



Image courtesy of Kwantlen Polytechnic University

A state-of-the-art, 6,000 sq m facility, including innovative teaching studios and labs, a testing centre, gallery space, and expanded study and design spaces for students. The Wilson School of Design supports a variety of design programs, including Technical Apparel Design and Fashion and Technology. The \$36-million building was funded through a \$12-million contribution from the B.C. government, \$12 million from Kwantlen Polytechnic University and \$12 million in donations that include \$8 million from Chip and Shannon Wilson.

BRITISH COLUMBIA MAJOR PROJECTS INVENTORY

FOURTH QUARTER 2017



Ministry of
Advanced Education,
Skills and Training

ABOUT THIS REPORT

British Columbia Major Projects Inventory Fourth Quarter 2017

Major Projects Inventory as of December 31, 2017.

Publisher: Labour Market and Information Division, Ministry of Advanced Education, Skills and Training.

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About this Report

The objectives of this report are to analyze the updates to the MPI and to provide additional context on changes to economic conditions and construction activities. These snapshots of current economic activities are provided to help readers form expectations of the construction activities into the next quarter. This report was prepared with the most current data from economic indicators.

Detailed project listings are available in a searchable Excel database: www.majorprojectsinventory.com

Please address report feedback to Grace Lee, Labour Market Information Office at: Grace.Lee@gov.bc.ca

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ABOUT THE MAJOR PROJECTS INVENTORY

The B.C. Major Projects Inventory (MPI), published quarterly, provides summary information on major projects in the Province of British Columbia. The MPI includes a listing of private and public sector construction projects in B.C. with an estimated capital cost of \$15 million (Cdn.) or greater (\$20 million or greater within the Lower Mainland–Vancouver area).

Approximately two-thirds of existing projects receive an update each quarter. New projects are added to the list every quarter. Projects on hold for longer than two years are removed from the publication. Completed projects are removed from the list in the following quarter.

Information collected in the MPI includes:

Project identification	Project name, description, specific and regional location, geographic coordinates, developer, contact information, project type, and project category
Project status	<ul style="list-style-type: none">• Proposed, under construction, completed, or on hold• Proposed stages• Start and completion dates (if available)• Update activity on project status• Environmental assessment stage
Project size	Estimated capital cost (if available)
Other project characteristics	Construction type, construction subtype, public sector projects, clean energy projects and/or green (i.e. LEED) building projects, First Nations' agreements, the number of construction jobs and operating jobs.

While every effort is made to maintain a comprehensive project list that includes the most current publicly available information, it is important to note that projects are constantly added and re-evaluated by industry. Not all major projects are included in the MPI. Projects must be known to be included, and some project information is not published due to confidentiality requirements.

Sources of MPI Information

Information sources include print and electronic media, developers, architects, general contractors, and government agencies (provincial, regional, municipal) as well as occasional site visits. Projects that are under consideration or proposed to be funded by the provincial government may be listed where there is public information about such projects. The description may indicate the status of provincial funding applications if such information is publicly available.

Project Location

Projects are listed within the eight economic development regions: Vancouver Island/Coast, Mainland/Southwest (Vancouver area), Thompson-Okanagan, Kootenay, Cariboo, North Coast, Nechako, and Northeast. A map showing the location of the regions and main population centres is included in the regional sections of the MPI. Projects are also listed according to the nearest population centre, which could be an unincorporated centre or a local government (e.g., a municipality).

ABOUT THE MAJOR PROJECTS INVENTORY

Estimated Cost

Cost estimates are general estimates from the information sources used and are not necessarily produced in a consistent manner. The estimated costs are revised when new information is available. All estimates are recorded in millions of dollars. All capital costs in this report are estimates and therefore subject to change. This is particularly applicable in the early stages of a project proposal. Some capital costs are not included because they were not available at press time or the developer or owner requested that no capital cost be shown.

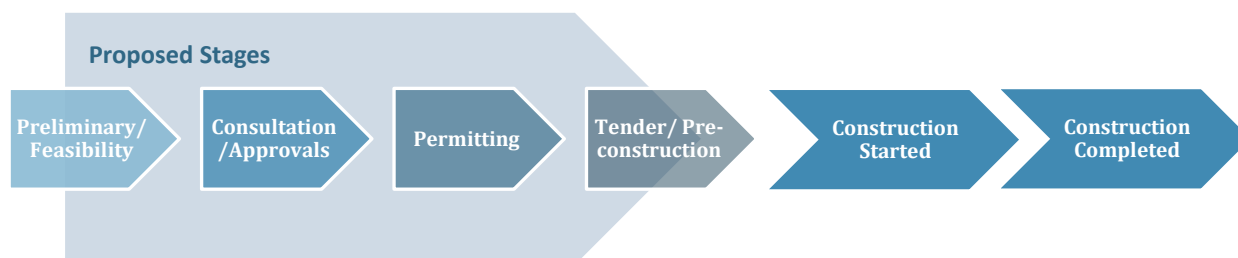
Start and Finish Dates

Start and finish dates for proposed projects are based on estimates from the sources used, or in some cases, reasonable assumptions. These dates are revised as new information becomes available.

Project Status

Projects are listed by status: proposed, under construction, completed, or on hold. Projects that are on hold for longer than two years are normally removed from the publication (although retained in our database). Cancelled projects are noted in the project description as “cancelled” and noted in a new field - Update Activity is identified as “cancelled-removing next issue”. Cancelled projects and completed projects in this quarter will be removed from the next issue of the MPI. Changes to project status are based on public information releases and/or information supplied by project proponents. Cancelled projects are not included in reported totals in this report.

The following diagram illustrates the project stages listed in the database.



Technically, projects can have their status moved to “cancelled” at any stage except for construction completed.

Proposed

Any major projects in the public realm with an intention to proceed on the part of a credible proponent are added to the database. Often major projects with an official news release or funding confirmed are added to the inventory. Projects released on the official websites may be included but are subject to approval for inclusion by the proponent. A review process for public projects is obtained by the project manager where the respective ministry can decide to include or remove the proposed projects based on feasibility or funding available for the project.

Proposed projects usually go through the four stages prior to the construction.

At the **Preliminary/Feasibility** stage, the feasibility of the project has been reviewed and the project's design and planning are in process.

ABOUT THE MAJOR PROJECTS INVENTORY

Consultation/Approvals stage includes approvals for the zoning, environmental assessment, First Nation and other public open house processes.

A proposed project will enter **Permitting** stage after obtaining the required approvals (i.e. environmental assessment certificate, if indicated). This stage includes development and building permits, mines, water licenses and other additional information required before moving into pre-construction stage.

Tender/Pre-construction stage includes construction tenders and building site preparation such as pre-loading, demolition, and excavation. The pre-construction work such as excavation or site work may begin in preparation for the construction permit.

Sustainable Building Design

Information on sustainable building design is identified as well as construction projects that are registered and certified under a recognized green building rating system (e.g., Leadership in Energy and Environmental Design (LEED®), Green Globes). LEED buildings provide an environmentally responsible standard for energy efficiency in the home and workplace. This designation has been added to the project description to promote awareness of the benefits of green buildings.

First Nations Affiliation

Information related to First Nations' involvement in projects is based on news releases and published project information that is publicly available. The information is consistent with the information maintained in the Indigenous Business and Investment Council Database (BCIBIC; www.bcibic.ca).

ABOUT THE MAJOR PROJECTS INVENTORY

Project Category

Projects Category listed the seven industrial categories:

- a.) manufacturing;
- b.) mining, oil and gas extraction;
- c.) other services;
- d.) public services;
- e.) residential or commercial;
- f.) transportation and warehousing; and,
- g.) utilities (including sewage treatment)

Environmental Assessment Stage

The stages of environmental assessment for each project undergoing review under the *B.C. Environmental Assessment Act* are added to this issue.

Latitude and Longitude

Fields Latitude and longitude in the format of Degrees minutes seconds (DMS).

Telephone

Contact number of the project developer or representative.

Update Activity

Readers can search for and select projects based on the following seven criteria:

- a.) new proposed projects;
- b.) project started construction;
- c.) cancelled-removing next issue;
- d.) project added-under construction;
- e.) project completed-removing next issue;
- f.) project placed on hold; and,
- g.) project removed from hold.

B.C. MAJOR PROJECTS INVENTORY – Q4 2017

1. B.C. Major Projects Highlights – Q4 2017

The fourth quarter of 2017 issue of the B.C. Major Projects Inventory lists 40 new proposed projects over \$15 million (M) with available capital cost estimates totalling approximately \$1.67 billion (B) if all the projects proceed. The potential capital investment of new projects has decreased compared to \$2.32 B in the third quarter of 2017.

The estimated capital cost of all 956 major projects in the fourth quarter of 2017, totalling \$402.55 B, has decreased slightly from \$412.63 B in the third quarter of 2017. Note that the total capital cost is the combined estimated value of projects identified as proposed, construction started, completed, and on hold excluding cancelled projects.

There are 24 projects that have started construction in B.C., representing an estimated capital cost of \$2.22 B, up slightly from the \$2.01 B reported in the third quarter of 2017. Twenty-nine projects completed construction in the fourth quarter, with an estimated capital cost of \$4.13 B compared to \$2.74 B in the third quarter of 2017.

The capital cost of all major projects currently under construction in B.C. is estimated at approximately \$74.88 B, up slightly from the \$74.73 B reported in the third quarter of 2017. Many major project proposals listed are in very preliminary stages and are not approved for construction, therefore capital cost estimates should be viewed with caution.

The available capital cost of proposed projects is estimated at \$293.57 B, down from \$304.69 B in the previous quarter. Approximately \$29.97 B of projects are judged to be 'on hold' for the time being, a decrease from the previous quarter.

Three projects have been cancelled in the fourth quarter with an available capital cost of \$10.6 B. These projects were: Malahat LNG, Prince Rupert LNG (\$10 B), and BC LNG (\$600 M). All capital costs in this report are estimates and therefore subject to change. Some capital costs are not included because they were not available at press time or the developer or owner requested that no capital cost be shown.

Figure 1 B.C. MPI Highlights

956	Number of total major projects
\$402.6 B	Value of all projects
511	Number of total proposed projects
\$293.6 B	Value of proposed projects
351	Number of projects under construction
\$74.9 B	Value of projects under construction
29	Number of projects completed
\$4.1 B	Value of projects completed
40	Number of new proposed projects
\$1.7 B	Value of newly proposed projects

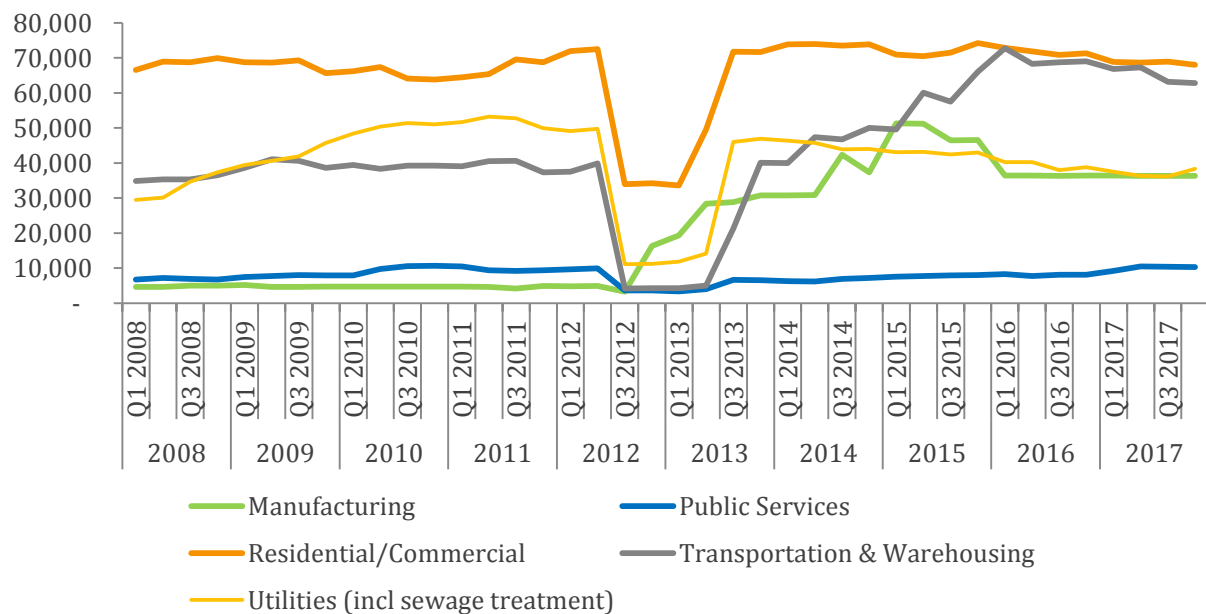
B.C. MAJOR PROJECTS INVENTORY – Q4 2017

2. B.C. Major Projects Inventory– Q4 2017

By Project Category, Construction Type or Subtype

Exhibit 2.1 Estimated Cost Trends in B.C. Major Projects, by Project Category (\$ M)

Project Category	Q4 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	Change from the previous quarter	Change from the previous year
Mining, Oil & Gas Extraction	201,530	201,550	201,194	185,933	174,900	-5.9%	-13.2%
Residential/Commercial	71,287	68,847	68,689	68,937	67,995	-1.4%	-4.6%
Transportation & Warehousing	68,974	66,783	67,270	63,145	62,844	-0.5%	-8.9%
Manufacturing	36,425	36,425	36,365	36,365	36,365	0.0%	-0.2%
Utilities	38,819	37,522	36,322	36,134	38,300	6.0%	-1.3%
Public Services	8,123	9,199	10,492	10,333	10,287	-0.4%	26.6%
Other Services	11,779	11,911	11,826	11,804	11,859	0.5%	0.7%
Grand Total	436,937	432,237	432,158	412,651	402,550	-2.4%	-7.9%

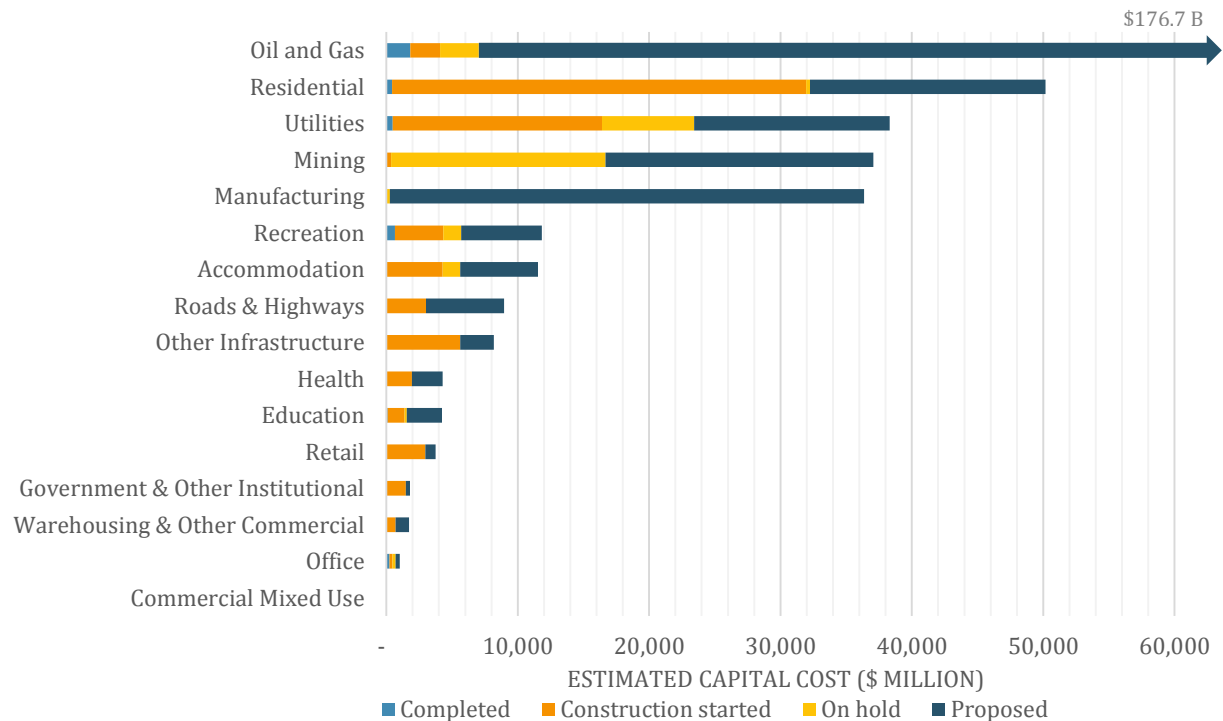


Note: exclude mining oil & gas extraction and other services projects

- The total estimated capital cost of major projects in B.C. declined significantly in the fourth quarter of 2017 (Q4), totalling \$402.6 B, representing a 2.4% decline over the previous quarter. The decline was mainly led by the removal of Malahat LNG, Prince Rupert LNG, and BC LNG.
- In Q4 2017, the project value decreased in all project categories, except in Utilities (+6.0%).

