- In November 2018, amendments to the Agricultural Land Commission Act (ALCA) were introduced to limit new house sizes to less than 500m2, [~5400 sq. ft], except through application to the ALC in cases where it would support farming.
- The Regulations were approved and brought into force on February 22, 2019.
- Exceptions to the house size restriction can be made on a case by case basis if the applicant can prove that the larger home is required to support farming (i.e. multi-generational homes of farming families).
- The Minister of Agriculture has publicly indicated that there is an understanding that there will need to be some exceptions, recognizing that there are farming families that need this larger space. However, it is not clear what "proof" is required to be granted an exemption.
- Applications for exemption are submitted to local government, who then has the discretion to advance
 the exemption request on to the ALC. (may need to check with ALC on this/ what criteria they are
 looking for when it comes to them).
- Local governments had previously "complained" to government that they were put in the position of
 making decisions to issue building permits for large homes on ALR; very few municipalities have house
 size restrictions on ALR. Under the new exemption process, local governments still have to make this
 initial call and feel often ill-equipped to do so, particularly if there is no certainty/criteria about what
 qualifies as "proving the size of the home is required to support farming".
- Note: It would be interesting to see if there have been any exemption applications since the regulations
 came into force (just a few weeks ago) and how they have been managed (again maybe discussion with
 ALC).

The community/demographic that typically builds and inhabits the large homes on ALR doesn't like the approach because:

- While some of them are farming, some of them may not be (we don't have data collected on this to my
 knowledge data that shows how many large homes on ALR land within a given municipality are producing
 and how much they are producing, may be interesting to collect using ALUI tool that the ministry has)
- The process to obtain an exemption is seen as onerous, time consuming and does not provide the builder/citizen with certainty
- The application will not make it to ALC for consideration without going through local government first, and some local governments will apply their own values regarding house size before it ever gets to ALC

Given the new constraints, a couple of solutions that may show responsiveness to the concerns, which are primarily concerns of South Asian, multi-generational families, could include:

- Providing more certainty around the criteria for house size exemptions (in Regulation) (i.e. a low threshold
 of farming receipts to get you an exemption, and perhaps a tiered approach where the more land in
 production gets you permission to build a larger home, but this may be seen as arbitrary or counter-intuitive
 to the goal by some)
- Ability to apply directly to the ALC (although ALC will say they don't have the capacity to address the
 volume; if done this way, may require Reg change for amended process, but then the criteria for exemption
 could be introduced by ALC policy); note that the community would want to also see the regional panel
 structure remain and is expressing concern about this currently.
- Restricting the house size limitations to heavily populated areas where availability and affordability of vacant farm land is a relevant issue (reg change)

Other considerations/questions:

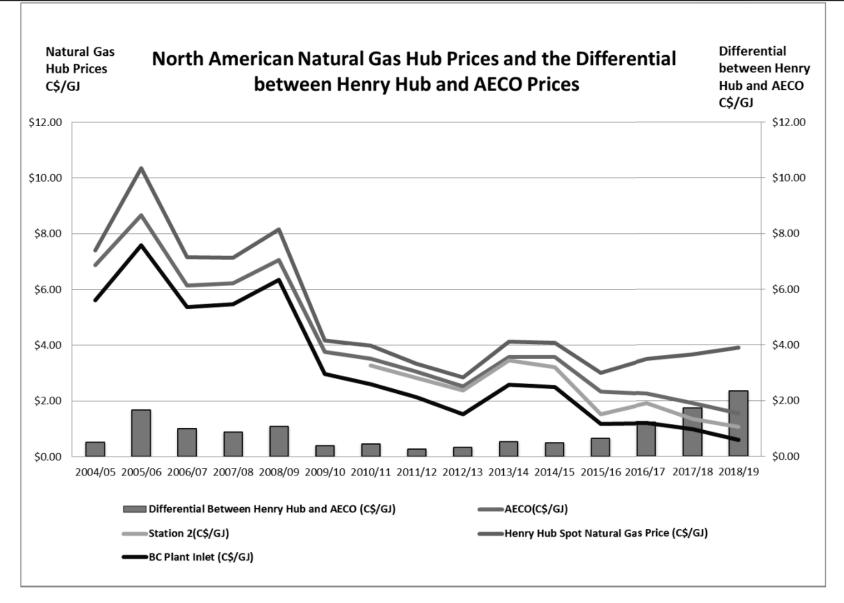


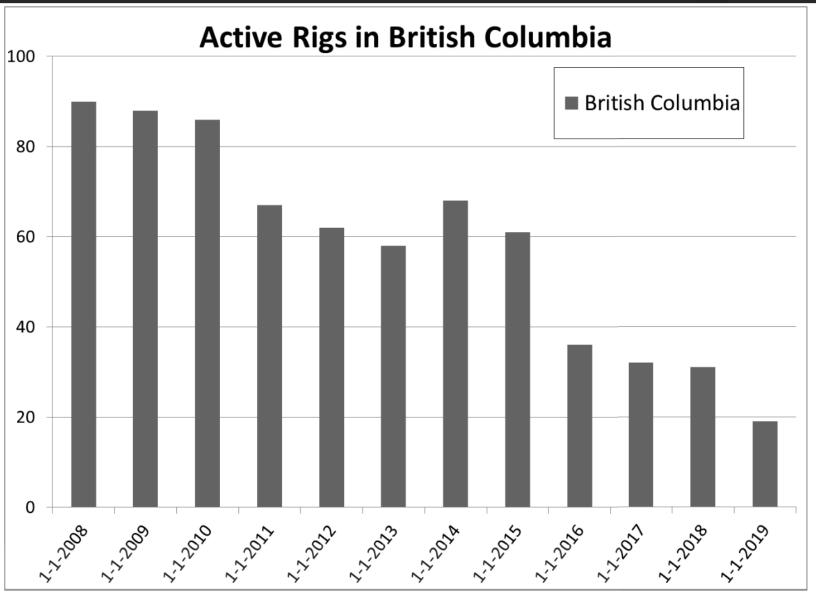
s.13

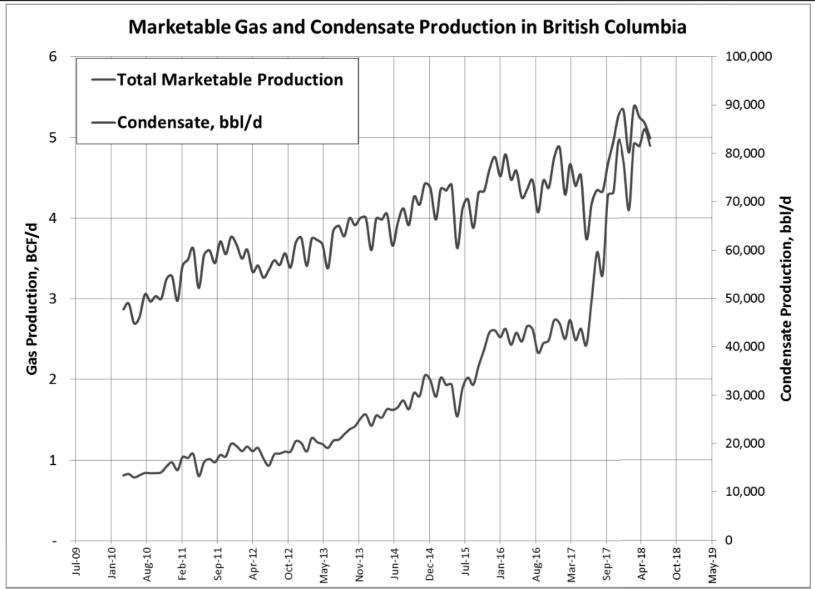
Royalties Group, Economics and Market Development Branch, Oil and Gas Division

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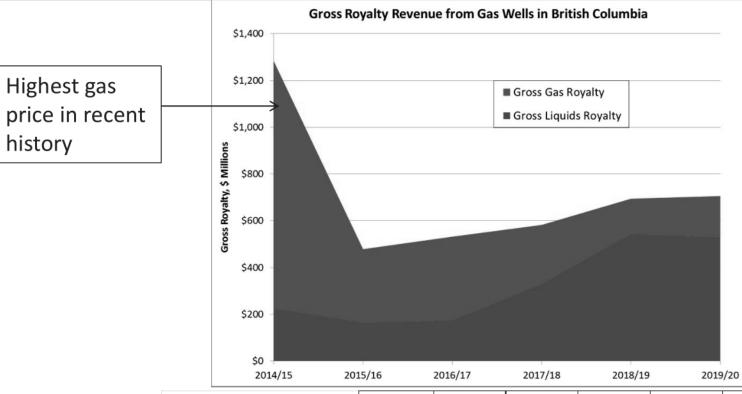
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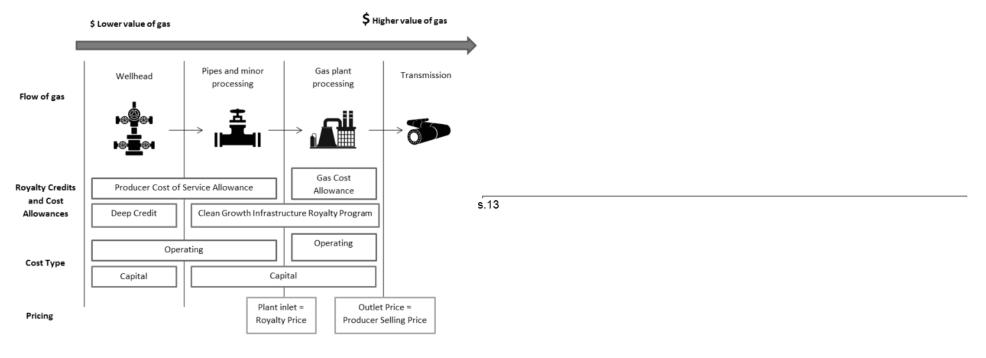
| 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19 | 2019/20 s.13

NET

Total Net Royalty, \$	541	151	159	145	164	275
Gas Price, C\$/GJ	2.43	1.09	0.98	0.91	0.41	0.72
Condensate Price, C\$/bbl	69.50	45.39	48.00	61.16	78.16	78.20

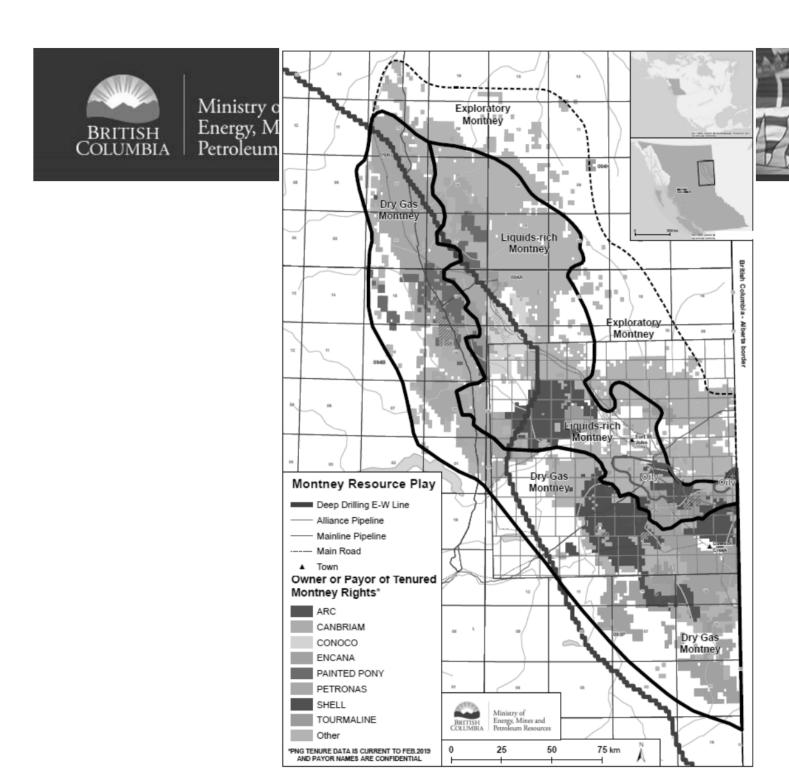


How and where royalty programs apply



Page 010 of 120 to/à Page 016 of 120 $\,$

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APPENDIX s.t.

