i>	41	number of jobs
<i>Transportation</i>	76	number of jobs

<i>Wholesale/retail trade</i>	103	number of jobs
<i>Financial services</i>	55	number of jobs
<i>Other sectors</i>	245	number of jobs
<b>Total</b>	<b>569</b>	<b>number of jobs</b>
<b>Government revenues by type</b>		
<i>Indirect taxes</i>	\$ 10	millions of \$2016
<i>Personal income taxes</i>	\$ 6	millions of \$2016
<i>Corporate income taxes</i>	\$ 3	millions of \$2016
<i>Other taxes</i>	\$ 1	millions of \$2016
<i>Royalties</i>	\$ 0	millions of \$2016
<i>Carbon tax</i>	\$ -	millions of \$2016
<b>Total</b>	<b>\$ 20</b>	<b>millions of \$2016</b>
<b>End-use stock/infrastructure</b>		
<i>Estimated number of propane vehicles</i>	432	number
<i>Propane fueling stations</i>	10	number
<i>Number of households using propane as main fuel</i>	17,475	number
<i>Built commercial/institutional floor space using propane as main fuel ('000s of m<sup>2</sup>)</i>	2,910	thousands of m <sup>2</sup>

### Regional supply and demand balance

<i>all numbers in thousands of barrels per day (kb/d)</i>	Supply	Demand
<i>Gas plant NGL propane production</i>	2	
<i>Refinery LPG propane production</i>	4	
<i>Inbound inter-regional transfers*</i>	-	
<i>International imports</i>	0	
<i>Supply adjustments**</i>	(0)	
<i>Domestic demand (all sectors)</i>		5
<i>Outbound inter-regional transfers***</i>		0
<i>International exports</i>		1
<b>Total supply and demand</b>	<b>6</b>	<b>6</b>

\*propane transfers from other regions within Canada.

\*\*includes stock variation and other adjustments such as cyclical billing variations, metering differences and losses in transportation.

\*\*\*propane transfers to other regions within Canada.

## Northern Territories

<i>Item</i>	<i>Value</i>	<i>Units</i>
<b>Propane in the energy mix</b>		
<i>Propane's share of total regional energy demand</i>	2.3	per cent
<i>Other fuels</i>	97.7	per cent
<i>Region's share of total Canadian propane demand</i>	0.6	per cent
<i>Other regions</i>	99.4	per cent
<b>Propane production</b>		
<i>Region's share of Canadian propane production</i>	-	per cent
<i>Other regions</i>	100.0	per cent
<i>Gas plant NGL's share of regional propane production</i>	n/a	per cent
<i>Refinery LPG's share of regional propane production</i>	n/a	per cent
<b>Propane demand by sector</b>		
<i>Mining, oil and gas</i>	31.8	per cent
<i>Manufacturing and construction</i>	1.3	per cent
<i>Petrochemicals and producer's own-use</i>	-	per cent
<i>Commercial/institutional</i>	40.4	per cent
<i>Residential</i>	22.6	per cent
<i>Transportation</i>	3.8	per cent
<i>Agriculture</i>	-	per cent
<b>Total</b>	<b>100.0</b>	<b>per cent</b>
<b>Sales by sector</b>		
<i>Wholesale-level sales</i>	\$ 2	millions of \$2016
<i>Retail-level sales</i>	\$ 19	millions of \$2016
<b>Domestic sales</b>	<b>\$ 21</b>	<b>millions of \$2016</b>
<i>International export sales</i>	\$ 0	millions of \$2016
<b>Total Sales</b>	<b>\$ 21</b>	<b>millions of \$2016</b>
<b>Economic footprint by sector</b>		
<b>GDP by sector</b>		
<i>Oil and gas</i>	\$ 2	millions of \$2016
<i>Manufacturing</i>	\$ 0	millions of \$2016
<i>Transportation</i>	\$ 1	millions of \$2016
<i>Wholesale/retail trade</i>	\$ 0	millions of \$2016
<i>Financial services</i>	\$ 0	millions of \$2016
<i>Other sectors</i>	\$ 1	millions of \$2016
<b>Total</b>	<b>\$ 5</b>	<b>millions of \$2016</b>
<b>Employment by sector</b>		
<i>Oil and gas</i>	1	number of jobs
<i>Manufacturing</i>	0	number of jobs
<i>Transportation</i>	6	number of jobs

<i>Wholesale/retail trade</i>	3	number of jobs
<i>Financial services</i>	2	number of jobs
<i>Other sectors</i>	6	number of jobs
<b>Total</b>	<b>18</b>	<b>number of jobs</b>
<b>Government revenues by type</b>		
<i>Indirect taxes</i>	\$ 1	millions of \$2016
<i>Personal income taxes</i>	\$ 0	millions of \$2016
<i>Corporate income taxes</i>	\$ 0	millions of \$2016
<i>Other taxes</i>	\$ 0	millions of \$2016
<i>Royalties</i>	\$ -	millions of \$2016
<i>Carbon tax</i>	\$ -	millions of \$2016
<b>Total</b>	<b>\$ 1</b>	<b>millions of \$2016</b>
<b>End-use stock/infrastructure</b>		
<i>Estimated number of propane vehicles</i>	329	number
<i>Propane fueling stations</i>	5	number
<i>Number of households using propane as main fuel</i>	4,369	number
<i>Built commercial/institutional floor space using propane as main fuel ('000s of m<sup>2</sup>)</i>	357	thousands of m <sup>2</sup>

*n/a = not applicable*

### Regional supply and demand balance

<i>all numbers in thousands of barrels per day (kb/d)</i>	Supply	Demand
<i>Gas plant NGL propane production</i>	-	
<i>Refinery LPG propane production</i>	-	
<i>Inbound inter-regional transfers*</i>	1	
<i>International imports</i>	-	
<i>Supply adjustments**</i>	-	
<i>Domestic demand (all sectors)</i>		1
<i>Outbound inter-regional transfers***</i>		-
<i>International exports</i>		0
<b>Total supply and demand</b>	<b>1</b>	<b>1</b>

*\*propane transfers from other regions within Canada.*

*\*\*includes stock variation and other adjustments such as cyclical billing variations, metering differences and losses in transportation.*

*\*\*\*propane transfers to other regions within Canada.*

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