B.C. MAJOR PROJECTS INVENTORY – Q4 2017

Exhibit 2.2 Major Projects Status in B.C., by Construction Subtype (\$ M)



Note: See Appendix 4 for the data underlying this chart.

- Oil and Gas projects represent 46 percent of the total estimated capital cost in Major Projects Inventory. A slight decrease in the Oil and Gas share resulted from three LNG projects removed in the fourth quarter of 2017: Malahat LNG, Prince Rupert LNG, and BC LNG. Last quarter, Pacific Northwest LNG and Aurora LNG Facility were removed from the MPI.
- Residential and Commercial development projects comprise 538 of the 956 projects listed in the fourth quarter of 2017, representing a total estimated capital cost of \$80 B in the inventory.
- Residential projects are concentrated in the Mainland/Southwest region (56%), Vancouver Island (24%), and Thompson-Okanagan (20%).
- Fourteen residential major projects (\$471 M) have been completed in Mainland/Southwest and Vancouver Island in Q4 2017. These projects will be removed from the inventory in the following quarter. However, there are 163 projects (\$30.16 B) are currently underway in broader regions: Vancouver Island/Coast (\$7.7 B), Mainland/Southwest (\$15.4 B), Thompson-Okanagan (\$7 B), and Kootenay (\$80 M).
- Utility projects continue to be a significant driver for the province. The total cost of utilities projects amounts to \$38.3 B while the total cost of projects which are currently underway is \$15.9 B. Nanaimo Sewage Plant Upgrades (\$86 M), G.M. Shrum Spillway Gate Upgrade Project (\$48 M), Septimus Creek Wind Power Project (\$45 M), and Bridge River 2 – Strip and Recoat Penstock 1 Interior Project (\$26 M) have started construction in Q4 2017.
- All three newly proposed utilities projects are added in Q4 2017 are located in Northeast: Zonnebeke Wind Energy Project (\$50 M), Babcock Ridge Wind Farm (\$50M), and Sukunka Wind Energy Project (\$50 M).
- There are 57 mining projects listed in the MPI with a total estimated value of \$37.1 B. There is no change in the mining projects since the third quarter of 2017.
- The top three components share of new projects added to the inventory in Q4 2017 are Primarily Residential – Single Use (56%), Oil and Gas (16%), and Commercial/Residential Mixed Use (10%).

B.C. MAJOR PROJECTS INVENTORY – Q4 2017

Exhibit 2.3 Estimated Cost of Regional Major Projects, by Construction Type and Subtype (\$ M)

Construction Type & Subtype	Vancouver Island/ Coast	Mainland/ Southwest	Thompson -Okanagan	Kootenay	Cariboo	North Coast	Nechako	Northeast	Total
Residential Subtotal:	11,157	26,188	9,504	80	-	-	100	-	47,029
Primarily residential	8,257	17,020	8,054	80	-	-	100	-	33,511
Residential Mixed use	2,900	9,168	1,450	-	-	-	-	-	13,518
Commercial Subtotal:	2,196	18,289	5,679	4,902	1,343	46	-	540	32,995
Commercial Mixed use	462	2,690	-	-	-	-	-	-	3,152
Accommodation	300	4,695	3,299	2,302	940	-	-	-	11,536
Recreation	211	6,756	2,235	2,600	21	16	-	-	11,839
Retail	923	2,196	115	-	-	-	-	500	3,734
Office	260	732	15	-	-	-	-	-	1,007
Warehousing	-	190	-	-	-	-	-	-	190
Other Commercial	40	1,030	15	-	382	30	-	40	1,537
Industrial Subtotal:	32,130	2,335	1,864	3,246	7,231	181,702	6,296	21,985	256,789
Mining	130	160	1,834	3,036	2,646	18,807	6,296	4,171	37,080
Oil & Gas	32,000	2,125	-	-	4,570	130,835	-	13,814	183,344
Manufacturing - Wood Products	-	-	30	-	-	60	-	-	90
Manufacturing - Petrochemical	-	-	-	-	-	32,000	-	4,000	36,000
Other Manufacturing	-	50	-	210	15	-	-	-	275
Institutional & Government Subtotal:	3,248	5,206	1,319	36	59	383	-	56	10,307
Education	1,770	2,145	169	19	59	18	-	56	4,236
Health	-	2,789	1,110	17	-	365	-	-	4,281
Government buildings	1,458	272	40	-	-	-	-	-	1,770
Other Institutional & Government	20	-	-	-	-	-	-	-	20
Infrastructure Subtotal:	9,920	17,710	3,056	871	1,589	4,966	786	16,532	55,430
Utilities	7,726	5,388	1,495	871	1,070	4,517	741	16,492	38,300
Roads & Highways	362	6,484	1,411	-	519	99	45	40	8,960
Other Transportation	1,815	5,838	150	-	-	350	-	-	8,153
Other Infrastructure	17	-	-	-	-	-	-	-	17
Grand Total	58,651	69,728	21,422	9,135	10,222	187,097	7,182	39,113	402,550

B.C. MAJOR PROJECTS INVENTORY – Q4 2017

By Project Status

Exhibit 2.4 Estimated Cost Trends in B.C. Major Projects, by Project Status (\$ M)

Status	Q4 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	Change from the previous quarter	Change from the previous year
Proposed	325,325	324,973	307,495	304,694	293,574	-3.6%	-9.8%
Construction started	75,064	75,282	74,957	74,729	74,877	0.2%	-0.2%
Completed	2,927	1,341	3,357	2,737	4,133	51.0%	41.2%
On hold	33,621	30,641	46,349	30,491	29,966	-1.7%	-10.9%
Total	436,937	432,237	432,158	412,651	402,550	-2.4%	-7.9%

The value of completed projects rose 51 percent to \$4.1 B in the Q4 2017 over the previous quarter. Notable projects completed were Sunrise Gas Plant (\$860 M), Tower Gas Plant (\$715 M), and BC Place Entertainment Complex (\$600 M).

Exhibit 2.5 Summary of B.C. Major Projects (by Project Status)

	Estimated Capital Cost (\$M)	Percentage of Total	Number of Projects	Average Project Value (\$ M)	Average Years in Inventory
Proposed	293,574	73%	511	658	4.7
Preliminary/Feasibility	74,847	19%	118	832	3.8
Consultation/Approvals	155,888	39%	230	753	5.5
Permitting	9,848	2%	39	274	3.4
Tender/Preconstruction	11,682	3%	82	156	3.1
Stage Unknown	41,309	10%	42	1,087	7.3
On Hold	29,966	7%	65	483	10.9
Construction Started	74,877	19%	351	218	6.2
Completed	4,133	1%	29	143	4.6
Total	402,550	100%	956	457	5.7

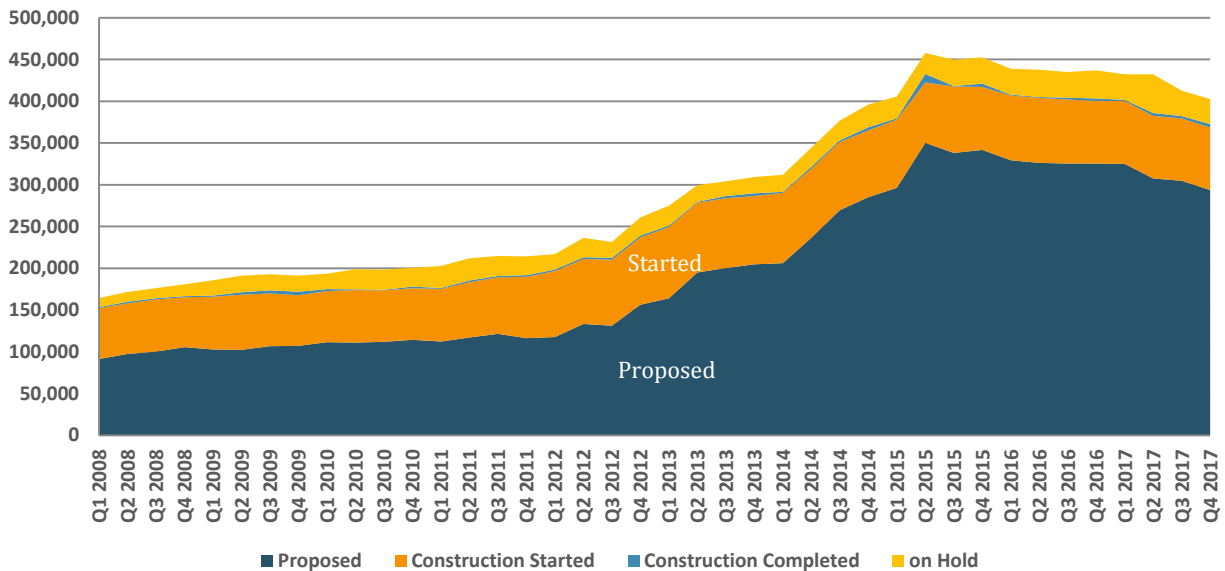
Note: Average project value is the average of those projects for which there is a cost estimate. An average year in inventory is the average time span between the projects as first recorded in the MPI and the current period.

B.C. MAJOR PROJECTS INVENTORY – Q4 2017

Exhibit 2.6 Estimated Cost of Regional Major Projects, by Project Status (\$ M)

Development Region	Proposed	Construction started	Completed	On Hold	Total	Total change from the previous quarter	Total change from the previous year
Vancouver Island/Coast	44,733	12,522	98	1,298	58,651	0.2%	-3.0%
Mainland/Southwest	37,088	30,324	1,364	952	69,728	-2.2%	-3.1%
Thompson-Okanagan	5,653	13,872	260	1,637	21,422	0.3%	-2.0%
Kootenay	2,399	3,626	-	3,110	9,135	0.0%	0.2%
Cariboo	8,422	479	21	1,300	10,222	-0.2%	-2.1%
North Coast	172,684	616	-	13,797	187,097	-5.3%	-14.4%
Nechako	4,361	251	235	2,335	7,182	0.0%	0.0%
Northeast	18,234	13,187	2,155	5,537	39,113	4.9%	4.6%
Total	293,574	74,877	4,133	29,966	402,550	-2.4%	-7.9%

Exhibit 2.7 Estimated Cost Trends in B.C. Major Projects (\$ M)



BRITISH COLUMBIA'S ECONOMY

3. British Columbia's Economy

Exhibit 3.1 Economic Activity

	2018f	2019	2020	2021	2022
Real GDP	+2.3 %	+2.0 %	+2.0 %	+2.0 %	+2.0%

Source: B.C. Budget and Fiscal Plan 2017/18 – 2019/20

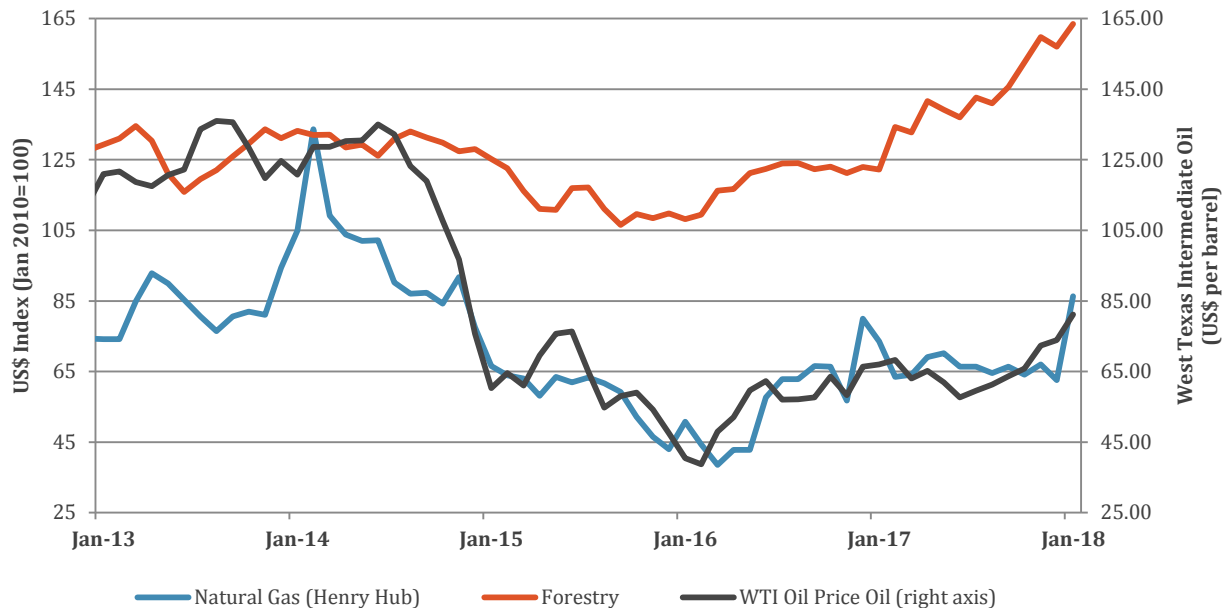
	Most Recent Period	Amount	Change from previous month	Change from previous year	Data Type
Retail trade (\$ M)	Dec-17	7,203	-0.6%	+10.6%	seasonally adjusted
Manufacturing Sales (\$ M)	Dec-17	4,370	-0.7%	+8.8%	seasonally adjusted
Residential - building permits (\$ M)	Dec-17	1,167	+50.6%	+60.0%	seasonally adjusted
Residential - housing starts (units)	Jan-18	41,635	-16.1%	+59.7%	seasonally adjusted at annual rates
Non-Residential building permits (\$ M)	Dec-17	333.3	-17.5%	+41.6%	seasonally adjusted
Exports - all merchandise (\$ M)	Dec-17	3,775	+6.2%	-0.9%	seasonally adjusted
Prices					
B.C. Consumer price index (2002=100)	Jan-18	126.1	+0.7%	+2.1%	
Exchange rate	Jan-18	US \$0.80	+2.8%	+6.2%	
Average 5-year residential mortgage rate	Nov-17	4.04%	+0.1 p.p.	+0.3 p.p.	
Labour Market					
Employment	Jan-18	2,486,800	-0.2%	+2.5%	seasonally adjusted
Unemployment rate	Jan-18	4.8%	+0.2 p.p.	-0.7 p.p.	seasonally adjusted
Participation rate	Jan-18	65.2%	-0.1 p.p.	+0.3 p.p.	seasonally adjusted
Average weekly earnings	Dec-17	956.91	+0.6%	+2.7%	seasonally adjusted

Source: Statistics Canada & Bank of Canada

Note: p.p. is percentage point, used here to show the difference between two percentage rates.

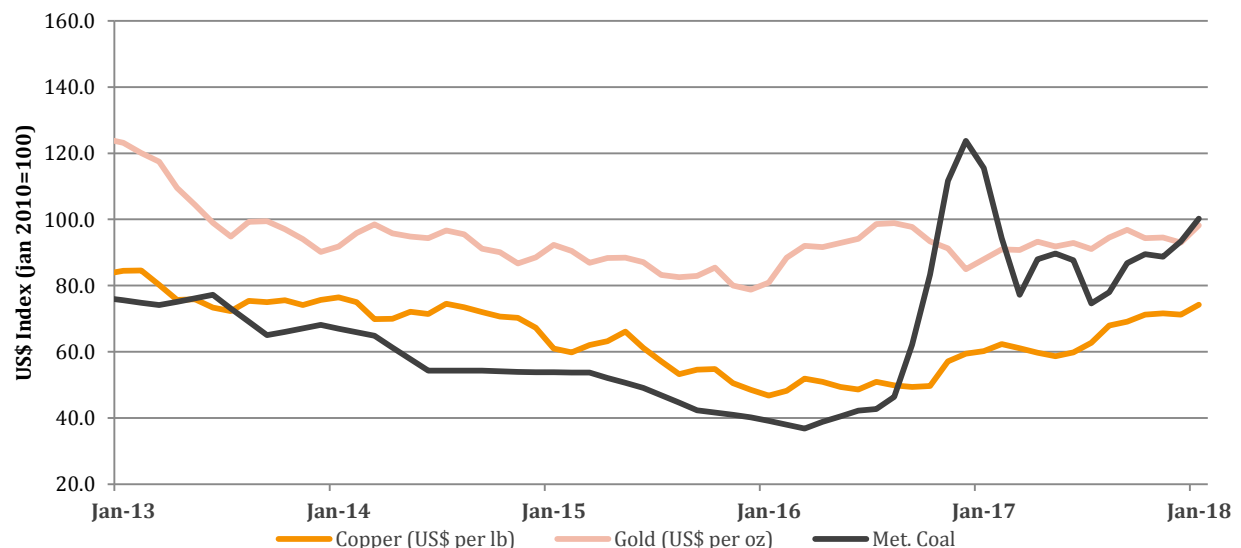
BRITISH COLUMBIA'S ECONOMY

Exhibit 3.2 Key Commodity Prices



Source: Forestry from Bank of Canada, Natural Gas and Oil from U.S. Energy Information Administration

The forestry price index increased 4.1% in January and was 33.7% higher than a year ago. Natural gas jumped 37.9% to U.S.\$3.88/mmBTU from the previous month and increased 17.4% on a year-over-year basis. Oil increased 9.9% to U.S.\$63.59/bbl in the same month and 21.1% above a year-ago level.