2018 BC Natural Gas Producers Production Ranking

	Top 20 Natural Gas Producers, by Pro	duction Volum	e, 2018		
Rank	Company Name	Volume (MMcf/d)	Percent of BC Production	2017 Rank	2017/18 Change
1	Cutbank Ridge Partnership	1055	20.8%	2	1
2	ARC Resources Ltd.	487	9.6%	3	1
3	Shell Canada Energy	443	8.8%	4	1
4	Progress Energy Canada Ltd.	403	8.0%	1	-3
5	Tourmaline Oil Corp.	357	7.1%	6	1
6	Canadian Natural Resources Limited	341	6.7%	5	-1
7	Painted Pony Energy Ltd.	308	6.1%	8	1
8	Murphy Oil Company Ltd.	228	4.5%	7	-1
9	Canbriam Energy Inc.	178	3.5%	10	1
10	Encana Corporation	165	3.3%	9	-1
11	Black Swan Energy Ltd.	121	2.4%	12	1
12	Crew Energy Inc.	102	2.0%	11	-1
13	Storm Resources Ltd	100	2.0%	13	NC
14	Saguaro Resources Ltd.	76	1.5%	15	1
15	PetroChina Groundbirch Gas Partnership	54	1.1%	N/A	N/A
16	Sinopec Huadian Montney Limited Partnership	50	1.0%	N/A	N/A
17	Shanghai Energy Corporation	50	1.0%	14	-3
18	Cenovus Energy Inc.	36	0.7%	27	9
19	Sasol Canada Exploration and Production LP	35	0.7%	N/A	N/A
20	IndOil Montney Ltd.	34	0.7%	N/A	N/A



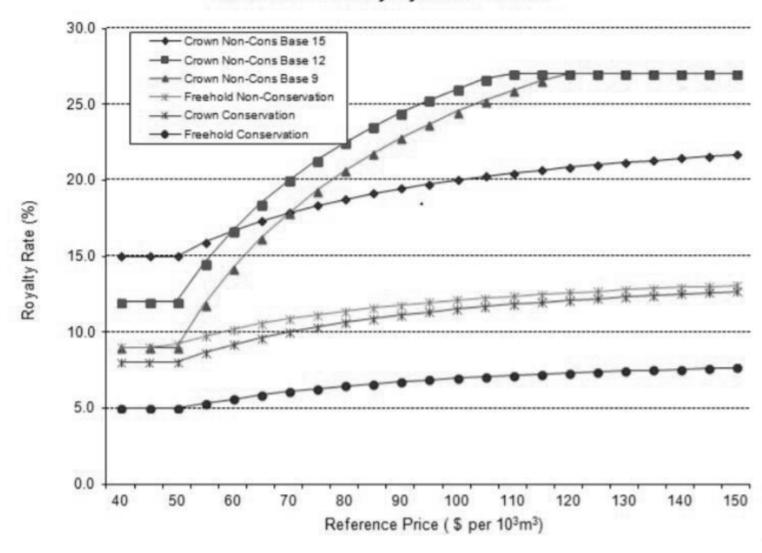
2017 Royalty information by Operator

Page 033 of 120 to/à Page 036 of 120 $\,$

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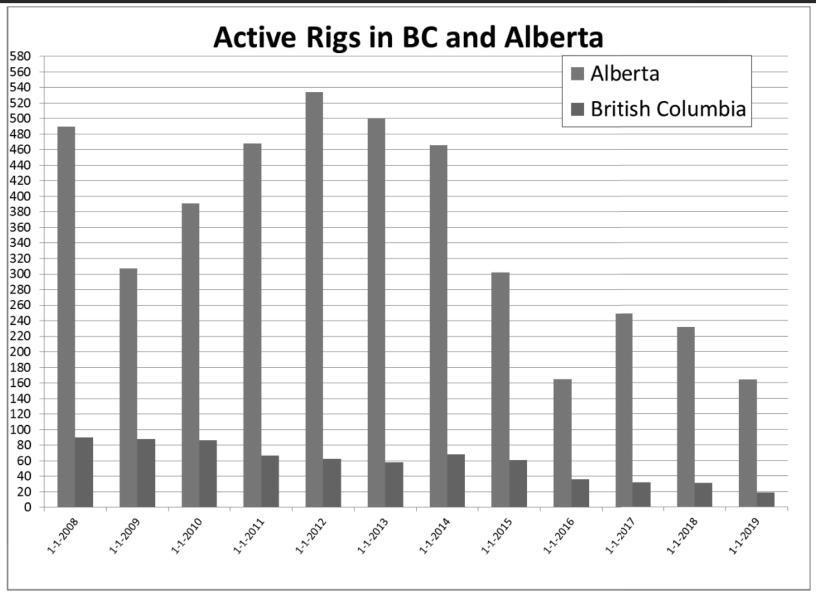
s.13; s.17

Marketable Gas Royalty/Tax Base Rates



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BC's Economic Base

Ministry of Jobs, Trade & Technology April 9, 2019 Page 042 of 120 to/à Page 061 of 120 $\,$

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s.12; s.13

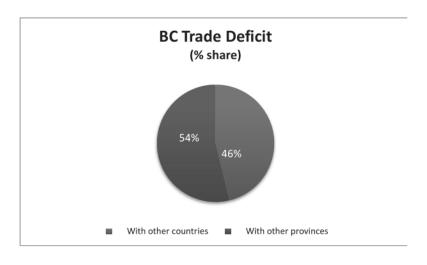
British Columbia

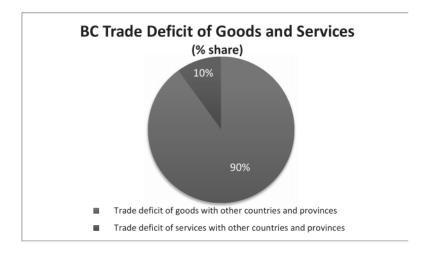
Last updated: May 31, 2019

Chart/Table	Data Source	Word Document	Date
1. Trade Deficit	BC Stats; Statistics Canada	Page 5	24-May
2. Per Capita GDP & Wage (\$Current)	BC Stats; Statistics Canada	Page 4	24-May
3. Per Capita GDP (\$2012)	BC Stats; Statistics Canada		
4. GFCF BC Share (\$current)	BC Stats; Statistics Canada		
5. GFCF (\$current)	BC Stats; Statistics Canada		
6. GFCF (\$2012)	BC Stats; Statistics Canada	Page 3	24-May
7. Capital Investment by Industry	BC Stats; Statistics Canada		
8. Exports by Industry	BC Stats; Trade Data Online	Page 1	24-May
9. Exports and Imports by Customs Port	BC Stats; Statistics Canada	Page 2	24-May
10. Trade by Customs Ports	BC Stats; Statistics Canada		
11. Commercial Property Transactions with FI	BC Stats; BC Property Transfer Tax	Page 1	31-May
12. Commercial Property Transactions, All	BC Stats; BC Property Transfer Tax	Page 2	31-May

Exports, British Columbia	
(\$ million)	
,	2017
Exports of Goods and Services	111,052
Exports to other countries	67,087
Exports of goods to other countries	48,436
Exports of services to other countries	18,651
Exports to other provinces	43,965
Exports of goods to other provinces	14,988
Exports of services to other provinces	28,977
Exports of goods to other countries and provinces	63,424
Exports of services to other countries and provinces	47,628
Imports Pritish Columbia	
Imports, British Columbia (\$ million)	
(4	2017
Imports of Goods and Services	135,936
Imports from other countries	78,587
Imports of goods from other countries	63,956
Imports of services from other countries	14,631
Imports from other provinces	57,349
Imports of goods from other provinces	21,861
Imports of services from other provinces	35,488
Imports of goods from other countries and provinces	85,817
Imports of services from other countries and provinces	50,119

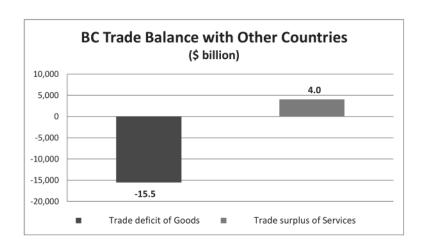
Trade Balance, British Columbia	
(\$ million)	2017
Trade balance of Goods and Services	-24,884
Trade balance with other countries	-11,500
Trade balance of goods with other countries	-15,520
Trade balance of services with other countries	4,020
Trade balance with other provinces	-13,384
Trade balance of goods with other provinces	-6,873
Trade balance of services with other provinces	-6,511
Trade balance of goods with other countries and provinces	-22,393
Trade balance of services with other countries and provinces	-2,491

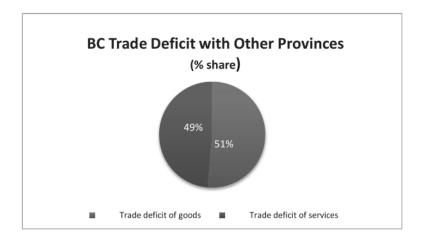




Trade Deficit, British Columbia	
(% share)	2017
Trade Deficit of Goods and Services	100%
With other countries	46%
With other provinces	54%
BC Trade Balance with Other Countries	
(Śmillion)	2017
Trade Balance of Goods and Services with Other Countries	-11,500
Trade deficit of Goods	-15,520
Trade surplus of Services	4,020
BC Trade Deficit with Other Provinces	
	2017
(\$ million) Trade Deficit of Goods and Services with Other Provinces	-13,384
Trade deficit of goods with other provinces	- 13,364 -6,873
Trade deficit of services with other provinces	-6,511
Trade deficit of services with other provinces	-0,311
BC Trade Deficit with Other Provinces, British Columbia	
(% share)	2017
Trade Deficit of Goods and Services with Other Provinces	100%
Trade deficit of goods	51%
Trade deficit of services	49%
Trade Deficit, British Columbia	
(% share)	2017
Trade Deficit of Goods and Services	100%
Trade deficit of goods with other countries and provinces	90%
Trade deficit of services with other countries and provinces	10%

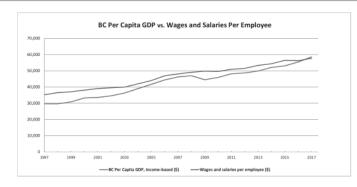
Source: Statistics Canada, Gross domestic product, expenditure-based, provincial and territorial, annual, Table 36-10-0222-01.