Source: B.C. Ministry of Energy and Mines

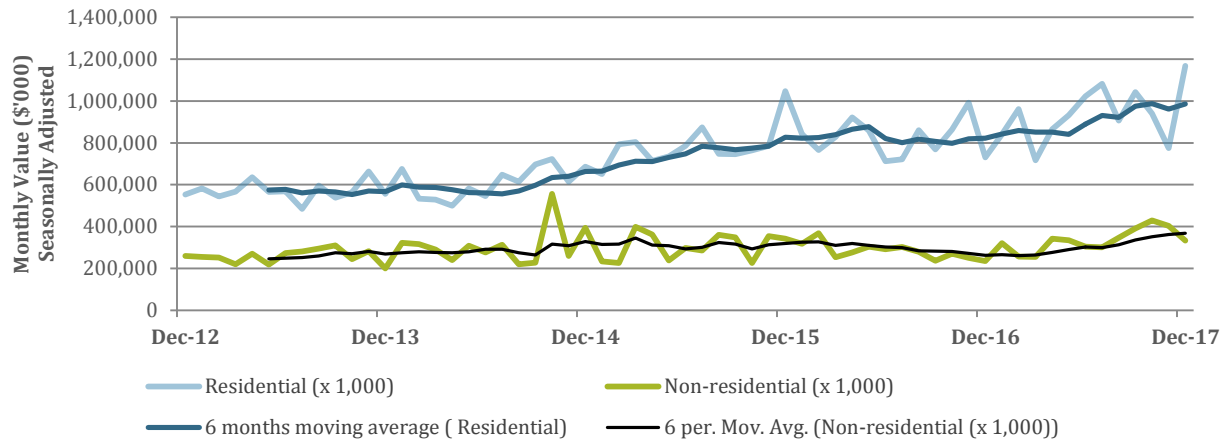
Met. Coal: quarterly Average to March 2016, average of daily after March 2016

Copper, gold and coal prices are on an upward trend since the summer of 2017.

Copper price increased 4.2% in January and increased 23.3% compared to the previous year. Gold price was up 5.6% in the past month and is 11.7% above year-ago level. Metallurgical coal jumped 7.3% in January but was 13.2% below the price one year ago.

BRITISH COLUMBIA'S ECONOMY

Exhibit 3.3 Value of Building Permits

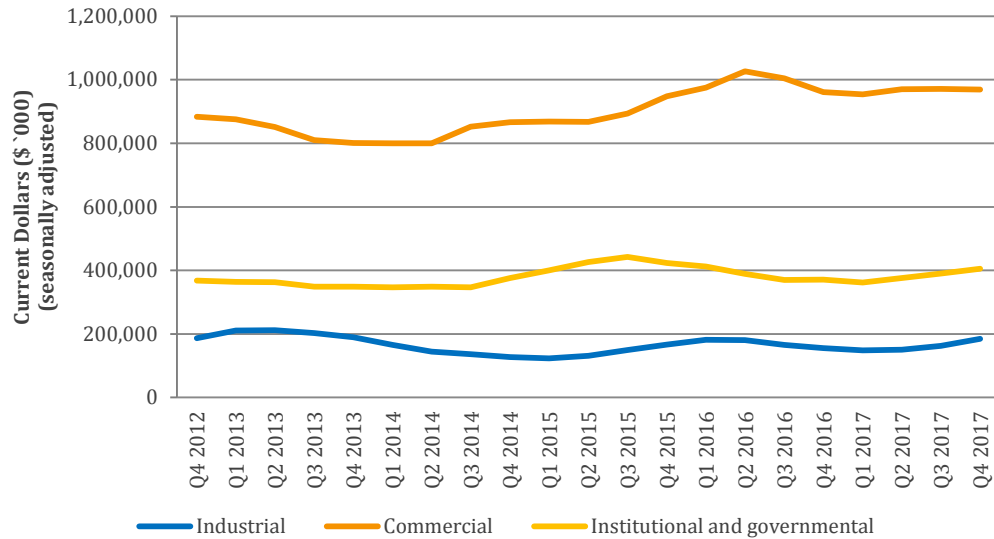


Source: Statistics Canada

Both residential and non-residential building permits values were at a relatively high level at the end of 2017. This trend will likely be translated into strong construction activity in 2018.

BRITISH COLUMBIA'S ECONOMY

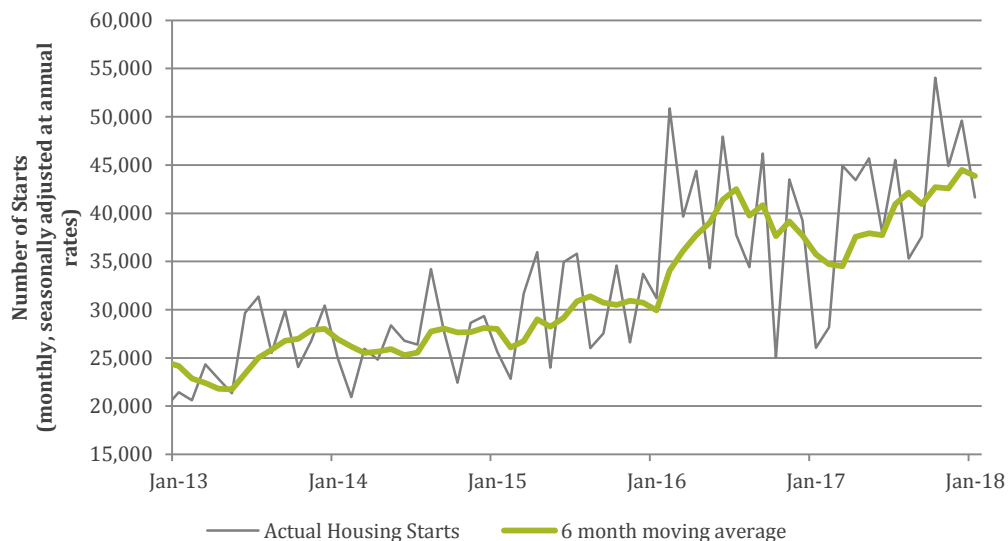
Exhibit 3.4 Investment in Non-Residential Building Construction



Source: BC Stats

Investment in non-residential buildings plateaued at elevated levels through out 2017. Investments in the fourth quarter rose 2.3 percent reaching \$1.6 B. The current level of non-residential investment is 2.3 percent below the 5-year peak occurred in second quarter of 2016.

Exhibit 3.5 B.C. Housing Starts



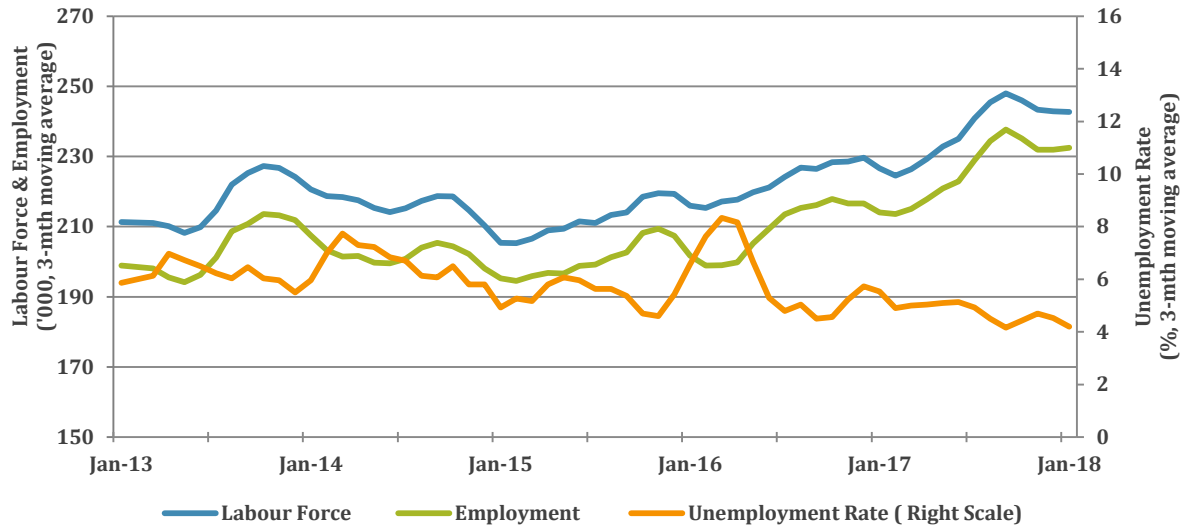
Source: Canada Mortgage and Housing Corporation (CMHC)

Note: All housing starts are the sum of the major centres with populations in excess of 10,000.

B.C.'s housing starts have been at elevated levels in the past two years. The six month moving average of housing starts slipped 1.5 percent in January 2018 but was still 22.7 percent above year-ago levels.

BRITISH COLUMBIA'S ECONOMY

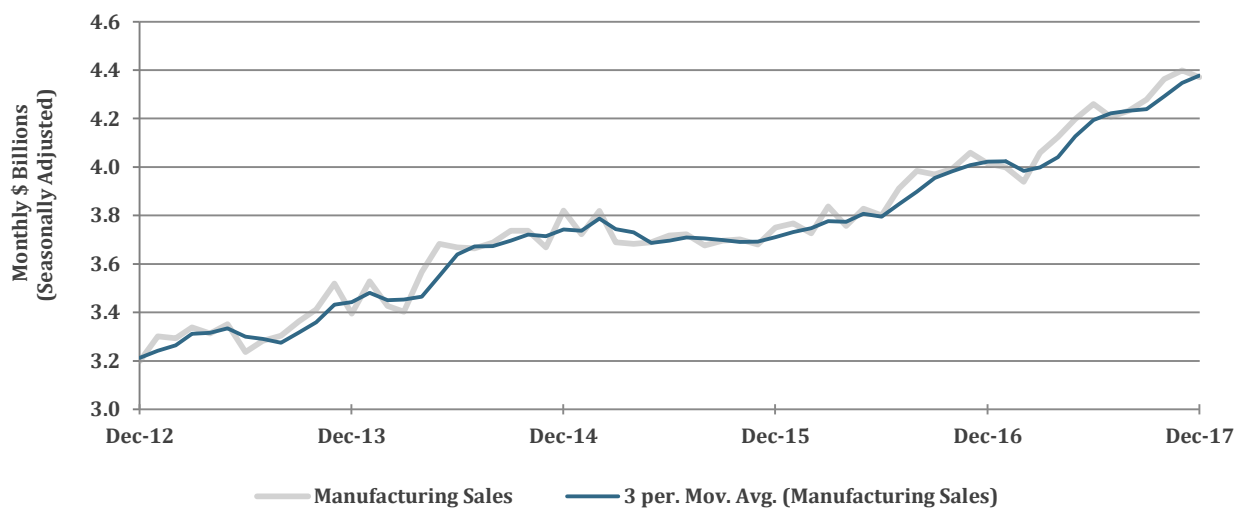
Exhibit 3.6 B.C. Construction Industry Employment



Source: Statistics Canada; North American Industry Classification System (NAICS 23), not seasonally adjusted

The B.C. labour market for the construction industry has been on a strong upswing in the last 18 months. Employment levels increased 8.6% from January 2017 to January 2018. The labour force increased by 7.1% during the same period. In January employment levels stepped up 0.3% while labour force dipped 0.1%. The unemployment rate in B.C.'s construction industry fell 0.3 percentage points in January to 4.2% – a 1.3 percentage point drop from January 2017.

Exhibit 3.7 Manufacturing Sales

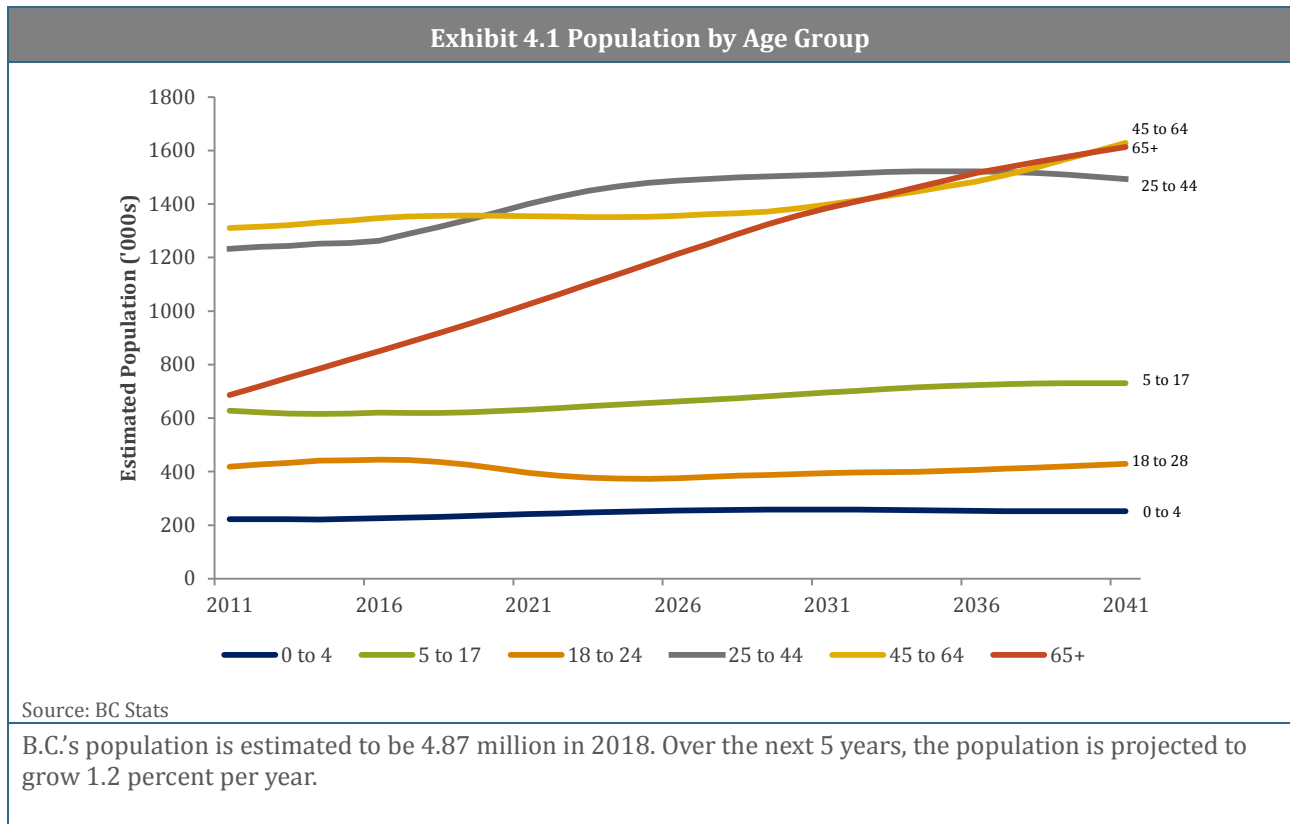


Source: Statistic Canada

B.C.'s manufacturing sales consistently grew during the past 5 year, reaching 4.3B in January 2018 – a 0.7% drop from December 2017 but was still 8.8% above a year-ago levels.

B.C. DEMOGRAPHICS

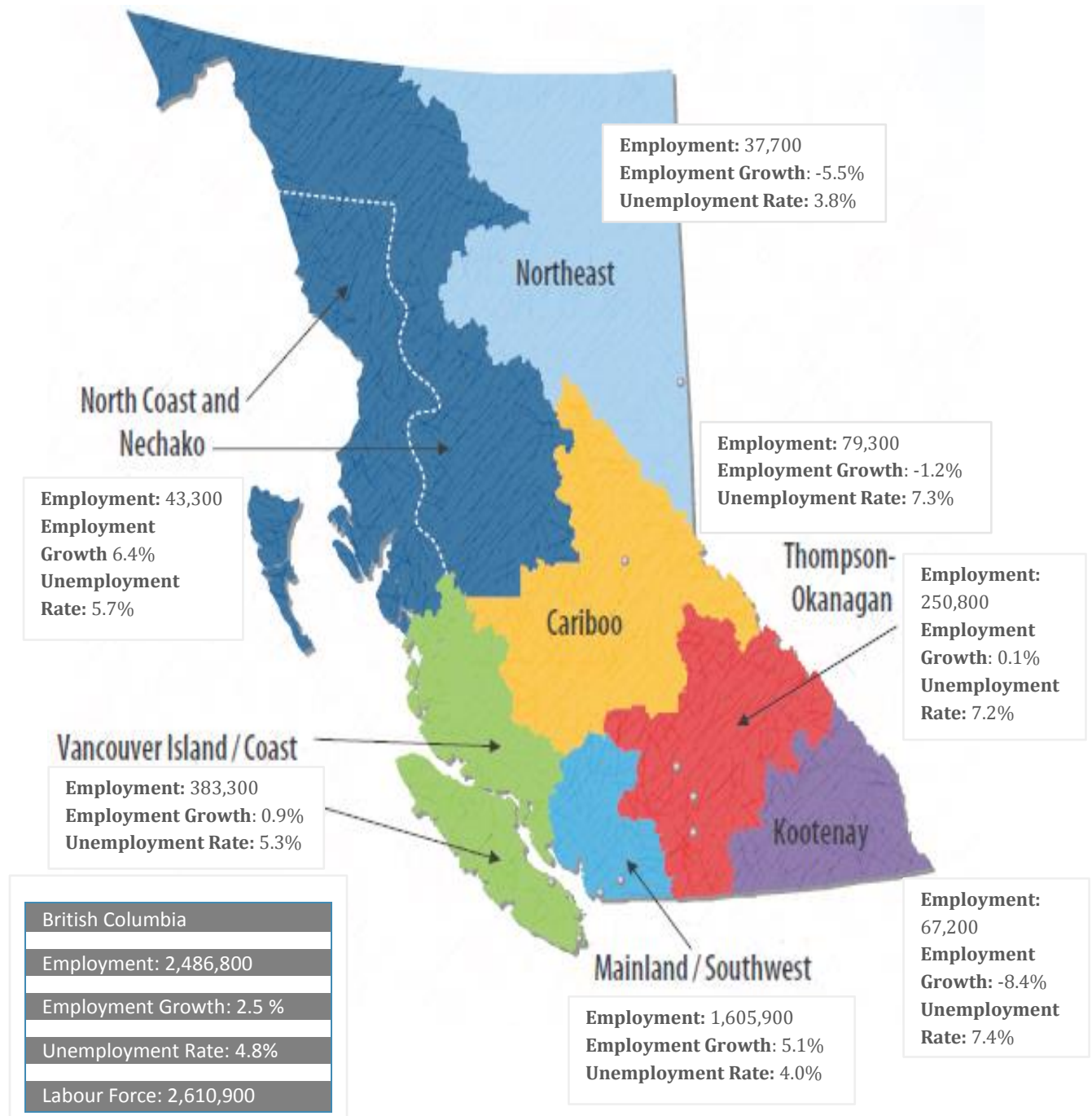
4. B.C. Demographics



REGIONAL SUMMARIES

5. Regional Summaries

Regional Labour Market Statistics – January 2018



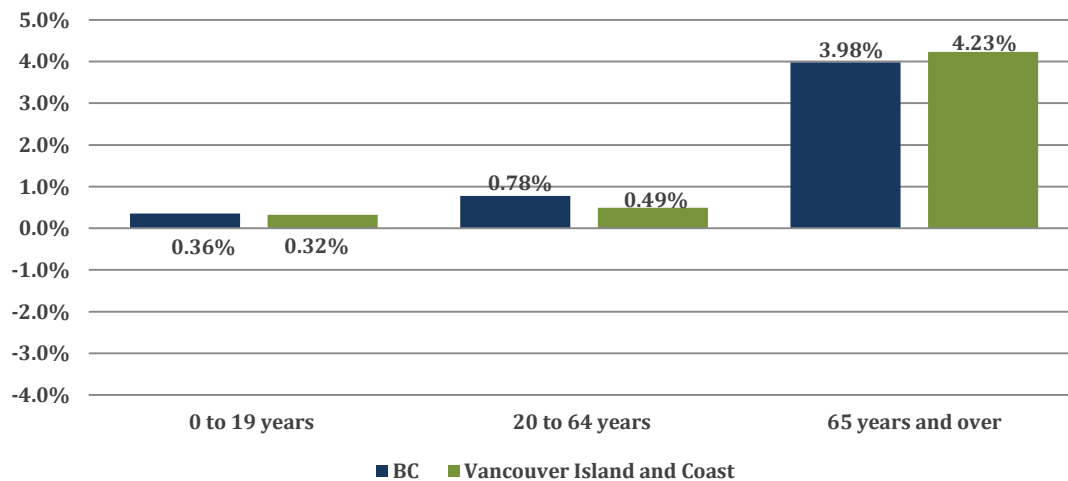
Note: Employment growth is over the previous 12 months. Data for B.C. at the provincial level are seasonally adjusted. Data for the regions are not seasonally adjusted and are 3-month moving averages. This means that the data at the provincial level are not directly comparable to the regional data, but the data for each region are directly comparable with the other regions. Source: Statistics Canada

VANCOUVER ISLAND/COAST REGION

6. Vancouver Island/Coast Region

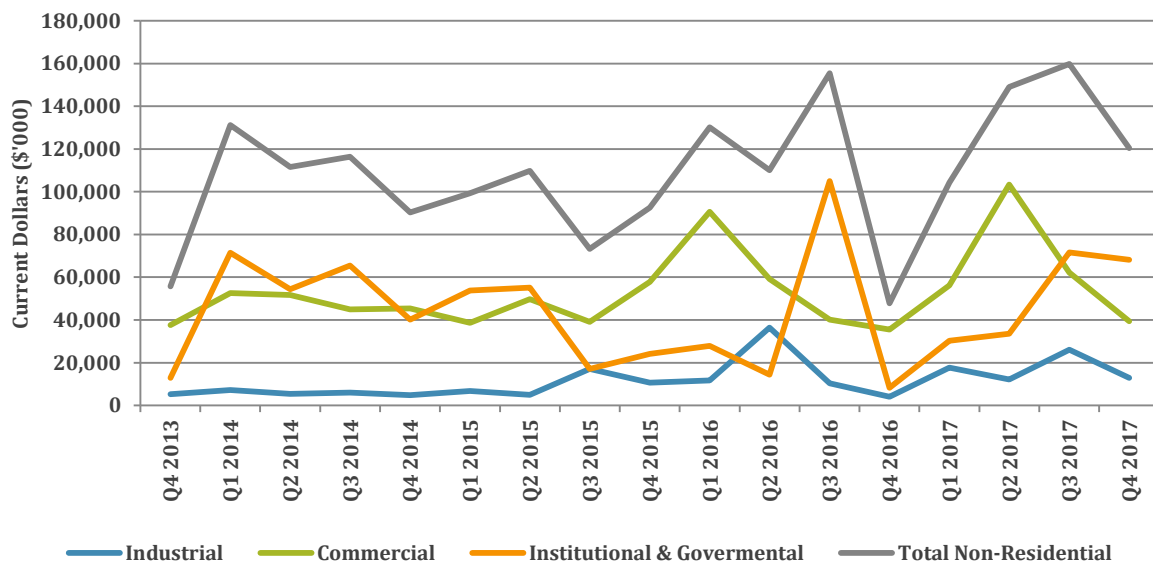
Key Economic Indicators

Exhibit 6.1 Population Growth 2015 - 2016



Source: BC Stats

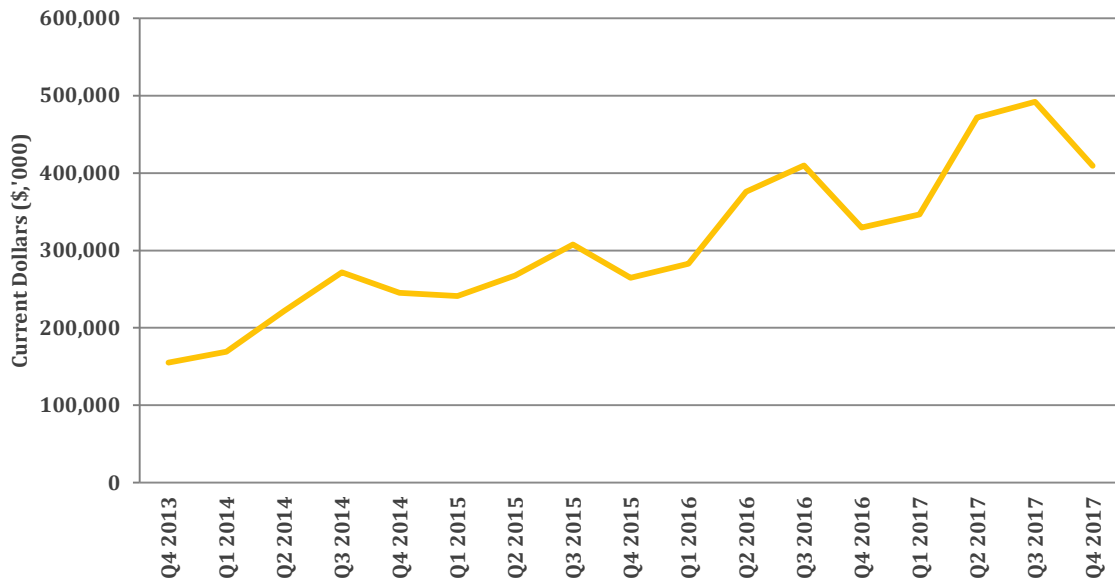
Exhibit 6.2 Value of Non-Residential Building Permits



Source: BC Stats

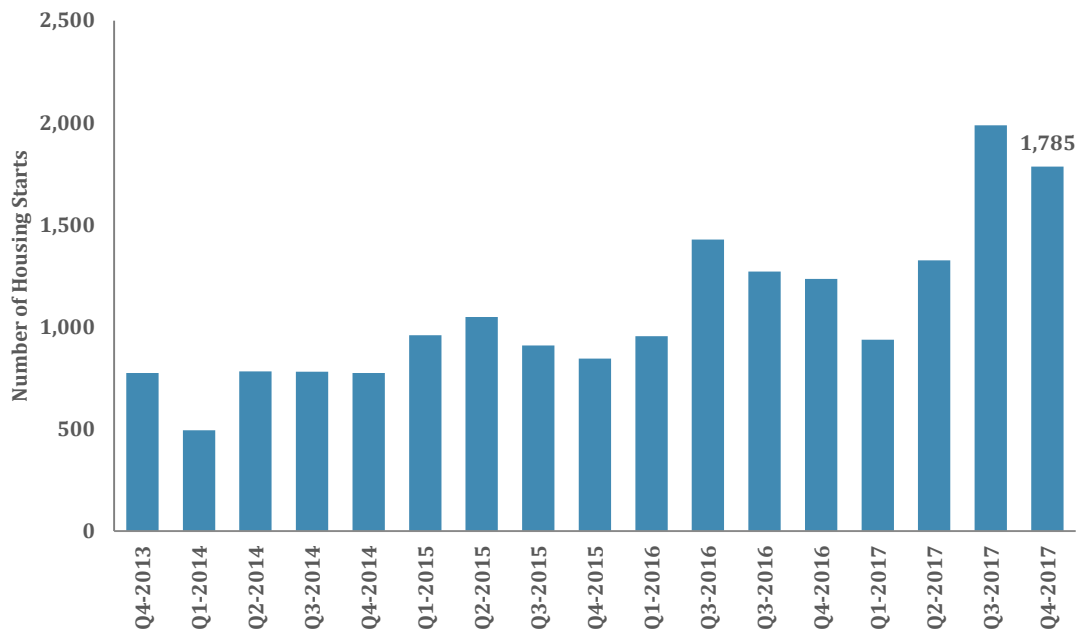
VANCOUVER ISLAND/COAST REGION

Exhibit 6.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 6.4 Housing Starts

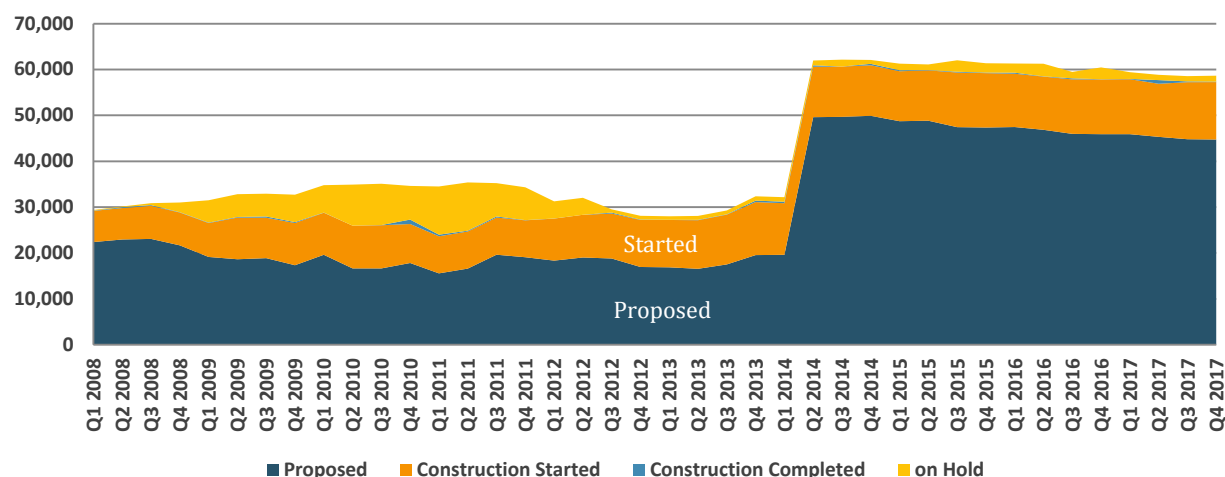


Source: CMHC

VANCOUVER ISLAND/COAST REGION

Trends in Major Projects

Exhibit 6.5 Estimated Cost Trends in Major Projects (\$ M)
Vancouver Island/Coast Region



- In Q4 2017, the Vancouver Island/Coast region has a total of 157 major projects with a combined value of \$58.6 B, representing a 0.2 percent increase over the previous quarter and a 3 percent drop compared to one year earlier.
- There are 11 newly proposed projects added to the MPI this quarter. The top three largest projects are Fort and Parc Apartments (\$38 M), 937 View Street Apartments (\$25 M), and Doral Forest Park (\$25 M). See more new projects in Appendix 1.
- Two major projects completed in this quarter: Sequoia Springs/Kingfisher Residential Project (\$80 M) and Sophia Residences (\$18 M).
- Five major projects began construction in this quarter with total capital costs of \$196 M. Brookes Westshore Private School (\$25) is expected to be completed in 2018. Vivid at the Yates (\$40 M), Tapestry Condominium Tower (\$25 M), and Nanaimo Sewage Plant Upgrades (\$86 M) are expected to be completed in 2019. Danbrook One (\$20 M) is expected to be completed in 2020.