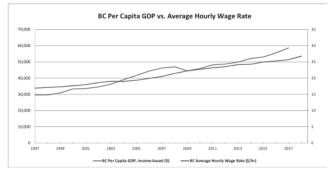


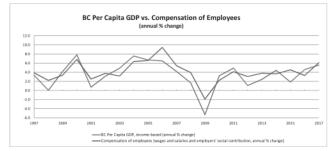


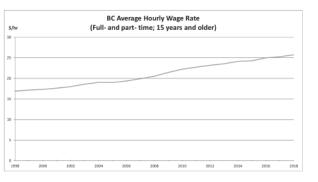
Real Per Capita Gross Domestic Product, Income-Based, British Columbia	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
BC Per Capita GDP, income-based (\$)	29,665	29,673	30,903	33,325	33,568	34,619	36,313	39,061	41,677	44,378	46,219	46,996	44,494	45,929	48,183	48,702	49,884	52,092	53,054	55,485	58,583
BC Per Capita GDP, income-based (annual % change)	3.4	0.0	4.1	7.8	0.7	3.1	4.9	7.6	6.7	6.5	4.1	1.7	-5.3	3.2	4.9	1.1	2.4	4.4	1.8	4.6	5.6
Source: Statistics Canada, Gross domestic product, income-based, provincial and territorial, annual, 1	Table 36-10-0221-01.																				
Compensation of Employees, British Columbia (annual, % change)	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Compensation of employees (wages and salaries and employers' social contribution)																					
(\$million)	60,781	62,120	64,216	68,591	70,309	72,951	75,268	80,071	85,336	93,392	98,459	102,318	100,375	102,621	106,845	110,128	114,300	118,452	123,805	127,866	135,668
Compensation of employees (wages and salaries and employers' social contribution,																					
annual % change)	3.9	2.2	3.4	6.8	2.5	3.8	3.2	6.4	6.6	9.4	5.4	3.9	-1.9	2.2	4.1	3.1	3.8	3.6	4.5	3.3	6.1
Estimated BC Employees (X1,000)	1,501	1,479	1,510	1,577	1,567	1,589	1,621	1,646	1,680	1,729	1,786	1,817	1,751	1,797	1,819	1,851	1,848	1,881	1,894	1,959	2,029
Wages and Salaries (\$million)	52,922	54,058	56,016	60,027	61,303	62,842	64,827	69,111	73,957	81,173	85,857	89,197	87,177	88,999	92,644	95,394	98,647	102,246	106,919	110,189	117,237
Wages and salaries per employee (\$)	35,247	36,563	37,090	38,073	39,110	39,549	39,987	41,988	44,013	46,952	48,080	49,102	49,781	49,525	50,920	51,531	53,376	54,350	56,448	56,251	57,776
Source: Statistics Canada, Gross domestic product, income-based, provincial and territorial, annual, 1	Table 36-10-0221-01 & Em	ployment by c	lass of worker,	Table: 14-10-	0288-01.																

Average Hourly Wage Rate (full-land part-time), British Columbia BC Average Hourly Wage Rate (5/hr) Annual % change Source Statistics Canada, Employee wages by occupation, annual, Table 14-10-0307-01





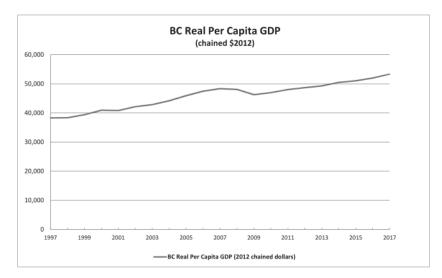


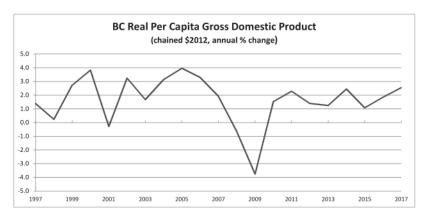


Data_Economic Base for May 31 2. Per Capita GDP & Wage (\$Cur)

Real Per Capita Gross Domestic Product, British Columbia	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
BC Real Per Capita GDP (2012 chained dollars)	38,295	38,382	39,427	40,937	40,818	42,140	42,846	44,192	45,944	47,453	48,363	48,060	46,253	46,960	48,030	48,702	49,307	50,515	51,062	52,006	53,325
Annual % change	1.4	0.2	2.7	3.8	-0.3	3.2	1.7	3.1	4.0	3.3	1.9	-0.6	-3.8	1.5	2.3	1.4	1.2	2.4	1.1	1.8	2.5

Source: Statistics Canada, Gross domestic product, expenditure-based, provincial and territorial, annual, Table 36-10-0222-01.



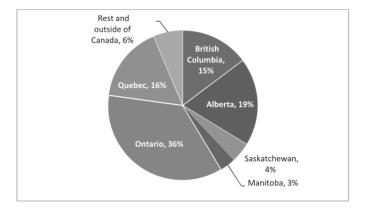


Gross Fixed Capital Formation, by Region	
(millions of dollars)	
	2017
British Columbia	71,867
Alberta	92,347
Saskatchewan	20,828
Manitoba	16,342
Ontario	174,213
Quebec	80,066
New Brunswick	6,486
Nova Scotia	8,852
Prince Edward Island	1,219
Newfoundland and Labrador	10,978
Yukon	878
Northwest Territories	1,215
Nunavut	1,405
Outside Canada	27
Canada	486,723

Gross Fixed Capital Formation, by Region	
(% share)	2017
British Columbia	14.8%
Alberta	19.0%
Saskatchewan	4.3%
Manitoba	3.4%
Ontario	35.8%
Quebec	16.5%
New Brunswick	1.3%
Nova Scotia	1.8%
Prince Edward Island	0.3%
Newfoundland and Labrador	2.3%
Yukon	0.2%
Northwest Territories	0.2%
Nunavut	0.3%
Outside Canada	0.0%
Canada	100.0%

Gross Fixed Capital Formation, by Region	
(% share)	2017
British Columbia	15%
Alberta	19%
Saskatchewan	4%
Manitoba	3%
Ontario	36%
Quebec	16%
Rest and outside of Canada	6%

Source: Statistics Canada, Gross domestic product, expenditure-based, provincial and territorial, annual, Table 36-10-0222-01.



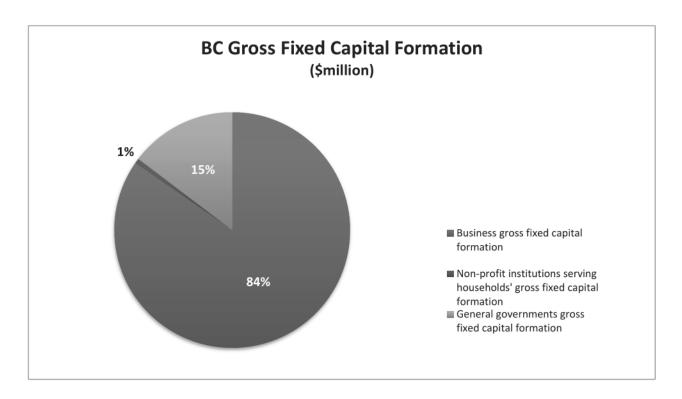
Gross Fixed Capital Formation, British Columbia																					
(millions of dollars)																					
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
British Columbia	24,819	23,173	23,281	24,152	26,197	26,819	29,096	34,336	39,429	45,658	49,568	52,692	46,303	49,423	50,911	54,486	53,814	59,031	59,392	63,998	71,867
Business gross fixed capital formation	21,175	19,725	19,220	19,965	21,969	22,637	24,717	29,250	33,036	38,687	42,055	44,055	37,881	40,474	43,497	46,165	45,950	50,384	50,595	55,149	60,812
Residential structures	8,630	7,243	6,682	6,731	7,490	9,016	10,265	12,897	14,749	17,225	19,413	18,934	16,420	17,170	18,186	19,282	19,714	21,331	24,372	29,512	30,836
Non-residential structures, machinery and equipment	11,129	10,719	10,997	11,314	11,991	11,447	11,809	13,259	14,970	17,848	18,294	20,406	17,505	18,892	20,757	22,749	21,985	24,865	22,525	22,308	26,526
Non-residential structures	5,331	4,173	4,700	4,668	5,415	5,148	5,825	6,896	7,620	9,653	9,669	11,744	10,572	11,548	13,326	14,937	14,820	16,809	14,884	13,504	17,859
Machinery and equipment	5,798	6,546	6,297	6,646	6,576	6,299	5,984	6,363	7,350	8,195	8,625	8,662	6,933	7,344	7,431	7,812	7,165	8,056	7,641	8,804	8,667
Intellectual property products	1,416	1,763	1,541	1,920	2,488	2,174	2,643	3,094	3,317	3,614	4,348	4,715	3,956	4,412	4,554	4,134	4,251	4,188	3,698	3,329	3,450
Non-profit institutions serving households' gross fixed capital formation	214	129	141	157	180	233	201	125	334	350	229	513	313	236	244	280	370	414	418	478	507
General governments gross fixed capital formation	3,430	3,319	3,920	4,030	4,048	3,949	4,178	4,961	6,059	6,621	7,284	8,124	8,109	8,713	7,170	8,041	7,494	8,233	8,379	8,371	10,548

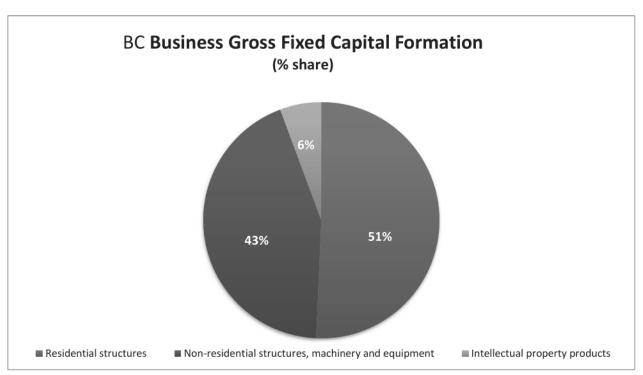
Gross Fixed Capital Formation, British Columbia																					
(% share)	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
British Columbia	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Business gross fixed capital formation	85.3%	85.1%	82.6%	82.7%	83.9%	84.4%	84.9%	85.2%	83.8%	84.7%	84.8%	83.6%	81.8%	81.9%	85.4%	84.7%	85.4%	85.4%	85.2%	86.2%	84.6%
Non-profit institutions serving households' gross fixed capital formation	0.9%	0.6%	0.6%	0.7%	0.7%	0.9%	0.7%	0.4%	0.8%	0.8%	0.5%	1.0%	0.7%	0.5%	0.5%	0.5%	0.7%	0.7%	0.7%	0.7%	0.7%
General governments gross fixed capital formation	13.8%	14.3%	16.8%	16.7%	15.5%	14.7%	14.4%	14.4%	15.4%	14.5%	14.7%	15.4%	17.5%	17.6%	14.1%	14.8%	13.9%	13.9%	14.1%	13.1%	14.7%

Business Gross Fixed Capital Formation, British Columbia																					
(% share)	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Business gross fixed capital formation	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Residential structures	40.8%	36.7%	34.8%	33.7%	34.1%	39.8%	41.5%	44.1%	44.6%	44.5%	46.2%	43.0%	43.3%	42.4%	41.8%	41.8%	42.9%	42.3%	48.2%	53.5%	50.7%
Non-residential structures, machinery and equipment	52.6%	54.3%	57.2%	56.7%	54.6%	50.6%	47.8%	45.3%	45.3%	46.1%	43.5%	46.3%	46.2%	46.7%	47.7%	49.3%	47.8%	49.4%	44.5%	40.5%	43.6%
Intellectual property products	6.7%	8.9%	8.0%	9.6%	11.3%	9.6%	10.7%	10.6%	10.0%	9.3%	10.3%	10.7%	10.4%	10.9%	10.5%	9.0%	9.3%	8.3%	7.3%	6.0%	5.7%

Source: BC Stats, Statistics Canada, Gross domestic product, expenditure-based, provincial and territorial, annual, Table 36-10-0222-01.