Exhibit 6.6 Estimated Cost Trends in Major Projects, by Project Status (\$M)
Vancouver Island/Coast Region

Status	Q4 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	Change from the previous quarter	Change from the previous year
Proposed	45,895	45,898	45,313	44,800	44,733	-0.1%	-2.5%
Construction started	11,942	11,985	11,580	12,431	12,522	0.7%	4.9%
Completed	47	65	799	175	98	-44.0%	108.5%
On hold	2,571	1,471	1,148	1,148	1,298	13.1%	-49.5%
Total	60,455	59,419	58,840	58,554	58,651	0.2%	-3.0%

VANCOUVER ISLAND/COAST REGION

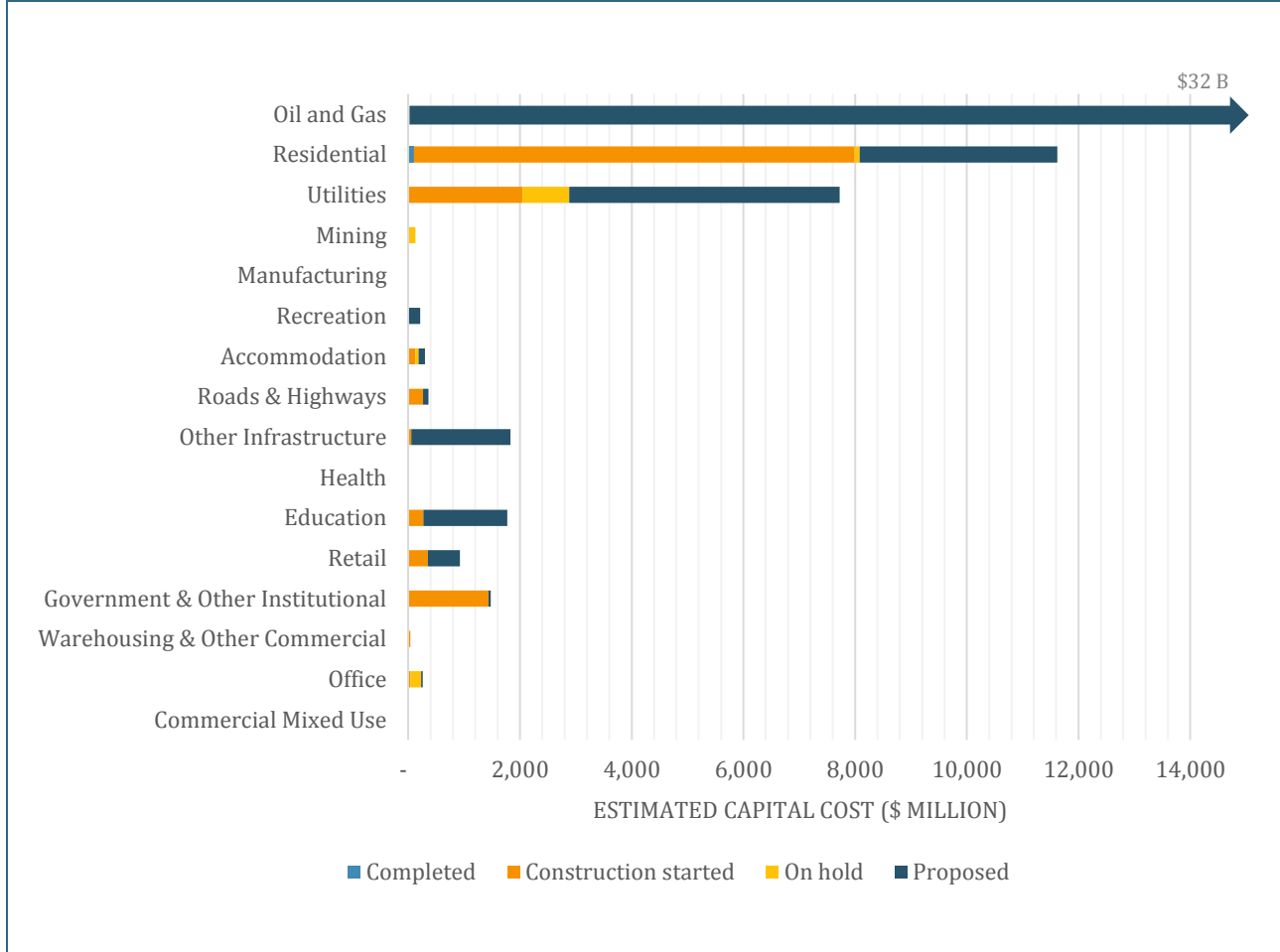
Exhibit 6.7 Summary of Major Projects (by Project Status)
Vancouver Island/Coast Region

	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	44,733	76%	77	630	5.4
Preliminary/Feasibility	32,074	72%	21	1,782	4.1
Consultation/Approvals	10,410	23%	36	315	6.2
Permitting	703	2%	7	100	3.2
Tender/Preconstruction	1,296	3%	9	144	5.0
Stage Unknown	250	1%	4	63	9.9
On Hold	1,298	2%	11	118	11.7
Construction Started	1,298	100%	11	118	11.7
Completed	12,522	21%	66	196	6.8
Total	58,651	100%	156	396	6.8

Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

VANCOUVER ISLAND/COAST REGION

Exhibit 6.8 Major Projects Status, by Construction Subtype
Vancouver Island/Coast Region

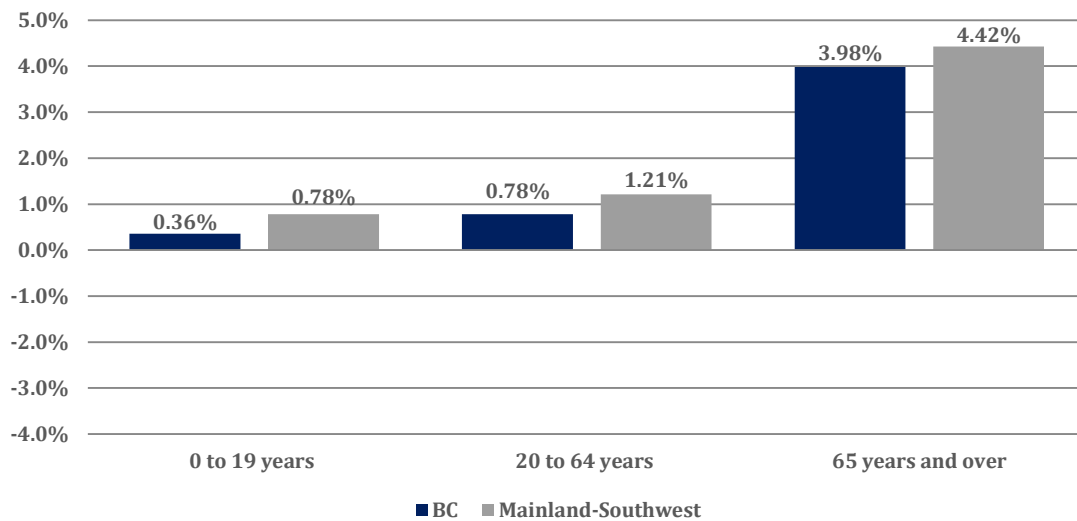


MAINLAND/SOUTHWEST REGION

7. Mainland/Southwest Region

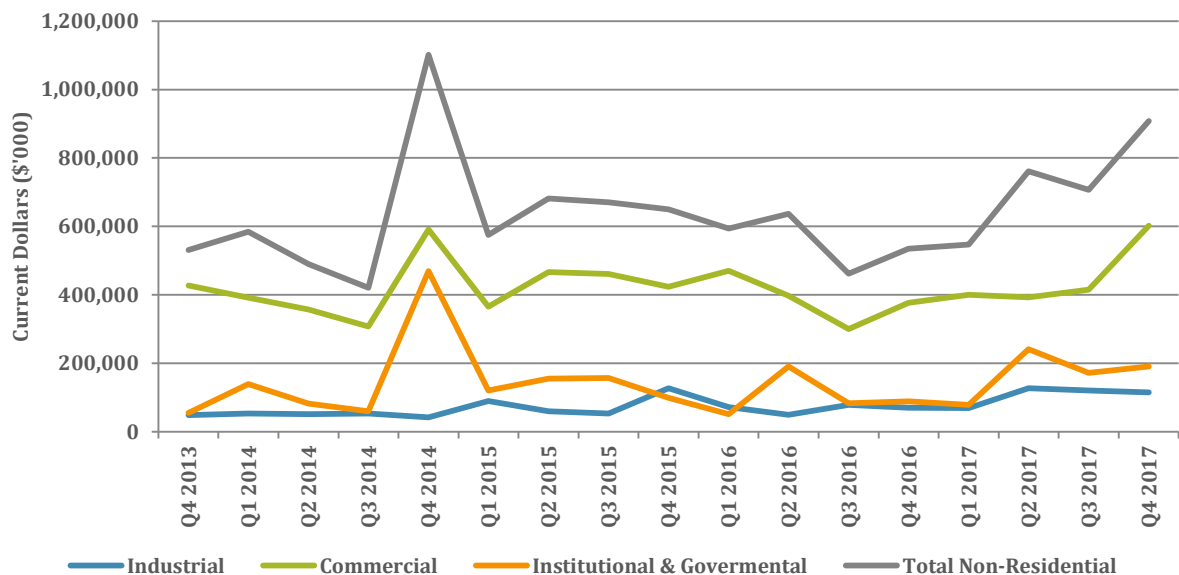
Key Economic Indicators

Exhibit 7.1 Population Growth 2015 - 2016



Source: BC Stats

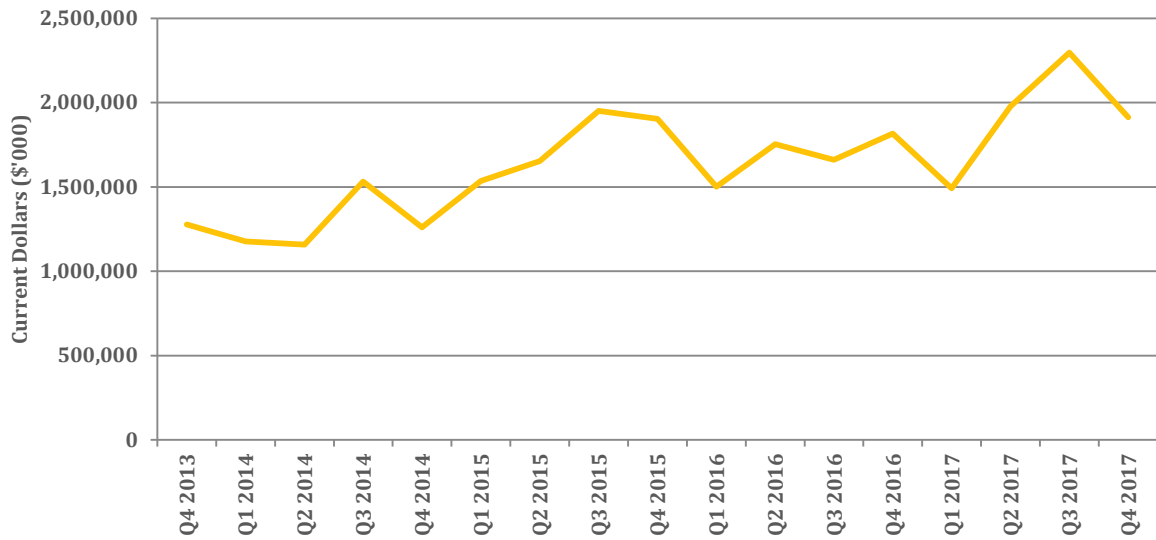
Exhibit 7.2 Value of Non-Residential Building Permits



Source: BC Stats

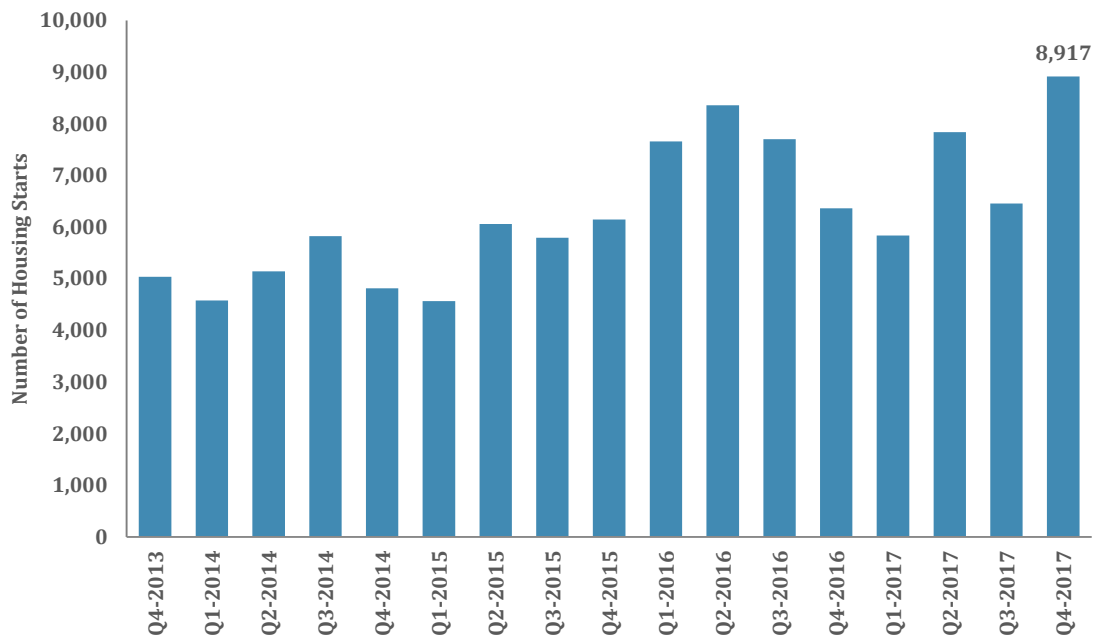
MAINLAND/SOUTHWEST REGION

Exhibit 7.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 7.4 Housing Starts

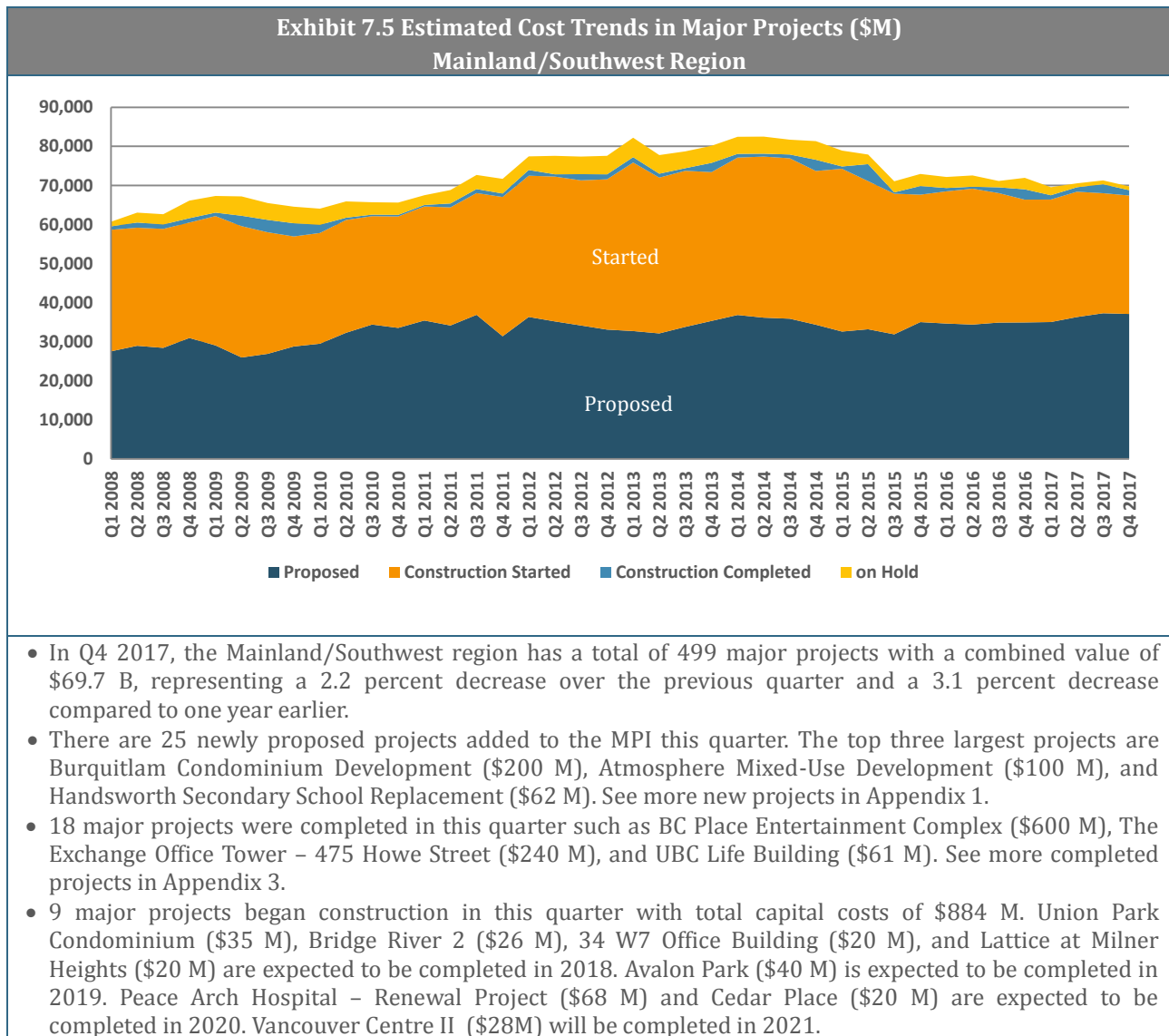


Source: CMHC

Note: The housing starts are the sum of the major centres Abbotsford-Mission, Chilliwack, Squamish, and Vancouver.

MAINLAND/SOUTHWEST REGION

Trends in Major Projects



MAINLAND/SOUTHWEST REGION

Exhibit 7.6 Estimated Cost Trends in Major Projects, by Project Status (\$ M)
Mainland/Southwest Region

Status	Q4 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	Change from the previous quarter	Change from the previous year
Proposed	34,923	35,019	36,303	37,267	37,088	-0.5%	6.2%
Construction started	31,435	31,367	32,086	30,737	30,324	-1.3%	-3.5%
Completed	2,638	1,099	1,137	2,285	1,364	-40.3%	-48.3%
On hold	2,941	2,056	1,007	992	952	-4.0%	-67.6%
Total	71,937	69,541	70,533	71,281	69,728	-2.2%	-3.1%

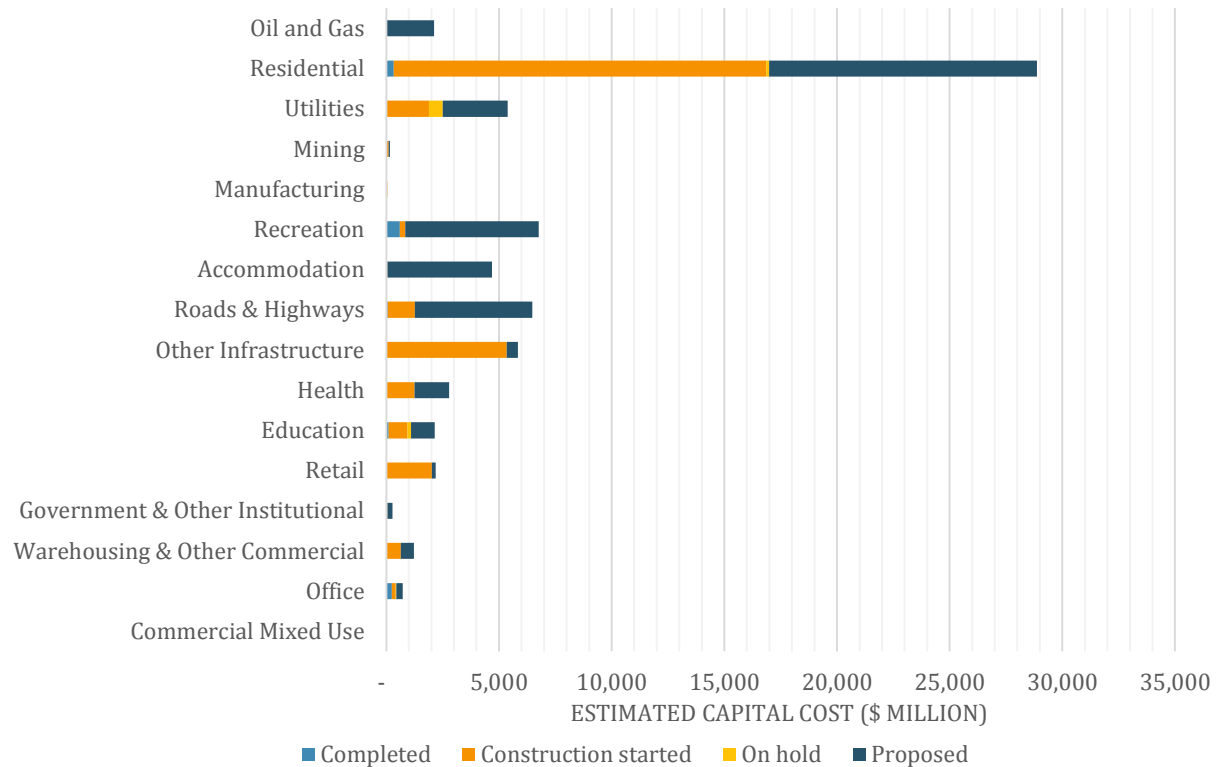
Exhibit 7.7 Summary of Major Projects (by Project Status)
Mainland/Southwest Region

	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	37,088	53%	279	155	3.7
Preliminary/Feasibility	5,452	15%	61	116	3.3
Consultation/Approvals	15,428	42%	115	153	4.3
Permitting	2,281	6%	25	104	2.3
Tender/Preconstruction	4,748	13%	58	91	2.3
Stage Unknown	9,179	25%	20	510	7.4
On Hold	952	1%	11	95	9.5
Construction Started	30,324	43%	191	160	5.2
Completed	1,364	2%	18	76	4.4
Total	69,728	100%	499	152	4.4

Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

MAINLAND/SOUTHWEST REGION

**Exhibit 7.8 Major Projects Status, by Construction Subtype
Mainland/Southwest Region**

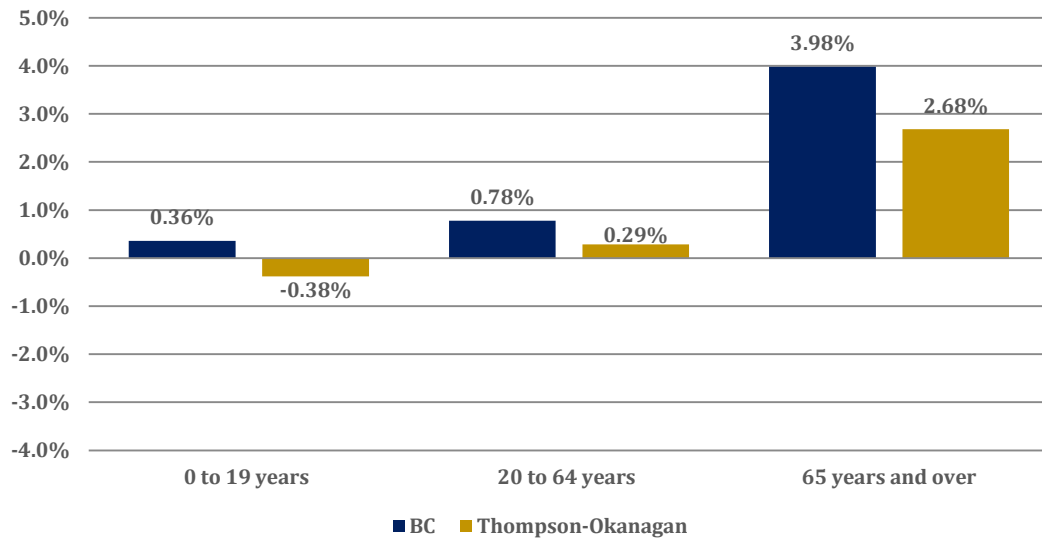


THOMPSON - OKANAGAN REGION

8. Thompson - Okanagan Region

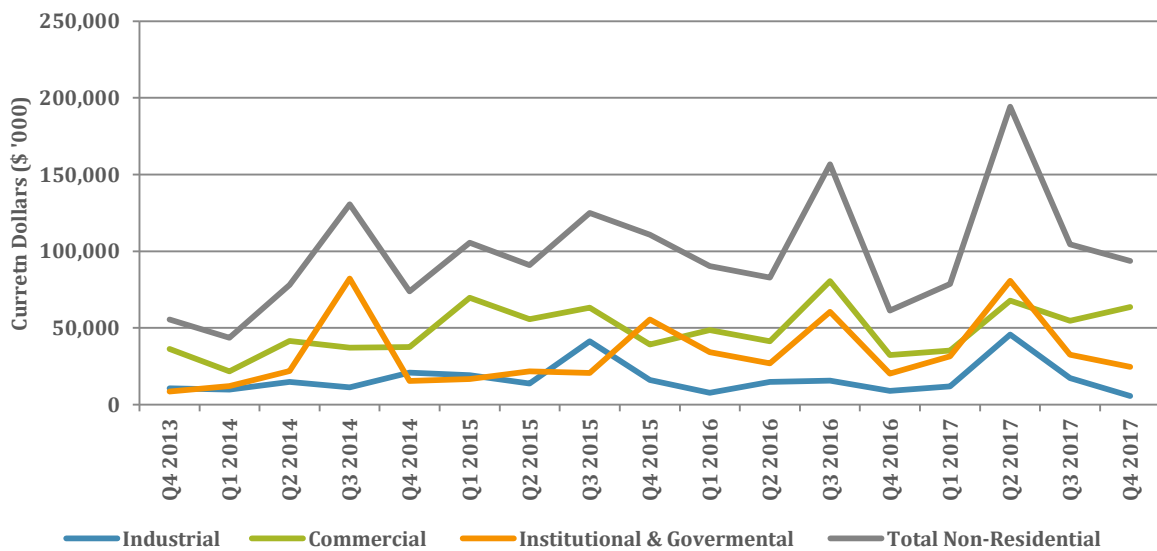
Key Economic Indicators

Exhibit 8.1 Population Growth 2015 - 2016



Source: BC Stats

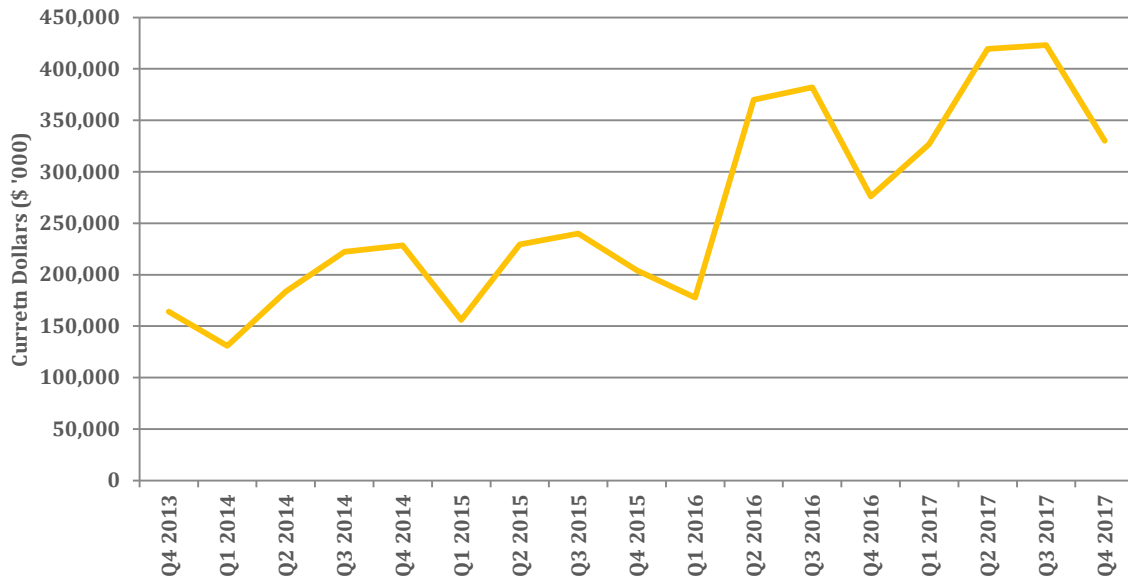
Exhibit 8.2 Value of Non-Residential Building Permits



Source: BC Stats

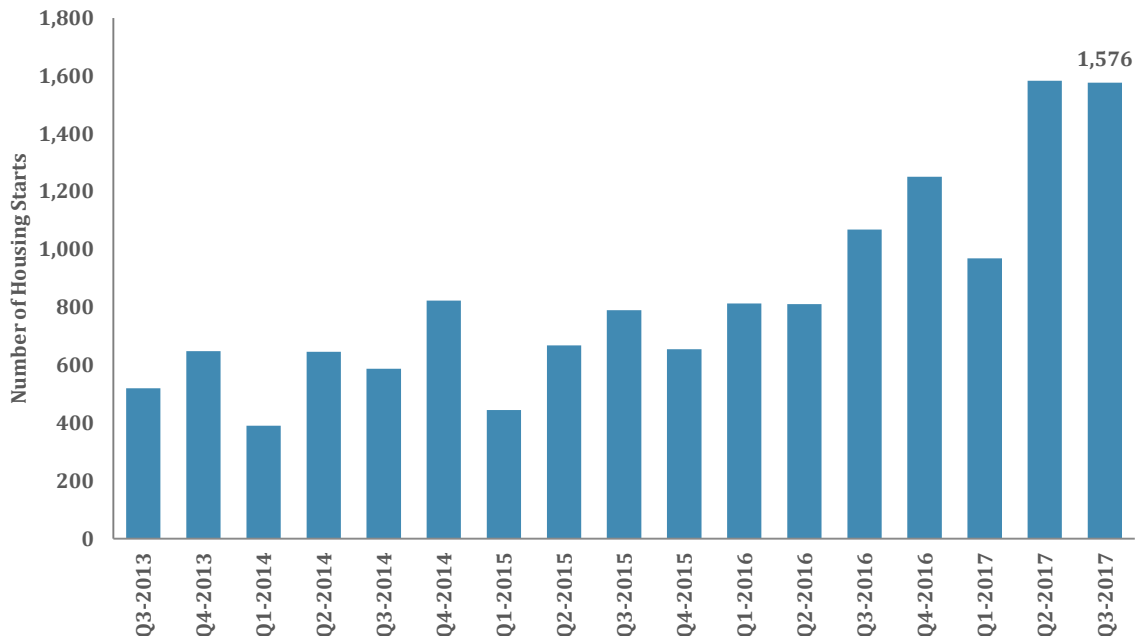
THOMPSON - OKANAGAN REGION

Exhibit 8.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 8.4 Housing Starts



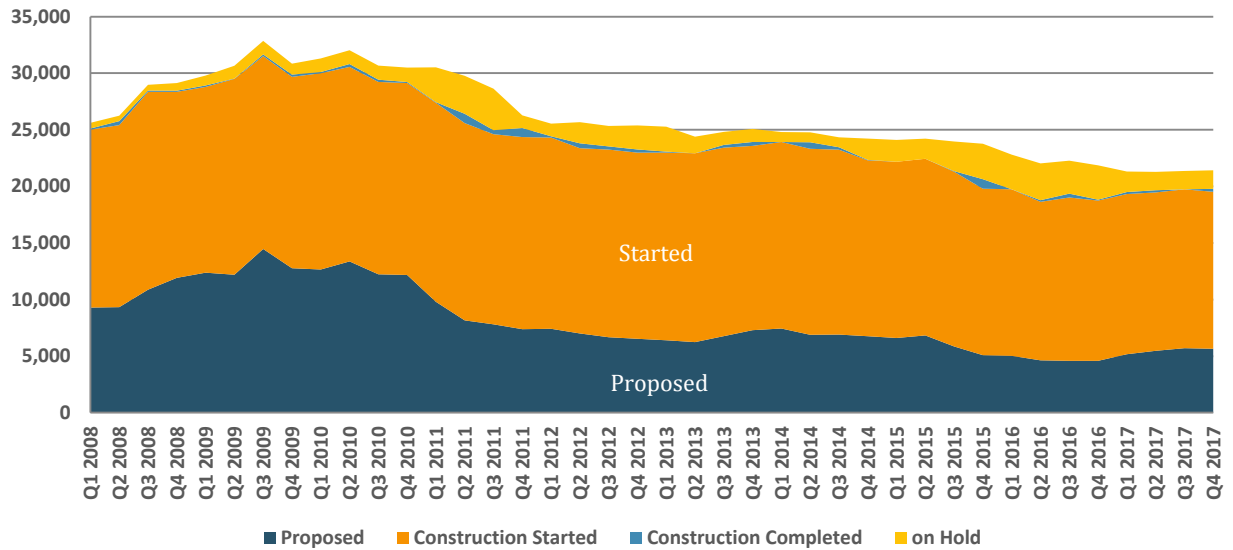
Source: CMHC

Note: The housing starts are the sum of the major centres: Cranbrook, Kamloops, Kelowna, Penticton, Salmon Arm, Summerland, and Vernon.

THOMPSON - OKANAGAN REGION

Trends in Major Projects

Exhibit 8.5 Estimated Cost Trends in Major Projects (\$M)
Thompson-Okanagan Region



- In Q4 2017, the Thompson-Okanagan region has a total of 108 major projects with a combined value of \$21.4 B, representing a 0.3 percent increase over the previous quarter and a 2 percent drop compared to one year earlier.
- Both Granite at McKinley Beach (\$20 M) and Dilworth Industrial Park (\$15 M) started construction this quarter and are expected to be completed in 2018.
- Merritt Green Energy Project (\$235 M) and Cascades Casino Penticton (\$25 M) have been completed in this quarter.
- Coldstream Commercial complex (\$15 M) has been placed on hold in this quarter.