Data_Economic Base for May 31 5. GFCF (\$current)





Gross Fixed Capital Formation, British Columbia																					
(millions of 2012 chained dollars)																					
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
British Columbia	32,310	30,104	30,541	31,611	34,014	34,333	36,613	41,740	46,489	51,255	52,756	54,232	47,954	50,956	51,459	54,486	53,147	56,695	54,920	57,098	62,370
Business gross fixed capital formation	27,333	25,452	25,097	26,065	28,386	28,868	30,948	35,317	38,637	43,107	44,436	45,183	39,098	41,533	43,876	46,165	45,442	48,478	46,833	49,037	52,527
Residential structures	13,071	11,314	10,499	10,563	11,629	13,554	14,601	17,112	18,352	19,671	20,099	19,096	17,460	17,494	17,987	19,282	19,396	20,558	22,528	25,815	25,710
Non-residential structures, machinery and equipment	12,230	11,521	12,054	12,463	13,121	12,552	13,100	14,586	16,368	19,193	19,440	20,991	17,469	19,425	21,237	22,749	21,802	23,888	20,938	20,197	23,798
Non-residential structures	8,876	6,781	7,527	7,289	8,404	7,875	8,599	9,487	9,974	11,813	11,191	12,832	11,376	12,170	13,734	14,937	14,618	16,070	14,103	12,512	16,227
Machinery and equipment	4,066	4,496	4,517	4,897	4,811	4,681	4,693	5,274	6,342	7,355	8,044	8,067	6,129	7,237	7,500	7,812	7,182	7,814	6,832	7,615	7,567
Intellectual property products	1,946	2,408	2,077	2,513	3,164	2,704	3,238	3,697	3,941	4,181	4,863	5,102	4,188	4,611	4,657	4,134	4,243	4,030	3,367	2,988	3,088
Non-profit institutions serving households' gross fixed capital formation	221	126	146	170	186	246	218	137	356	366	234	504	317	240	247	280	369	403	395	444	457
General governments gross fixed capital formation	4,729	4,532	5,332	5,403	5,458	5,212	5,443	6,299	7,517	7,778	8,093	8,551	8,571	9,222	7,334	8,041	7,339	7,817	7,694	7,618	9,416

Gross Fixed Capital Formation, British Columbia (chained (2012) dollars, annual % change)	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
British Columbia	8.3	-6.8	1.5	3.5	7.6	0.9	6.6	14.0	11.4	10.3	2.9	2.8	-11.6	6.3	1.0	5.9	-2.5	6.7	-3.1	4.0	9.2
Business gross fixed capital formation	12.5	-6.9	-1.4	3.9	8.9	1.7	7.2	14.1	9.4	11.6	3.1	1.7	-13.5	6.2	5.6	5.2	-1.6	6.7	-3.4	4.7	7.1
Non-profit institutions serving households' gross fixed capital formation	27.7	-43.0	15.9	16.4	9.4	32.3	-11.4	-37.2	159.9	2.8	-36.1	115.4	-37.1	-24.3	2.9	13.4	31.8	9.2	-2.0	12.4	2.9
General governments gross fixed capital formation	-13.0	-4.2	17.7	1.3	1.0	-4.5	4.4	15.7	19.3	3.5	4.0	5.7	0.2	7.6	-20.5	9.6	-8.7	6.5	-1.6	-1.0	23.6

Business Gross fixed Capital Formation, British Columbia																					
(chained (2012) dollars, annual % change)	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Business Gross Fixed Capital Formation	12.5	-6.9	-1.4	3.9	8.9	1.7	7.2	14.1	9.4	11.6	3.1	1.7	-13.5	6.2	5.6	5.2	-1.6	6.7	-3.4	4.7	7.1
Residential structures	4.9	-13.4	-7.2	0.6	10.1	16.6	7.7	17.2	7.2	7.2	2.2	-5.0	-8.6	0.2	2.8	7.2	0.6	6.0	9.6	14.6	-0.4
Non-residential structures, machinery and equipment	20.3	-5.8	4.6	3.4	5.3	-4.3	4.4	11.3	12.2	17.3	1.3	8.0	-16.8	11.2	9.3	7.1	-4.2	9.6	-12.3	-3.5	17.8
Intellectual property products	5.7	23.7	-13.7	21.0	25.9	-14.5	19.7	14.2	6.6	6.1	16.3	4.9	-17.9	10.1	1.0	-11.2	2.6	-5.0	-16.5	-11.3	3.3

Source: Statistics Canada, Gross domestic product, expenditure-based, provincial and territorial, annual, Table 36-10-0222-01

Data_Economic Base for May 31 6. GFCF (\$2012)

Capital Investment by Industry, British Columbia

						Preliminary		2017	2018
	Actual	Actual	Actual	Actual	Actual	Actual	Intentions	to	to
	2013	2014	2015	2016	2017	2018	2019	2018	2019
				(\$ millions)				(per c	,
Agriculture, forestry, fishing and hunting	408.6	497.0	454.3	511.3	696.8	717.3	852.1	2.9	18.8
Mining, quarrying, and oil and gas extraction	6,609.6	7,057.5	5,147.4	4,573.3	6,250.8	4,471.6	4,939.2	(28.5)	10.5
Manufacturing	2,261.8	3,169.8	2,629.0	X	1,370.5	1,605.9	1,520.0	17.2	(5.3)
Construction	789.7	785.0	717.0	832.9	978.2	899.5	918.0	(8.0)	2.1
Transportation and warehousing	2,643.0	3,053.1	3,928.9	4,215.0	4,822.1	5,597.2	7,590.1	16.1	35.6
Utilities	3,578.1	3,602.1	3,369.0	3,698.0	3,535.0	3,987.8	4,824.2	12.8	21.0
Wholesale trade	348.7	459.1	422.1	Х	421.4	431.2	400.6	2.3	(7.1)
Retail trade	860.5	810.2	F	809.7	713.9	719.2	686.8	0.7	(4.5)
Finance and insurance	507.2	295.6	309.1	341.9	250.6	279.0	383.8	11.3	37.6
Real estate, rental and leasing	926.3	1,280.5	1,171.4	1,638.5	1,629.1	1,891.0	2,023.4	16.1	7.0
Information and cultural industries	1,096.5	1,142.9	1,205.1	1,579.9	1,631.0	1,733.5	1,781.0	6.3	2.7
Professional, scientific and technical services	251.3	Х	316.1	318.8	307.5	293.9	323.2	(4.4)	10.0
Management of companies and enterprises	Х	Х	29.1	Х	F	72.4	68.2	-	(5.8)
Admin, waste and remediation services	257.1	318.2	F	194.2	200.8	165.0	135.2	(17.8)	(18.1)
Arts, entertainment and recreation	277.3	251.3	268.0	275.6	305.8	323.8	376.3	5.9	16.2
Accommodation and food services	392.5	546.5	688.6	665.9	581.3	641.3	680.0	10.3	6.0
Educational services	975.0	1,118.4	976.2	980.1	1,087.3	1,345.3	1,024.9	23.7	(23.8)
Health care and social assistance	755.2	1,151.4	1,154.1	1,198.1	1,050.7	1,086.0	1,137.0	3.4	4.7
Public administration	2,563.4	2,574.2	2,446.9	2,172.2	2,965.5	3,663.7	4,191.4	23.5	14.4
Other services	X	153.2	F	X	171.2	163.1	120.5	(4.7)	(26.1)
Total	25,658.6	28,637.8	26,344.3	26,357.8	28,999.9	30,087.7	33,975.9	3.8	12.9
Public	7,982.3	8,584.7	8,011.9	8,423.1	9,173.3	10,533.5	12,440.5	14.8	18.1
Private	17,676.2	20,053.1	_18,332.4	17,934.7	19,826.6	19,554.3	21,535.5	(1.4)	10.1
Total	25,658.6	28,637.8	26,344.3	26,357.8	28,999.9	30,087.7	33,975.9	3.8	12.9
Machinery and equipment	7,700.7	8,288.1	8,488.6	10,180.1	10,183.1	10,949.0	11,389.6	7.5	4.0
Construction	17,957.9	20,349.7	17,855.7	16,177.7	18,816.8	19,138.8	22,586.4	1.7	18.0
Total	25,658.6	28,637.8	26,344.3	26,357.8	28,999.9	30,087.7	33,975.9	3.8	12.9

Source: Statistics Canada (Tables: 34-10-0035-01 and 34-10-0038-01 – accessed May 2019).

Note: Totals may not add due to rounding or due to some data not being disclosed for confidentiality reasons.

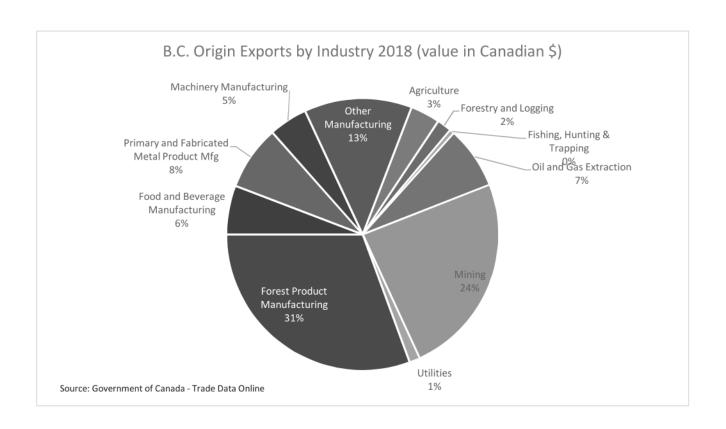
x Suppressed to meet the confidentiality requirements of the *Statistics Act*.

F Too Unreliable to be published.