Exhibit 8.6 Estimated Cost Trends in Major Projects, by Project Status (\$ M)
Thompson-Okanagan Region

Status	Q4 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	Change from the previous quarter	Change from the previous year
Proposed	4,586	5,170	5,471	5,703	5,653	-0.9%	23.3%
Construction started	14,161	14,154	13,997	14,038	13,872	-1.2%	-2.0%
Completed	81	177	194	0	260	-	221.0%
On hold	3,032	1,812	1,622	1,622	1,637	0.9%	-46.0%
Total	21,860	21,313	21,284	21,363	21,422	0.3%	-2.0%

THOMPSON - OKANAGAN REGION

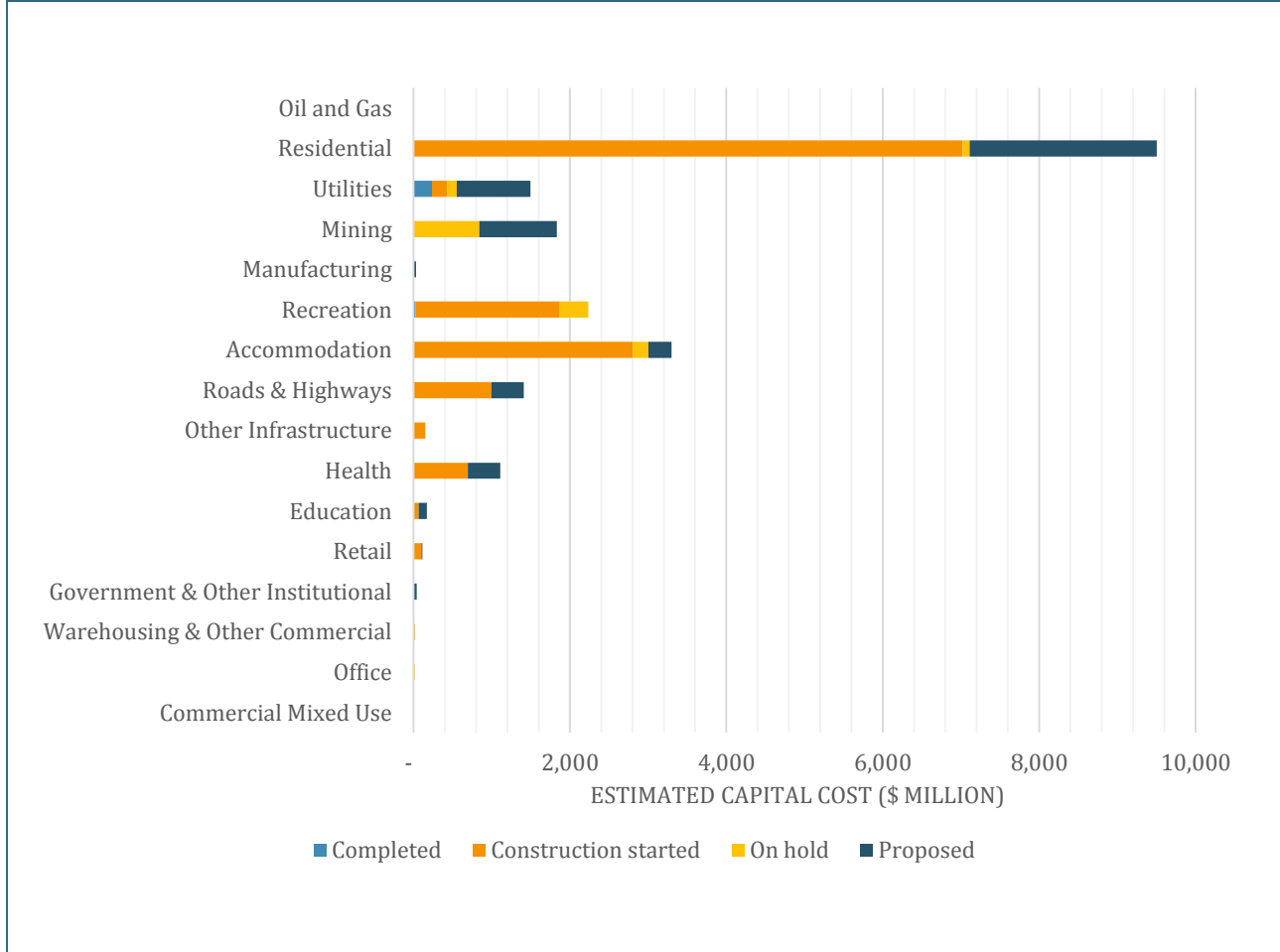
Exhibit 8.7 Summary of Major Projects (by Project Status)
Thompson-Okanagan Region

	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	5,653	26%	46	135	5.7
Preliminary/Feasibility	374	7%	12	42	4.4
Consultation/Approvals	3,876	69%	20	194	7.0
Permitting	264	5%	3	88	6.0
Tender/Preconstruction	888	16%	6	148	4.2
Stage Unknown	251	4%	5	63	5.7
On Hold	1,637	8%	9	182	12.4
Construction Started	13,872	65%	51	277	8.9
Completed	260	1%	2	130	5.0
Total	21,422	100%	108	208	7.8

Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

THOMPSON - OKANAGAN REGION

**Exhibit 8.8 Major Projects Status, by Construction Subtype
Thompson-Okanagan Region**

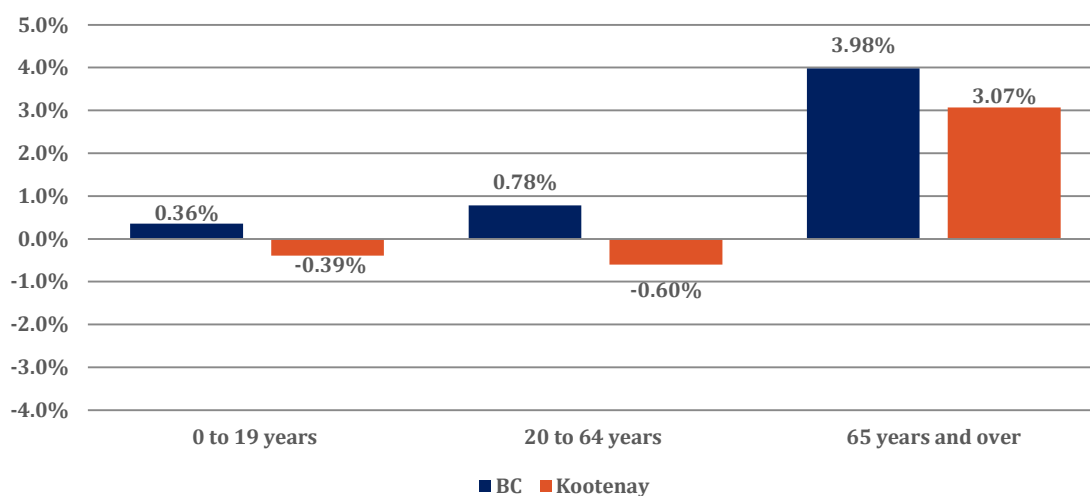


KOOTENAY REGION

9. Kootenay Region

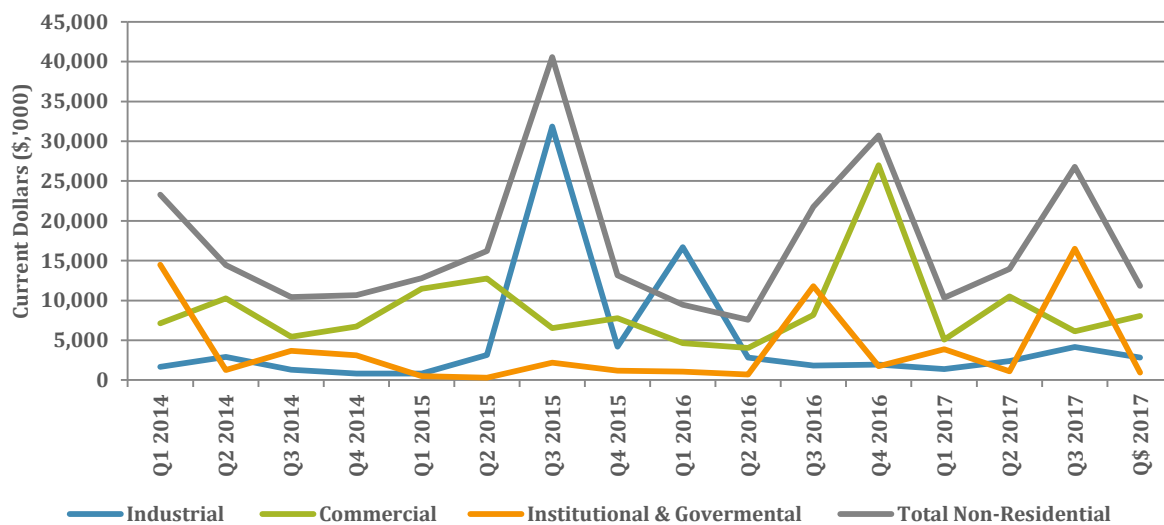
Key Economic Indicators

Exhibit 9.1 Population Growth 2015 - 2016



Source: BC Stats

Exhibit 9.2 Value of Non-Residential Building Permits



Source: BC Stats

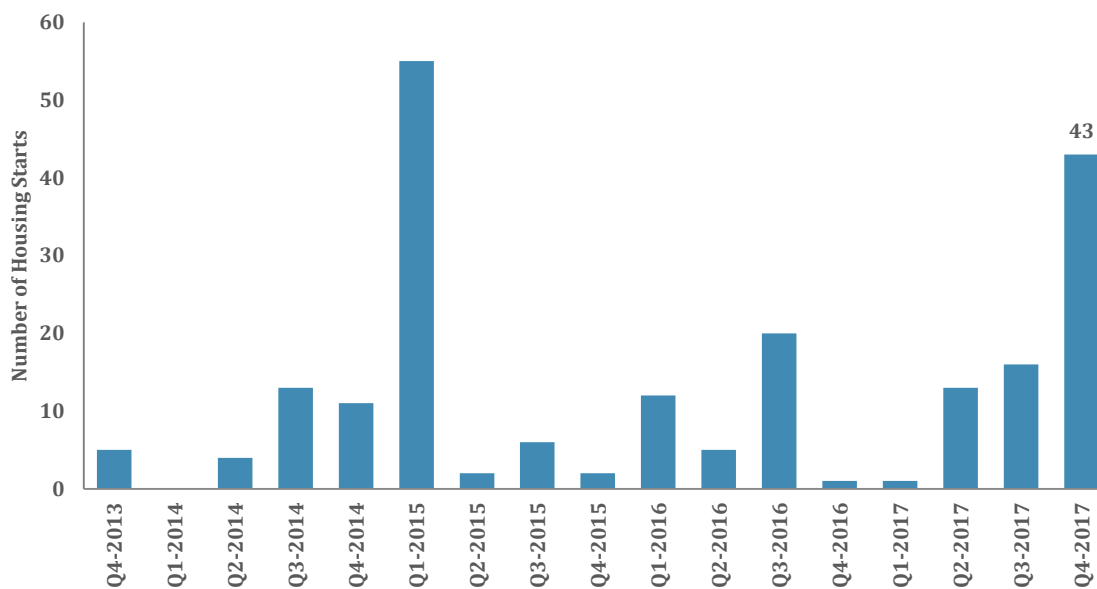
KOOTENAY REGION

Exhibit 9.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 9.4 Housing Starts - Nelson

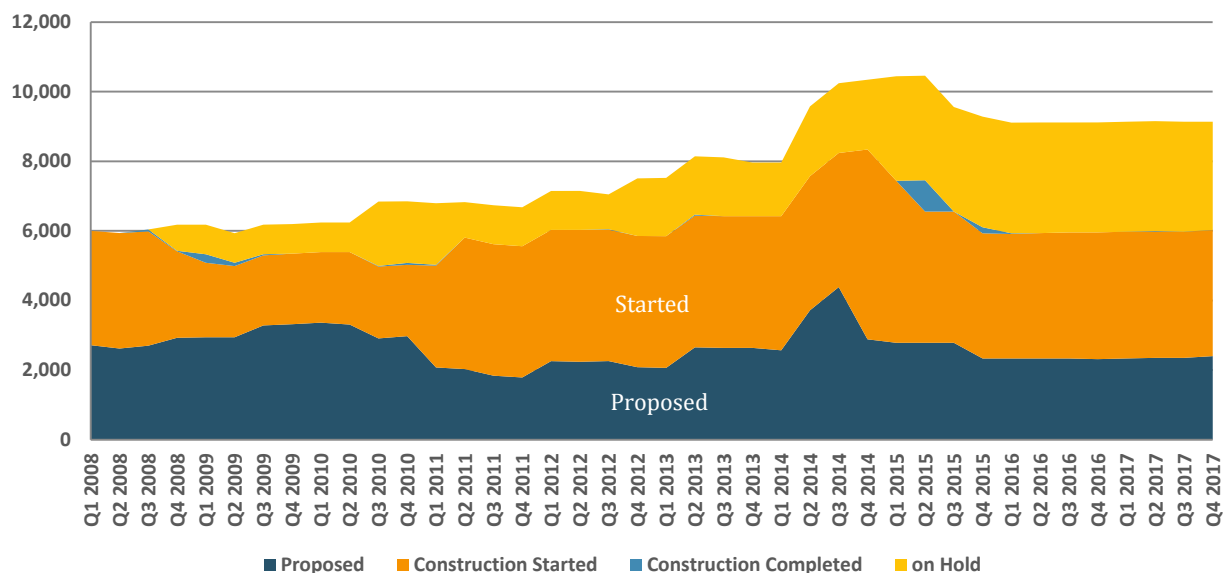


Source: CMHC

KOOTENAY REGION

Trends in Major Projects

Exhibit 9.5 Estimated Cost Trends in Major Projects (\$M)
Kootenay Region



In Q4 2017, the Kootenay region had a total of 30 major projects with a combined value of \$9.1 B, representing 0.2 percent increase compared to one year earlier but remained relatively unchanged compared to the previous quarter. Fosthall Creek Hydropower Project (\$50 M) has been moved from on Hold to Proposed in this quarter.

Exhibit 9.6 Estimated Cost Trends in Major Projects, by Project Status (\$M)
Kootenay Region

Status	Q4 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	Change from the previous quarter	Change from the previous year
Proposed	2,312	2,332	2,349	2,349	2,399	2.1%	3.8%
Construction started	3,643	3,643	3,627	3,626	3,626	0.0%	-0.5%
Completed	0	0	16	0	0	-	-
On hold	3,160	3,160	3,160	3,160	3,110	-1.6%	-1.6%
Total	9,115	9,135	9,152	9,135	9,135	0.0%	0.2%

KOOTENAY REGION

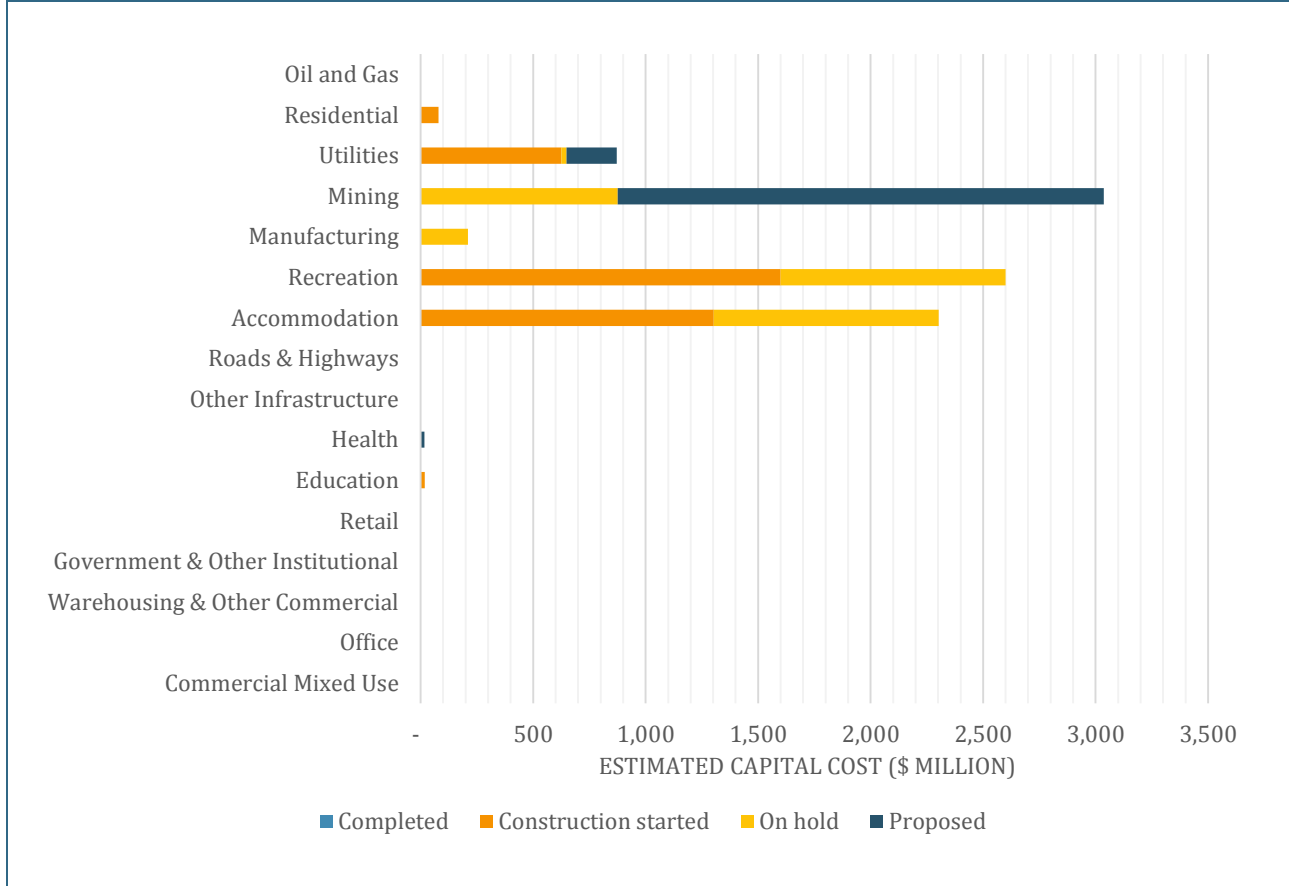
Exhibit 9.7 Summary of Major Projects (by Project Status)
Kootenay Region