Origin British Columbia Destination All countries (total) Period Specific year(s): 2018 Value in canadian dollars Units NAICS 111 - Crop Production 1031842331 NAICS 112 - Animal Production 578196568 NAICS 113 - Forestry and Logging 778575739 NAICS 114 - Fishing, Hunting and Trapping 252574308 NAICS 1151 - Support Activities for Crop Production 34096 NAICS 1152 - Support Activities for Animal Production 2015742 NAICS 211 - Oil and Gas Extraction 3359280950 NAICS 212 - Mining (except Oil and Gas) 10929913938 22 - Utilities 575207199 NAICS 311 - Food Manufacturing 2578531867 NAICS 312 - Beverage and Tobacco Product Manufacturing 58209132 NAICS 313 - Textile Mills 24980467 NAICS 314 - Textile Product Mills 13647076 NAICS 315 - Clothing Manufacturing 97895729 NAICS 316 - Leather and Allied Product Manufacturing 10212318 NAICS 321 - Wood Product Manufacturing 8680408369 NAICS 322 - Paper Manufacturing 5216128912 NAICS 323 - Printing and Related Support Activities 54516653 NAICS 324 - Petroleum and Coal Products Manufacturing 228130037 NAICS 325 - Chemical Manufacturing 1042483865 NAICS 326 - Plastics and Rubber Products Manufacturing 503374036 NAICS 327 - Non-Metallic Mineral Product Manufacturing 304712418 NAICS 331 - Primary Metal Manufacturing 2937039311 NAICS 332 - Fabricated Metal Product Manufacturing 544181908 NAICS 333 - Machinery Manufacturing 2081490748 NAICS 334 - Computer and Electronic Product Manufacturing 1085577268 NAICS 335 - Electrical Equipment, Appliance and Component Manufacturing 718820148 NAICS 336 - Transportation Equipment Manufacturing 1116135285 NAICS 337 - Furniture and Related Product Manufacturing 207276481 NAICS 339 - Miscellaneous Manufacturing 392613548 Source: Trade Data Online (accessed: May 13, 2019) Agriculture 1612088737 Forestry and Logging 778575739 Fishing, Hunting & Trapping 252574308 Oil and Gas Extraction 3359280950 Mining 10929913938 Utilities 575207199 Forest Product Manufacturing 13896537281 Food and Beverage Manufacturing 2636740999 Primary and Fabricated Metal Product Mfg 3481221219 Machinery Manufacturing 2081490748 Other Manufacturing 5800375329

Canadian domestic exports, British Columbia origir

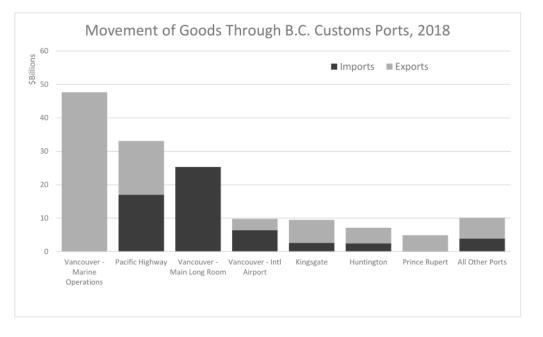
Title



Movement of Goods Through B.C. Customs Ports to International Destinations (\$Cdn)

	•	2018	2018	2018
PORT#	CUSTOMS PORT	IMPORTS-Total	EXPORTS-Total	Total
	BC TOTAL	57,993,247,523	89,411,227,862	147,404,475,385
806	Vancouver - Marine Operations	4,815	47,665,137,572	47,665,142,387
813	Pacific Highway	17,046,874,496	16,032,975,388	33,079,849,884
809	Vancouver - Main Long Room	25,320,330,517	150,685	25,320,481,202
821	Vancouver - Intl Airport	6,433,405,557	3,322,372,191	9,755,777,748
818	Kingsgate	2,647,668,586	6,836,272,102	9,483,940,688
817	Huntington	2,482,605,912	4,645,510,738	7,128,116,650
808	Prince Rupert	132,330,856	4,734,550,239	4,866,881,095
	All Other Ports	3,930,026,784	6,174,258,947	10,104,285,731
837	Sidney	37,301,221	2,387,057,948	2,424,359,169
804	Nanaimo	114,941,241	1,329,047,422	1,443,988,663
827	Kitimat	573,148,443	769,372,751	1,342,521,194
819	Osoyoos	614,365,965	616,672,269	1,231,038,234
831	Kelowna	923,545,674	3,081,679	926,627,353
800	British Columbia and Yukon	415,646,710	369,559,496	785,206,206
841	Aldergrove	590,037,713	77,893,100	667,930,813
893	Fraser	88,298,451	132,734,708	221,033,159
828	Nelway	165,261,469	7,426,476	172,687,945
824	Roosville	48,108,556	108,955,057	157,063,613
832	Paterson	74,073,586	78,156,622	152,230,208
816	Cascade	13,641,924	104,637,670	118,279,594
814	Kamloops	96,152,017	2,574,658	98,726,675
811	Victoria	36,184,121	42,699,755	78,883,876
842	Pacific Customs Brokers	66,437,831	0	66,437,831
838	Campbell River	467,656	43,397,095	43,864,751
891	Pleasant Camp	30,804,973	9,238,487	40,043,460
815	Boundary Bay	13,764,669	16,713,310	30,477,979
826	Powell River	49,105	29,835,987	29,885,092
825	Port Alberni	0	17,379,256	17,379,256
822	Rykerts	8,103,060	6,474,406	14,577,466
833	Waneta	12,240,657	1,164,969	13,405,626
835	Midway	1,111,093	9,407,828	10,518,921
834	Carson	2,924,796	5,051,659	7,976,455
	Prince George	194,692	3,159,028	3,353,720
	Courtenay	392,000	2,310,000	2,702,000
	Cranbrook	2,685,060	0	2,685,060
803	Vancouver - Mail Centre	90,596	87,369	177,965

0.999999899 0.484674974 0.000005951 0.99999405



807 Penticton	0	141,042	141,042
810 Vancouver - United Terminals	53,505	20,996	74,501
836 Chopaka	0	7,904	7,904
812 Trail	0	0	0
823 Vernon	0	0	0
829 Flathead	0	0	0
839 Dawson Creek	0	0	0
840 Douglas	0	0	0

Note: These values include exports of goods originating in other provinces and imports of goods that are destined for other provinces that clear customs through B.C. ports Source: Statistics Canada

Movement of Goods Through B.C. Customs Ports to/from International Destinations (\$Cdn)

iviovem	ent of Goods Through B.C. Customs P				2045	1 2016	2016	2017	2017	2010	2010
PORT#	CUSTOMS PORT	2014	2014		2015	l	2016 EXPORTS-Total		2017	2018	2018
	00 British Columbia and Yukon	IMPORTS-Total 342,100,872	431,296,944	IMPORTS-Total 229,124,807	EXPORTS-Total 298,226,743	IMPORTS-Total 236,104,208	189,543,682	IMPORTS-Total 224,237,248	EXPORTS-Total 209,444,933	IMPORTS-Total 415,646,710	369,559,496
	01 Cranbrook	8,193,551	143,582	10,424,754	23,221	3,050,961	52,782	2,686,232	30,532	2,685,060	0 309,559,490
	03 Vancouver - Mail Centre	0,193,551	145,562	10,424,734	23,221	3,030,961	,	2,686,232	1,743,750	90,596	87,369
	04 Nanaimo	41,258,119	1,065,271,697	· ·	O		998,925,017	91,425,184	, ,	,	
				37,067,725	962,168,544				1,069,327,252	114,941,241	
	06 Vancouver - Marine Operations	2,036	38,825,119,421		40,375,426,925	l	39,801,071,986	5,894,536		4,815	47,665,137,572
	07 Penticton	120,675	375,679	50,110	453	15,598	63,054	236,209	246,778	_	,
	08 Prince Rupert	293,378,440	3,894,309,439	214,999,243	3,525,820,372	196,360,922	3,583,172,376	121,750,852	4,195,835,088	132,330,856	4,734,550,239
	09 Vancouver - Main Long Room	20,969,218,079	173,187,936		264,021,438		173,376,601		56,501,855	25,320,330,517	150,685
	10 Vancouver - United Terminals	24,323,954	0	33,218,854	221,270		754,933	8,514,485	0	53,505	20,996
	11 Victoria	40,983,150	75,411,895	40,678,255	133,131,422	35,745,023	100,297,105	193,568,784	52,262,055	36,184,121	42,699,755
	12 Trail	0	0	0	0	0	0	0	0	0	_
	13 Pacific Highway	14,326,756,464			13,634,264,700					17,046,874,496	
	14 Kamloops	50,974,058	4,681,664	39,818,477	430,866	56,453,742	256,700	68,631,823	1,111,943	96,152,017	2,574,658
	15 Boundary Bay	14,361,163	4,979,476	16,023,141	6,815,612	16,063,123	18,233,419	13,776,237	14,811,902	13,764,669	16,713,310
8	16 Cascade	15,622,218	123,465,866	16,077,346	113,822,573	14,491,568	156,902,897	12,867,908	164,699,470	13,641,924	104,637,670
	17 Huntington	2,147,425,178	3,917,818,069	2,152,781,534	4,221,666,666	1,976,578,876	4,744,617,445	2,310,749,539	4,788,467,403	2,482,605,912	4,645,510,738
8	18 Kingsgate	2,546,076,457	6,954,380,715	2,346,421,801	6,231,160,087	2,195,639,555	5,586,988,367	2,362,303,600	6,425,902,429	2,647,668,586	6,836,272,102
8	19 Osoyoos	566,084,349	428,258,882	606,475,620	601,548,361	510,639,346	590,717,660	551,721,073	554,729,834	614,365,965	616,672,269
8	20 Prince George	3,731,309	14,452,092	907,330	4,427,893	4,681,703	28,414	703,983	2,377,690	194,692	3,159,028
8	21 Vancouver - Intl Airport	4,421,901,100	2,426,161,130	5,011,548,777	2,720,565,510	5,284,633,799	2,709,059,448	5,858,472,962	2,796,781,955	6,433,405,557	3,322,372,191
8	22 Rykerts	8,249,041	7,740,118	6,150,521	7,510,752	11,520,571	9,950,909	6,941,844	5,767,536	8,103,060	6,474,406
8	23 Vernon	0	0	0	0	0	0	0	0	0	0
8	24 Roosville	56,989,330	90,651,872	49,080,847	82,974,302	44,243,971	101,974,350	47,148,782	93,221,046	48,108,556	108,955,057
8	25 Port Alberni	0	61,463,572	0	71,564,049	0	70,920,306	0	52,939,745	0	17,379,256
8	26 Powell River	1,060,642	6,089,436	0	3,872,787	0	15,015,857	0	4,019,482	49,105	29,835,987
8	27 Kitimat	173,640,318	262,290,679	112,736,599	133,106,204	316,617,149	493,122,915	420,257,735	613,858,753	573,148,443	769,372,751
8	28 Nelway	130,609,958	6,952,903	190,450,971	11,480,812	275,549,903	16,493,661	183,610,977	7,334,803	165,261,469	7,426,476
8	29 Flathead	0	0	0	0	0	0	0	0	0	0
8	30 Courtenay	7,286	0	0	0	0	0	0	0	392,000	2,310,000
8	31 Kelowna	17,430,299	2,481,644	22,689,184	2,523,250	5,004,056	3,152,168	127,913,327	3,481,943	923,545,674	3,081,679
8	32 Paterson	46,664,542	64,838,968	52,892,767	70,038,582	55,869,928	65,478,835	63,838,505	85,775,799	74,073,586	78,156,622
8	33 Waneta	6,783,944	175,047	13,523,660	546,514	12,546,932	333,784	10,567,296	246,689	12,240,657	1,164,969
8	34 Carson	2,258,016	2,905,038	2,966,258	2,772,199	2,120,144	2,473,210	4,419,513	9,332,652	2,924,796	5,051,659
8	35 Midway	168,774	8,431,066	606,385	7,822,165	321,483	6,413,860	886,378	2,813,951	1,111,093	9,407,828
	36 Chopaka	0	0	0	0	0	58,977	0	0	0	, ,
	37 Sidney	47,291,818	3,441,268,381	71,019,231	2,620,878,247	33,935,629	2,010,717,753	49,864,125	2,175,651,737	37,301,221	,
	38 Campbell River	19,572,544	186,230,087	1,240,971	88,860,097	678,608	98,384,830	175,905	79,672,772	467,656	43,397,095
	39 Dawson Creek	1,099	0	0	0	0	0	0	0	0	0
	40 Douglas	0	9,370,938	34,976	4,335,584	0	5,306,517	164,387	204,703	0	0
	41 Aldergrove	267,209,016	25,692,044	205,164,708	60,792,736	428,843,705	63,042,367	549,291,105	53,507,459	590,037,713	77,893,100
	42 Pacific Customs Brokers	45,519,402	23,032,044	47,990,309	00,752,730	60,411,592	03,042,307	66,040,737	7,815	66,437,831	77,855,100
	91 Pleasant Camp	37,584,018	1,030,570	26,687,644	2,806,649		1,797,246	22,368,663	5,016,624	30,804,973	9,238,487
	93 Fraser	33,208,534	161,371,580	33,361,871	158,616,956	56,727,061	337,463,011	71,144,271	159,069,764	88,298,451	132,734,708
٥		, ,			, ,						, ,
	BC TOTAL	40,/00,/59,/53	/4,1/6,251,42/	40,019,///,508	70,424,244,541	48,872,498,402	/0,191,220,191	52,005,984,975	03,121,048,/16	57,335,247,523	03,411,227,862

Note: These values include exports of goods originating in other provinces and imports of goods that are destined for other provinces that clear customs through B.C. ports Source: Statistics Canada

Percent of Foreign Involvement in British Columbia Residential and Commerical Property Transactions

	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17
BC - RESIDENTIAL (% OF COUNT)	7.49	6 9.09	% 1.49	% 2.1%	3.09	6 3.2%	3.7%	3.7%	3.4%	2.8%	2.5%	2.89	6 2.6%	2.8%	2.89	6 3.7%
BC - COMMERCIAL (% OF COUNT)	15.99	6 7.49	% 3.39	% 15.1%	8.39	6 4.5%	6.6%	1.5%	4.1%	4.6%	2.2%	1.69	6 3.7%	2.5%	3.59	6 3.6%

Source: British Columbia Property Transfer Tax

Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19
2.6%	3.2%	6 3.29	% 3.3%	4.0%	2.6%	2.4%	2.6%	1.9%	1.5%	2.15%	2.1%	2.1%	2.7%	2.2%	6 2.4%	2.5%	2.2%	2.5%
3.2%	2.6%	6 2.29	% 4.7%	8.4%	8.4%	14.2%	4.4%	5.2%	3.9%	5.1%	3.9%	3.7%	4.4%	5.1%	6 2.1%	2.6%	4.8%	5.0%

Commercial Property Transactions, Total Count, Total Value and Median Fair Market Value (FMV), BC, June 2016 to April 2019

		200 - Store(S)			211 - Shopping	213 - Shopping		216 -	233 - Individual		273 - Storage &	
		And Service	201 - Vacant		Centre	Centre	Com	nercial	Strata Lot	262 - Parking		285 - Seniors
Date	Variable	Commercial	IC&I	205 - Big Box	(Community)	(Regional)			(Hotel/Motel)	Garage	(Closed)	Licensed Care
Jun-16	Total Transactions	39				1		215	158	1	29	
Jun-16	Total Value (FMV)	\$ 71,008,844				\$ 264,779,459	\$ 98,99	4,159	\$ 29,674,036	\$ 3,120,881	\$ 65,472,400	
Jun-16	Median FMV	\$ 524,000				\$ 264,779,459	\$ 35	7,000	\$ 135,100	\$ 3,120,881	\$ 1,140,000	
Jul-16	Total Transactions	17						143	75	1	26	1
Jul-16	Total Value (FMV)	\$ 29,835,950					\$ 89,23	1,095	\$ 17,441,473	\$ 4,630,000	\$ 65,410,606	\$ 14,994,744
Jul-16	Median FMV	\$ 435,000					\$ 44	4,827	\$ 150,000	\$ 4,630,000	\$ 1,706,660	\$ 14,994,744
Aug-16	Total Transactions	30						155	47		46	1
Aug-16	Total Value (FMV)	\$ 118,040,068					\$ 79,64	6,333	\$ 9,564,688		\$ 152,112,042	\$ 23,562,800
Aug-16	Median FMV	\$ 565,000					\$ 35	0,500	\$ 107,000		\$ 1,622,500	\$ 23,562,800
Sep-16	Total Transactions	19	3					183	93		48	
Sep-16	Total Value (FMV)	\$ 41,280,800	\$ 7,179,245				\$ 117,73	1,333	\$ 14,974,428		\$ 218,931,289	
Sep-16	Median FMV	\$ 480,000	\$ 2,254,245				\$ 45	6,500			\$ 1,826,250	
Oct-16	Total Transactions	17	5		1			154	73		35	
Oct-16	Total Value (FMV)	\$ 18,367,592			\$ 34,150,000			-	\$ 11,463,770		\$ 109,604,079	
Oct-16	Median FMV	\$ 641,000			\$ 34,150,000		\$ 43	9,900			\$ 1,662,579	
Nov-16	Total Transactions	26	. 1					162	92		33	1
Nov-16	Total Value (FMV)	\$ 57,207,519						7,892			\$ 98,604,629	
Nov-16	Median FMV	\$ 767,500	\$ 75,000				\$ 38	9,000			\$ 1,630,000	\$ 1,545,000
Dec-16	Total Transactions	30						148	81		. 36	
Dec-16	Total Value (FMV)	\$ 44,826,212							\$ 19,845,531		\$ 90,302,402	
Dec-16	Median FMV	\$ 627,750					\$ 39	7,500	,		\$ 2,237,130	
Jan-17	Total Transactions	. 25	3					133	43		34	
Jan-17	Total Value (FMV)	\$ 30,177,600					-	6,781			\$ 132,252,645	
Jan-17	Median FMV	\$ 675,000					\$ 39	0,000			\$ 1,972,500	
Feb-17	Total Transactions	22	4	1		2		143	50			
Feb-17	Total Value (FMV)	\$ 31,785,100		\$ 4,416,287		\$ 480,661,261				\$ 16,900,000		
Feb-17	Median FMV	\$ 525,800		\$ 4,416,287		\$ 240,330,631	\$ 35	7,849		\$ 16,900,000		
Mar-17	Total Transactions	27	2					148	79		30	
Mar-17	Total Value (FMV)	\$ 21,589,185			\$ 406,000		\$ 77,95	,			\$ 143,459,200	
Mar-17	Median FMV		\$ 1,225,000		\$ 406,000		\$ 35	8,149			\$ 2,025,000	
Apr-17	Total Transactions	18	. 1					128	. 77	1		
Apr-17	Total Value (FMV)	\$ 11,863,905						,	\$ 11,843,846		\$ 111,261,540	
Apr-17	Median FMV	\$ 468,500					\$ 46	7,575		\$ 28,900,000		
May-17	Total Transactions		. 4					188	75		32	
May-17	Total Value (FMV)	\$ 30,784,905							\$ 17,761,974		\$ 105,332,245	
May-17	Median FMV	\$ 398,000					\$ 36	1,950			\$ 2,292,500	
Jun-17	Total Transactions	35	4		1			225	95		37	
Jun-17	Total Value (FMV)	\$ 49,080,278			\$ 97,700,000		\$ 113,32				\$ 259,210,641	
Jun-17	Median FMV	\$ 688,223			\$ 97,700,000		\$ 43	0,000			\$ 1,859,500	
Jul-17	Total Transactions	31	1	2				181	61		49	
Jul-17	Total Value (FMV)	\$ 51,847,534		\$ 24,500,000			-		\$ 31,340,656		\$ 131,344,285	
Jul-17	Median FMV	+,		\$ 12,250,000			\$ 39	-,	\$ 195,000		\$ 1,000,000	
Aug-17	Total Transactions	22	1					130	55		29	

year	count – commercial property
2016	4,652
2017	4,714
2018	5,175
2019 - YTD	1,499

use_description - all

- 200 Store(S) And Service Commercial
- 201 Vacant IC&I
- 202 Store(S) And Living Quarters
- 203 Stores And/Or Offices With Apartments
- 204 Store(S) And Offices
- 205 Big Box
- 206 Neighbourhood Store
- 208 Office Building (Primary Use)
- 209 Shopping Centre (Neighbourhood)
- 210 Bank
- 211 Shopping Centre (Community)
- 212 Department Store Stand Alone
- 213 Shopping Centre (Regional)
- 214 Retail Strip
- 215 Food Market
- 216 Commercial Strata-Lot
- 217 Air Space Title
- 218 Strata-Lot Self Storage-Business Use
- 219 Strata Lot (Parking Commercial)
- 220 Automobile Dealership
- 222 Service Station
- 224 Self-Serve Service Station
- 225 Convenience Store/Service Station
- 226 Car Wash
- 227 Automobile Sales (Lot)
- 228 Automobile Paint Shop, Garages, Etc.
- 230 Hotel
- 232 Motel & Auto Court
- 233 Individual Strata Lot (Hotel/Motel)
- 234 Manufactured Home Park
- 236 Campground (Commercial)
- 237 Bed & Breakfast Operation 4 Or More Units
- 238 Seasonal Resort
- 239 Bed & Breakfast Operation Less Than 4 Units
- 240 Greenhouses And Nurseries (Not Farm Class)

447	W															_			
Aug-17	Total Value (FMV)	\$ 40,420,99									\$	67,567,174					90,434,681		
Aug-17	Median FMV	\$ 680,00	_	480,000							Ş	412,500	_	230,000		\$			
Sep-17	Total Transactions		34									135		57			30		
Sep-17	Total Value (FMV)	\$ 120,455,08										97,823,166				\$	140,566,468		
Sep-17	Median FMV	\$ 1,226,36									\$	565,000	\$	157,000		\$	1,697,000		
Oct-17	Total Transactions		28									189		55			34		
Oct-17	Total Value (FMV)	\$ 46,217,32									\$:	117,167,685		9,859,512			84,605,480		
Oct-17	Median FMV	\$ 657,50									Ş	445,680	\$	155,000		\$	1,712,450		
Nov-17	Total Transactions		16			1						85		28			22		
Nov-17	Total Value (FMV)	\$ 16,361,07	72		\$	13,313,000					\$	75,238,904	\$	7,246,636		\$	85,907,750		
Nov-17	Median FMV	\$ 365,00	00		\$	13,313,000					\$	516,623	\$	164,500		\$	2,592,500		
Dec-17	Total Transactions		33	3		1						158		66			37		2
Dec-17	Total Value (FMV)	\$ 85,545,51	15 \$	1,802,500	\$	6,500,000					\$	78,262,869	\$	11,874,676		\$	128,824,995	\$	64,092,000
Dec-17	Median FMV	\$ 1,125,00	00 \$	284,500	\$	6,500,000					\$	400,000	\$	137,950		\$	1,160,000	\$	32,046,000
Jan-18	Total Transactions		42	40								118		56			34		
Jan-18	Total Value (FMV)	\$ 76,677,78	30 \$	25,050,251							\$	73,736,578	\$	10,440,643		\$	139,167,250		
Jan-18	Median FMV	\$ 559,50	00 \$	102,500							\$	466,500	\$	119,500		\$	2,950,000		
Feb-18	Total Transactions		21	45		1				1		113		64			29		
Feb-18	Total Value (FMV)	\$ 22,985,65	7 \$	46,783,950	\$	7,800,000			\$ 1	139,566,132	\$:	109,869,722	\$	13,437,143		\$	70,600,350		
Feb-18	Median FMV	\$ 180,00	00 \$	275,000	\$	7,800,000			\$ 1	139,566,132	\$	495,000	\$	130,000		\$	1,200,000		
Mar-18	Total Transactions		32	45								119		75	2		25		1
Mar-18	Total Value (FMV)	\$ 143,690,56	59 Ś	17,559,634							Ś :	204.678.231	Ś	14.681.217	\$ 50,837,540	Ś	70,270,235	\$	1,690,000
Mar-18	Median FMV	\$ 575,00									Ś	481,333	Ś		\$ 25,418,770	\$		\$	1,690,000
Apr-18	Total Transactions		41	38		1				1	_	113		107		Ť	41	_	1
Apr-18	Total Value (FMV)			15,559,374	Ś				\$	7.037.553	Ś	74,874,423				Ś	316,801,533	Ś	32.500.000
Apr-18	Median FMV	\$ 420,03				39,314,131			Ś	7,037,553		450,000		99,408		Ś	2,380,000		
May-18	Total Transactions		34	50	_	,			Ť	.,,	Ť	135	_	66		Ť	49	Ť	
May-18	Total Value (FMV)	\$ 81,190,85		14,411,016							Ġ.	177,690,297				¢	214,337,817		
May-18	Median FMV	\$ 447,00									Ś	582,000	Ś	220,152		Ś	2,550,000		
Jun-18	Total Transactions		51	39							7	115	_	71		*	47		
Jun-18	Total Value (FMV)			20,886,296							Ś	83,066,398				Ś		ė	25 380 000
Jun-18	Median FMV	\$ 475,00									Ś	540,000		167,500		Ś		\$	6,480,000
Jul-18	Total Transactions		32	51							Ŷ	135	_	27	1	Y	26	4	0,480,000
Jul-18 Jul-18	Total Value (FMV)	\$ 41,187,33		27,754,262							٠.	135 105,027,897			\$ 126,000,000	ė	148,541,467		
Jul-18	Median FMV	\$ 41,187,33									ş.	600,000	ŝ			\$			
		*,	40					1			Ş		÷	51	\$ 126,000,000	P	3,025,000		
Aug-18	Total Transactions			34				1				160					35		
Aug-18	Total Value (FMV)			29,174,164				10,700,000			> :	143,172,690					111,622,448		
Aug-18	Median FMV	\$ 1,345,00					Þ	10,700,000			Ş	544,500	Ş	195,000		\$	1,380,000		
Sep-18	Total Transactions		19	29								141		50		_	23		1
Sep-18	Total Value (FMV)			16,927,890								114,007,454				\$,,		850,000
Sep-18	Median FMV	\$ 585,30	_								\$	594,384	_	165,000		\$	_,,	\$	850,000
Oct-18	Total Transactions		39	38								110		53			27		
Oct-18	Total Value (FMV)	. , ,		24,766,759								69,743,898					96,695,994		
Oct-18	Median FMV	\$ 589,00									\$	538,750		217,000		\$	1,445,350		
Nov-18	Total Transactions		30	41				1				153		64			45		
Nov-18	Total Value (FMV)			201,841,356			\$	1,650,000				123,850,053					171,531,475		
Nov-18	Median FMV	\$ 648,72	_				\$	1,650,000			\$	505,000	\$	161,000		\$	_,		
Dec-18	Total Transactions		27	31								157		42			38		
Dec-18	Total Value (FMV)	\$ 106,348,99	3 \$	59,930,349							\$:	100,762,775	\$	9,871,523		\$	181,089,392		

- 250 Theatre Buildings
- 254 Neighbourhood Pub
- 256 Restaurant Only
- 257 Fast Food Restaurants
- 260 Parking (Lot Only, Paved Or Gravel-Com)
- 262 Parking Garage
- 266 Bowling Alley
- 270 Hall (Community, Lodge, Club, Etc.)
- 272 Storage & Warehousing (Open)
- 273 Storage & Warehousing (Closed)
- 274 Storage & Warehousing (Cold)
- 275 Self Storage
- 276 Lumber Yard Or Building Supplies
- 280 Marine Facilities (Marina)
- 284 Seniors Strata Care, Independent or Assisted Living
- 285 Seniors Licensed Care
- 286 Seniors Independent & Assisted Living
- 287 Group Home

Dec-18	Median FMV	\$ 421,200 \$ 220,000	\$ 498,000 \$ 142,500 \$ 2,396,744	
Jan-19	Total Transactions	25 41	123 32 22	
Jan-19	Total Value (FMV)	\$ 30,439,400 \$ 23,953,916	\$ 99,468,381 \$ 10,183,767 \$ 97,678,550	
Jan-19	Median FMV	\$ 500,000 \$ 75,000	\$ 515,000 \$ 262,500 \$ 1,957,500	
Feb-19	Total Transactions	24 38	109 96 24	
Feb-19	Total Value (FMV)	\$ 47,791,700 \$ 23,342,700	\$ 88,789,073 \$ 16,807,280 \$ 90,708,290	
Feb-19	Median FMV	\$ 576,500 \$ 179,500	\$ 559,750 \$ 58,429 \$ 1,712,500	
Mar-19	Total Transactions	21 31	136 52 23	1
Mar-19	Total Value (FMV)	\$ 29,952,607 \$ 13,906,500	\$ 72,936,717 \$ 14,210,414 \$ 106,383,094 \$ 1,3	346,000
Mar-19	Median FMV	\$ 945,000 \$ 161,111	\$ 420,000 \$ 147,982 \$ 3,000,000 \$ 1,3	346,000
Apr-19	Total Transactions	37 17	142 49 24	
Apr-19	Total Value (FMV)	\$ 41,809,448 \$ 6,208,525	\$ 139,830,584 \$ 12,701,286 \$ 83,291,342	
Apr-19	Median FMV	\$ 380,000 \$ 186,400	\$ 590,000 \$ 184,000 \$ 1,754,000	

Source: BC Property Transfer Tax

British Columbia's Standard of Living

Developments in British Columbia's standard of living over the past 40 years February 19, 2019

s.12; s.13

Prepared by: Economic Policy and Strategic Initiatives
Small Business, Jobs and Workforce Division
Ministry of Jobs, Trade and Technology

Page 084 of 120 to/à Page 101 of 120

Withheld pursuant to/removed as

s.12; s.13

From: Zacharias, Mark ENV:EX

To: Wright, Don J. PREM:EX; Kennedy, Christine PREM:EX

Cc: Kennedy, Karla ENV:EX

Subject: Update on Pinnacle Pellet Plant in Williams Lake

Date: February 26, 2019 5:10:47 PM

Attachments: <u>image003.png</u>

Good afternoon Don/Christine:

As requested, please find an update below:

- Pinnacle is proposing to amend their ENV air permit add a belt dryer to their existing drum drier.
- Air quality modelling indicates this proposal will result in a 300% increase of PM2.5 (particulate matter) into the airshed.
- The airshed currently falls into the Canadian Ambient Air Quality Standards (CAAQs) orange air zone management framework, requiring active management to improve air quality.
- Modelling has indicated that this amendment, as currently proposed, will result in provincial guidelines for PM2.5 being exceeded.
- Historically, this facility has been a frequent source of public complaints for fugitive dust with an extensive history of notices, advisories, warnings and investigation as a result.
- Pinnacle is looking at two options for modifications (10m vs. 25m stack) but has not yet selected an option. Therefore, 30-day public notification as per regulation cannot commence.
- ADM David Morel and ENV staff spoke with Pinnacle representatives this afternoon. Next steps going forward were discussed with regular biweekly calls to discuss progress.
- Next steps include:
 - Pinnacle needs to do further air modelling and send this information to ENV for review. They hope to do this by March 1, 2019.
 - Once this information is reviewed and deemed complete by ENV, Pinnacle can begin the
 public notification process (early/mid April) and intends to hold a town hall meeting as
 part of this process. They also advise that they believe they have First Nation (FN)
 support so this will form part of their consultation as well.
 - Pinnacle to submit a completed application package to ENV in late April.
 - ENV review and FN consultation (May)
 - It is estimated that if Pinnacle Pellet meets the submission requirements and dates, a draft permit could be completed by early June with a final decision potentially being made by early July.
- It is likely that the permit will be appealed by local residents to the Environmental Appeal Board who may stay the permit while the appeal is heard (6-9 months).
- Pinnacle is correct that this process is delayed: On the ENV side, the ENV meteorologist on this file was assigned to wildfire for 7 weeks last summer. On the Pinnacle side, they have been late providing modeling and design information.
- ENV continues to make this a priority but, given elevated risk of appeal, needs to ensure that due process is followed.

Regards,
Mark Zacharias | Deputy Minister
BC Ministry of Environment and Climate Change Strategy
3rd Floor, 525 Superior Street | Victoria, BC | V8W 9M1 | 778-698-4908 | 250.415.6466



Electrification Concept Paper

FOR DISCUSSION

I Summary

British Columbia is establishing itself as a leading global producer of low carbon intensity natural gas and LNG. With support from the Government of Canada, British Columbia can undertake electrification projects that will enable significant greenhouse gas emissions reductions or avoided emissions in key natural gas supply regions, and support the development of the world's first large scale electric drive LNG facility to be powered by a predominantly hydroelectric power grid.

s.13; s.17

Project	Request	Funding Source
(1) Prince George to Terrace Capacitors	s.13; s.17	s.16
Project,		
(2) Interconnection Fund		Investing in Canada
		Infrastructure Program
(3) Bear Mountain to Dawson Creek		To be determined
Voltage Conversion project		
(4) North Montney Power Supply project		To be determined
(5) BC-Alberta Intertie restoration		s.16

s.13; s.17

II Background

Natural gas production accounts for 10.2 MT of the Province's 64 MT of greenhouse gas emissions. Electrification in the upstream natural gas sector has reduced or avoided emissions by up to 0.6 MT per year. Further electrification of the industry will support provincial climate action objectives and increase electricity demand during the period of surplus electricity, thereby providing additional revenue to BC Hydro.

This concept paper attempts to establish priorities for electrification and explore mechanisms required for electrifying oil and gas development in British Columbia. Both Canada and British Columbia have a desire to develop Canada's resources, economic growth, a

1s.13

low carbon economy and uphold the honour of the Crown through UNDRIP in alignment with Indigenous nations in Canada.

British Columbia has identified several electrification projects as priorities based on their potential to support the avoidance of greenhouse gas emissions. These projects are outlined in section II. Some of the projects are the subject of current funding requests to the federal government. The history of these requests and background on the federal programs that BC has sought to leverage is set out in section III. Details on how BC Hydro deals with new customers and the infrastructure required to serve them is laid out in section IV.

Electrification of the oil and gas industry in BC is identified as a key element in CleanBC. Industry representatives have identified economic challenges with electrifying their operations - the challenges identified by industry are summarized in section V. Section VI of this Concept Paper explores a series of funding structures that BC could propose to Canada that would seek to leverage the existing federal funding programs to partner with industry and address the economic challenges to increased electrification of the oil and gas industry.

III Proposed Projects:

British Columbia has identified five projects that would support electrification of oil and gas operations. s.13; s.16; s.17

s.13; s.16; s.17

s.13; s.16; s.17 Note that all cost and MW numbers are high level and preliminary and will be refined as BC Hydro moves forward with the projects.

A) Bear Mountain to Dawson Creek Voltage Conversion project

The Bear Mountain to Dawson Creek Voltage Conversion project (BMT-DAW) will convert the existing 138 kV lines between Bear Mountain and Dawson Creek substations to 230 kV and add 230/138 kV transformers at Dawson Creek substation, increasing the transmission capacity in the Dawson Creek area and allowing BC Hydro to serve additional customers from the natural gas sector.

s.13; s.17

Customer	Project	Year	Capacity (MW)	GHG (MT CO2e)
Enbridge	Tupper West	2020	40	s.13
Enbridge	Dawson	2022	20	
ARC	Dawson	2023	80	
Total			140	

Other customer projects are expected to develop over time to utilize the full 200 MW of increased capacity.

B) Interconnection Fund

An interconnection fund will reduce barriers for upstream producers who face significant interconnection costs. Unless interconnection costs can be offset, these gas producers will likely choose natural gas for their operations.

s.13; s.17

Customer	Project	Year	Capacity (MW)	GHG (MT CO2e)
Enbridge	Straddle	2023	110	s.13
ARC	Attachie	2021	20	
Crew	Groundbirch	2021	20	
Total			150	

Other customer projects are expected to develop over time to utilize the full Interconnection Fund.

C) North Montney Power Supply Project

The lack of transmission infrastructure in this region is the main impediment to these potential customers connecting to and taking service from BC Hydro because it is uneconomic for any single customer or group of customers to build a transmission extension to this area. s.13; s.17

D) Prince George to Terrace Capacitor (PGTC) Project

The PGTC project will reinforce the 500 kV transmission system between Prince George and Terrace by building three new series capacitor stations, increasing the transfer capability by 500 MW.

s.13; s.17

Customer	Project	Year	Capacity (MW)	GHG (MT CO2e)
Kitimat LNG		2027	Phase 1: 500MW	s.13

Note that an additional project, the Terrace to Kitimat Transmission (TKTP) project, is also required to supply Kitimat LNG. TKTP involves building a new 287kV transmission line from Terrace to Kitimat, paralleling the existing 287kV circuit which is being refurbished.

Supplying additional load on the north coast beyond Kitimat LNG will require a second transmission line from Prince George to the North Coast. The line could be built as a 500kV circuit, similar to the existing line, or could be an HVDC circuit.

^{*}Note: The fund would provide 50% of actual costs – to a maximum of \$15 M – for customer interconnection costs (e.g. line extension, substation).

^{*} Note: both the Enbridge Dawson and ARC Dawson projects will also require the Interconnection fund to help offset the costs to electrify; however, as they require the Bear Mountain to Dawson Creek project to proceed they have not been listed here to avoid duplication of emissions reduction.

E) Restoration of the BC-Alberta Intertie

As a result of a number of constraints on the Alberta side, the available transfer capacity is lower than its path rating. s.13; s.16

s.13; s.16

s.13; s.16 There is a small amount of new infrastructure required on the BC side of the border that is required as part of the restoration.

s.13; s.16; s.17

IV Federal Funding Programs:

A) First Minister's Clean Growth Framework

On December 7, 2018, First Ministers agreed to collaborate on ways to promote clean growth while growing the economy and lead a discussion on the development of a framework for a clean electric future to promote access to domestic and international markets for Canada's natural resources.

Under this, governments would:

- Set overarching goals for how Canada can move to a more electrified future;
- Agree on a set of joint priorities for moving forward; and
- Identify concrete actions that jurisdictions will take individually or collectively to drive decisions and investments in electricity infrastructure.

British Columbia has submitted a number of electric transmission projects and Canada has announced funding for the development of the framework for First Ministers, which requires Natural Resources Canada (NRCan) to engage with provinces and territories, industry and other stakeholders to develop a final document that can be endorsed by First Ministers at a future meeting.

In November 2018, Premier John Horgan wrote to Prime Minister Justin Trudeau to request s.13; s.17 co support three² BC Hydro transmission priority projects to enable electrification of the upstream natural gas sector to meet federal and provincial climate commitments.

Prime Minister Justin Trudeau responded that officials should begin to work together to evaluate electrification.

B) Canada Infrastructure Program

BC was provided with \$903 M under the Investing in Canada Program (ICIP) – Green Infrastructure Stream. s.12; s.13 s.12; s.13

² These three projects are: the Bear Mountain to Dawson Creek Voltage Conversion project, the Interconnection Fund, and the North Montney Power Supply Project

s.12; s.13

Any change to the existing allocations requires agreement of the signatory Ministries, and then approval from Treasury Board. However, with respect to the Electricity Program, s.12; s.13
s.12; s.13

Infrastructure Canada has no input into what the provincial priorities are until the Province advances those priorities for federal approvals. That is to say, the Province can amend its notional allocations at any time, and is able to update the ICIP 3 Year Infrastructure Plan accordingly.

Green Infrastructure

		TB Notional	Project Selection	Approved	1st Intake	Flexible	Available	Note
Environmental Quality								
•	Comox Valley Water	s.12; s.13	MAH	34.308				0
•	Allocation		Application		s.13			2
	Sub-Total			34.308				
Electricity		-			•			
•	PRES			83.681				8
•	PGTC	1						6
•	BC-Alberta Intertie							6
	Sub-Total	Ī		83.681				
Clean Community Fund		1	Application					6
Flood Protection		Ī	Application					7
Reserve		1	n/a					6 8 9
Provincial Administration		1	n/a	4.064				9
Total				122.053				

- 1 Federal approval secured project announced
- 2 1st Application intake closed August 29, 2018
- 3 Federal approval secured project announced
- **4** s.12; s.13; s.16
- 6
- 6 1st Application intake closed March 31, 2019
- 1st Application call to be released in the Fall
- 8 s.13
- 9

C) Canada Infrastructure Bank

The Canada Infrastructure Bank (CIB) was created as part of the federal government's Investing in Canada Infrastructure Plan. The Government of Canada sets the overall policy direction and high-level investment priorities of the CIB and works cooperatively with all levels of government and private investors to identify potential projects and ascertain how to structure financing for bankable projects. The CIB is accountable to Parliament through the Minister of Infrastructure and Communities.

The Bank's Board of Directors is responsible for overseeing management, providing strategic direction and approving investments. Day to day management of the CIB is delegated to the Chief Executive Officer, a position currently held by currently Pierre Lavallée.

The mandate of the CIB is to attract private capital into new infrastructure projects that are in the public interest and was seeded with \$35 billion and will invest more than \$5 billion in three priority areas: green infrastructure, public transit, and transport and trade. Since its creation in 2017, the CIB has funded one public transit project located in Quebec.

TransMountain Pipeline Expansion Trans Mountain's existing pipeline has 15 pump stations in British Columbia, all of which are connected to BC Hydro's grid. Their expansion project would include changes (load increases or decreases) at several of their existing BC pump stations along with a new pump station, Black Pines, located north of Kamloops. Trans Mountain and BC Hydro have been collaboratively working through BC Hydro's interconnection process to electrify the proposed new Black Pines station should the project proceed. s.13 s.13 Copyright Map of proposed Trans Mountain Pipeline Expansion Configuration.

V BC Hydro Infrastructure Development

For industrial customers that are connecting to the transmission system (69kV or higher) Tariff Supplement No. 6 governs what interconnection-related facilities the customer and BC Hydro are responsible to design, build, operate and pay for. Under this tariff a customer is responsible for designing, building, operating, owning, and paying for the transmission line from their plant to the BC Hydro existing transmission system. The customer can elect to transfer their transmission line to BC Hydro for a nominal fee, if it is built to BC Hydro standards.

The point where this private transmission line connects to the BC Hydro transmission system is BC Hydro's responsibility to design, build, own, and operate. However, as these are dedicated facilities, the customer is required to pay the full cost of these facilities.

BC Hydro is also responsible to design, build, own, and operate any upgrades to the existing transmission system required to enable supply of electricity to the customer's point of interconnection (these are referred to as System Reinforcements). The customer is responsible for these costs, however, BC Hydro provides a revenue offset towards these costs based on a formula within Tariff Supplement No 6. This revenue offset is equivalent to approximately 7.3 years of estimated revenues from the new customer. If the offset is sufficient to cover the costs of the system reinforcements, then BC Hydro will require security in the amount of the system reinforcement costs to ensure revenues materialize. If the offset is not sufficient BC Hydro will require security in the amount of the maximum offset available and cash payments for the difference between the estimated cost of the system reinforcement and the maximum offset available. This security is released on an annual basis as revenues are realized.

VI Electrification Challenges

Upstream electrification faces challenges. s.13 s.13

- s.13
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Transmission Timing:

Producers are concerned that it can take several years before they are connected to the BC Hydro grid. Decisions on siting well pads and the capital investment in processing equipment are often made in a period of months and production can occur shortly thereafter. If the transmission infrastructure is not expected to be in place by the time production commences, producers may choose to invest in gas processing equipment and lock in emissions for decades.

s.13

Fuel Choice Economics

In the current low natural gas environment, the cost of using fuel gas for processing is relatively inexpensive and maintains the reliability of fuel supply to the plant within the control of the producer. Where natural gas prices have decreased to historic lows over the past decade BC Hydro rates have increased, widening the economic gap. s.13

Of note, BC Hydro is currently forecasting that rate increases will be below the rate of inflation for the next five years. Should electricity rates continue to decline over time in real terms, over time the advantage of electrification increases.

s.13

³ The price of natural gas in BC is currently about \$0.27/GJ.

Policy Uncertainty

The Ministry of Environment and Climate Change Strategy is currently developing the parameters for the CleanBC Industrial Incentive Program (CIIP). They are developing benchmarks that will consider assessments of world-leading emission performance in terms of tonnes of CO2e per unit of production/activity and an eligibility threshold. Operations that meet the eligibility threshold will receive incentives based on how close they are to the benchmark. Climate Action Secretariat (CAS) has not yet set the benchmarks for natural gas processing s.13 s.13

CAS currently administers a brownfield greenhouse gas offset protocol that provides a financial incentive for fuel switching s.13 s.13

VII Funding Strategies

BC is seeking opportunities for funding of these key transmission projects and have developed four potential strategies, outlined in Table 1.

Table 1: Funding Strategies s.13; s.16

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s.13; s.16

VIII Industry Views

s.13

s.13

IX Indigenous Nations Opportunities

Indigenous Nations have expressed an interest in taking an equity position in pipelines—both TMX and natural gas pipelines. They have also expressed an interest in adopting a similar model for electricity transmission. s.13; s.16 s.13; s.16

Indigenous First Nations could also participate in the construction of these projects (land clearing, right-of-way maintenance, environmental monitoring, etc.)

s.13; s.16

X Conclusion

s.13; s.16

As part of an economic development strategy, B.C. is establishing itself as a leading global producer of low carbon intensity natural gas, which is important to BC's potential customers in

Korea and Japan. Domestically, avoiding emissions associated with resource extraction will support BC's CleanBC strategy by balancing the emissions and economic development goals of CleanBC. At the same time, the Government of Canada has been working through initiatives such as the Federal-Provincial Joint Working Group to establish a globally recognizable brand for Canadian natural gas as being socially and environmentally responsible.

In addition to finding a niche for BC's natural gas, upstream electrification is critical to meeting BC and Canada's aggressive climate change targets. NRCan's Generation Energy council asserted the importance of producing cleaner oil and gas. The Pan Canada Framework made specific commitments to BC on funding transmission infrastructure, stating,

British Columbia and the Government of Canada will work together to bring clean grid electricity to natural gas operations in northeast B.C. They will co-fund the construction of new transmission lines and other public electrification infrastructure that could serve up to 760 megawatts of upstream natural gas processing load and avoid up to 4 Mt of emissions per year.

s.13; s.16

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s.12; s.13