	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	2,399	26%	9	343	5.3
Preliminary/Feasibility	0	0%	2	0	2.3
Consultation/Approvals	2,332	97%	5	466	6.8
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	17	1%	1	17	0.6
Stage Unknown	50	2%	1	50	8.1
On Hold	3,110	34%	6	518	11.1
Construction Started	3,626	40%	15	242	13.0
Completed	0	0%	0	0	0.0
Total	9,135	100%	30	326	10.3

Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

KOOTENAY REGION

Exhibit 9.8 Major Projects Status, by Construction Subtype
Kootenay Region

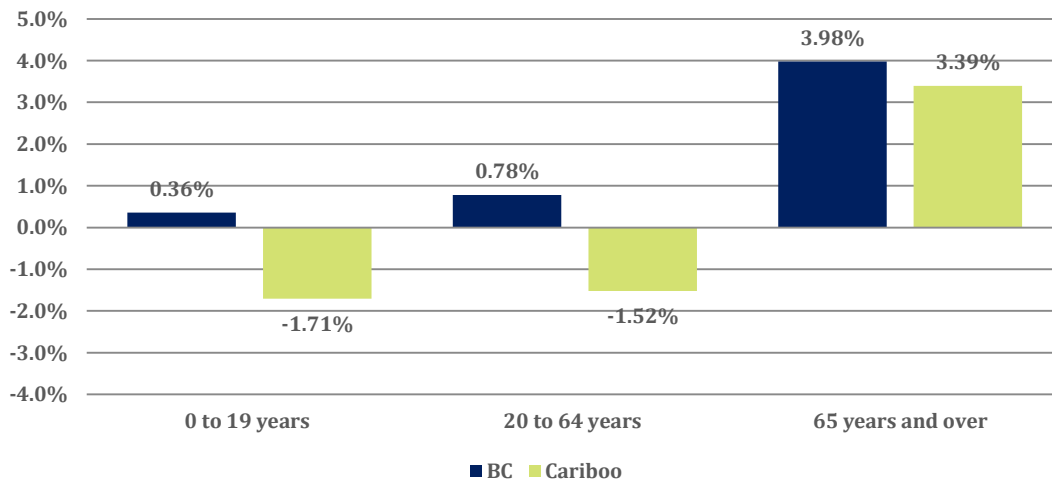


CARIBOO REGION

10. Cariboo Region

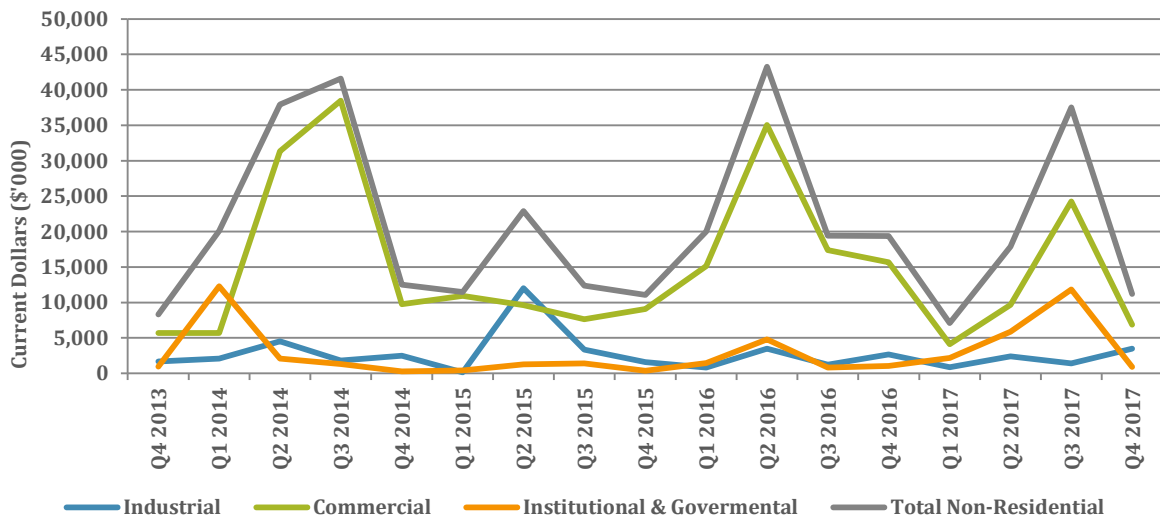
Key Economic Indicators

Exhibit 10.1 Population Growth 2015 - 2016



Source: BC Stats

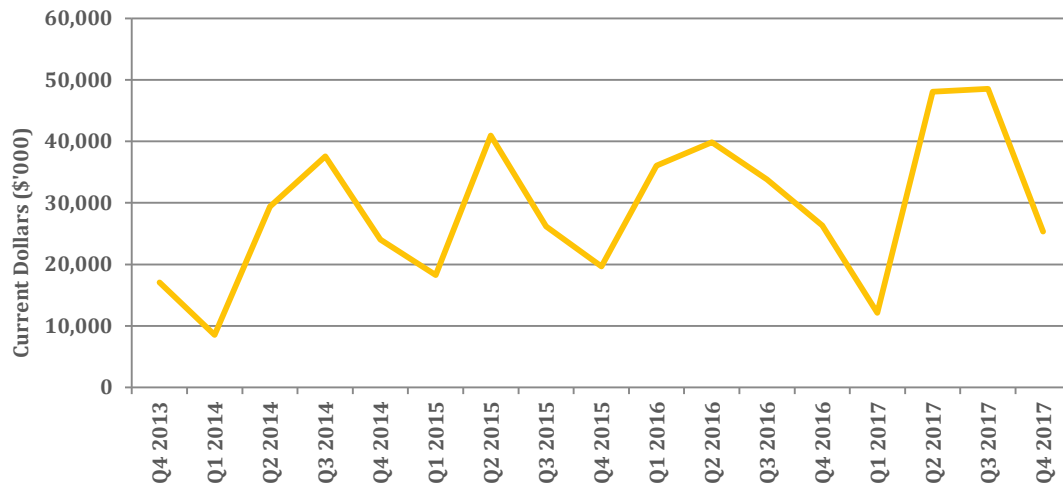
Exhibit 10.2 Value of Non-Residential Building Permits



Source: BC Stats

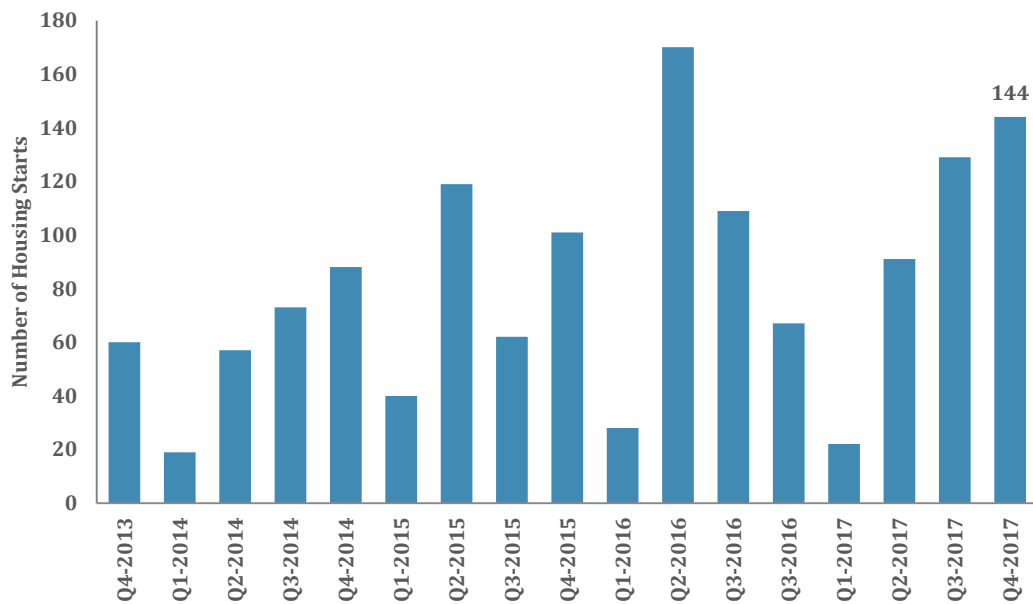
CARIBOO REGION

Exhibit 10.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 10.4 Housing Starts



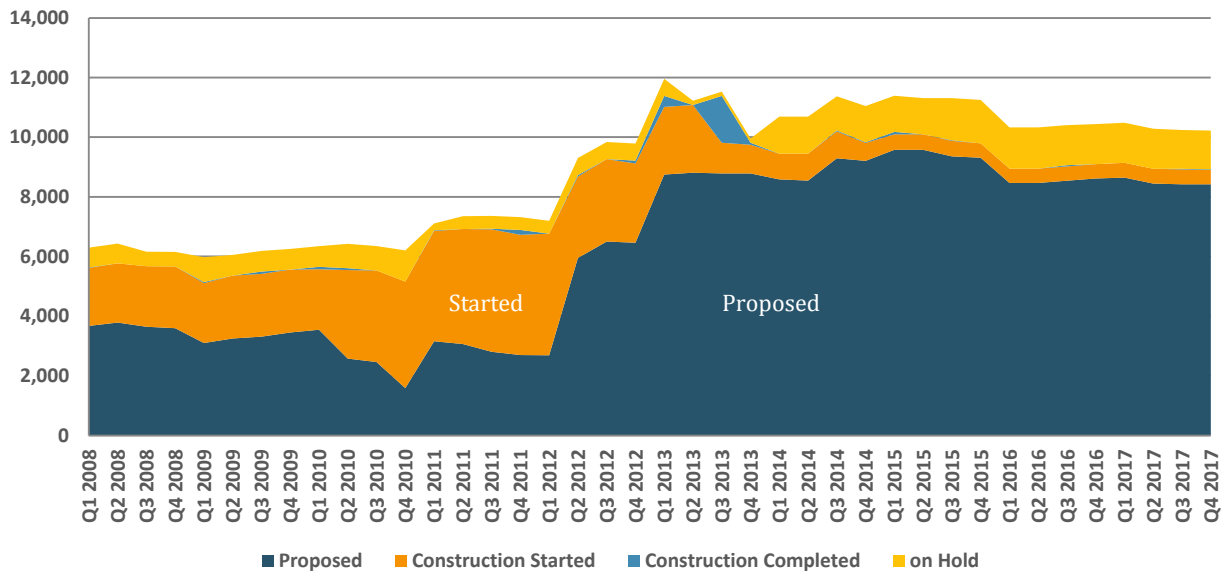
Source: CMHC

Note: The housing starts are the sum of the major centres Prince George, Quesnel, and Williams Lake

CARIBOO REGION

Trends in Major Projects

Exhibit 10.5 Estimated Cost Trends in Major Projects (\$ M)
Cariboo Region



- In Q4 2017, the Cariboo region has a total of 28 major projects with a combined value of \$10.2 B, representing a 0.2 percent decrease over the previous quarter and a 2.1 percent decrease compared to one year earlier.
- North Cariboo Arena Replacement Project (\$ 21 M) has been completed this quarter.

Exhibit 10.6 Estimated Cost Trends in Major Projects, by Project Status (\$M)
Cariboo Region

Status	Q4 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	Change from the previous quarter	Change from the previous year
Proposed	8,617	8,646	8,446	8,422	8,422	0.0%	-2.3%
Construction started	481	496	496	500	479	-4.2%	-0.4%
Completed	0	0	0	20	21	5.0%	-
On hold	1,343	1,343	1,343	1,300	1,300	0.0%	-3.2%
Total	10,441	10,485	10,285	10,242	10,222	-0.2%	-2.1%

CARIBOO REGION

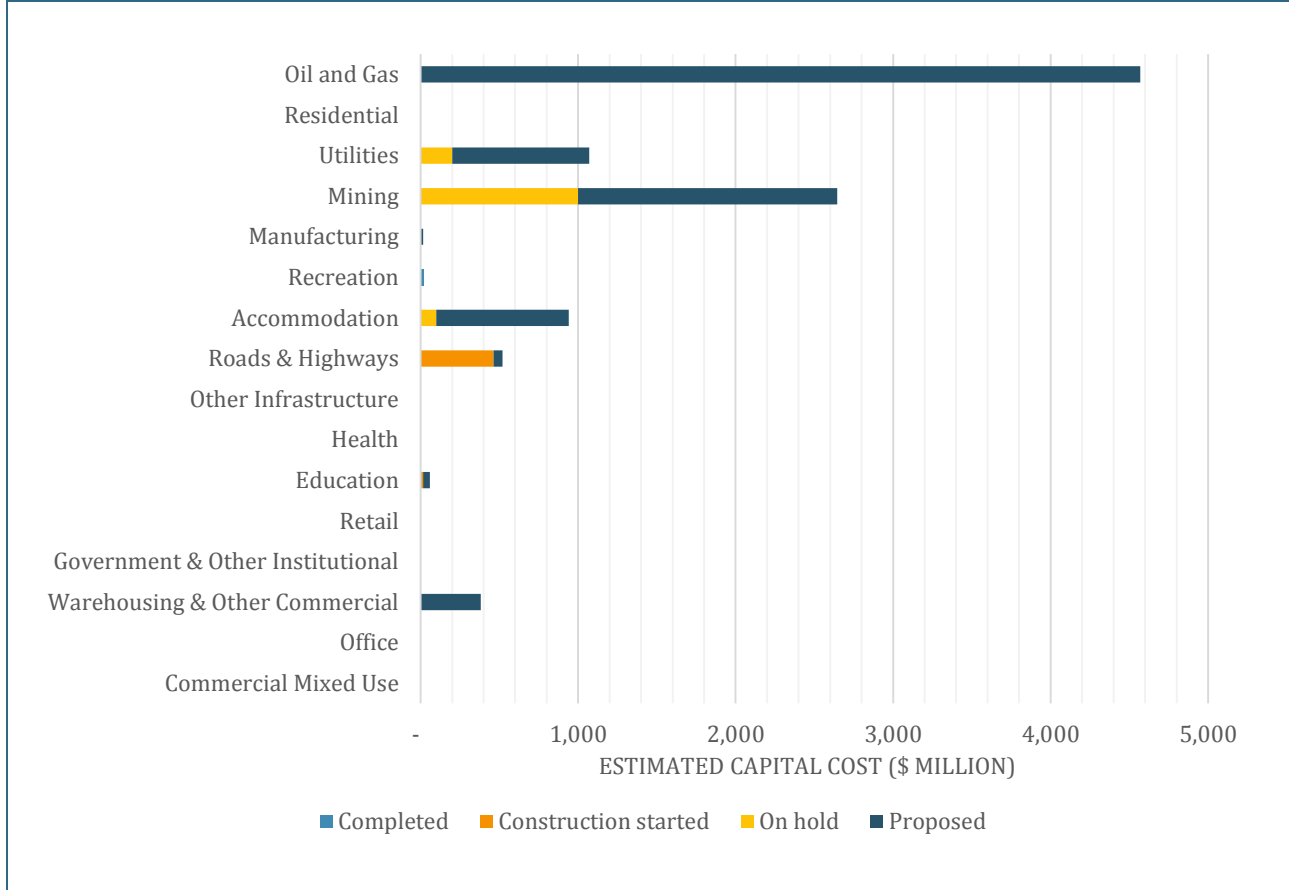
Exhibit 10.7 Summary of Major Projects (by Project Status)
Cariboo Region

	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	8,422	82%	21	443	6.5
Preliminary/Feasibility	1,692	20%	7	338	4.0
Consultation/Approvals	2,045	24%	7	292	6.8
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	4,592	55%	3	1,531	11.2
Stage Unknown	93	1%	4	23	6.9
On Hold	1,300	13%	3	433	15.8
Construction Started	479	5%	3	160	4.9
Completed	21	0%	1	21	10.1
Total	10,222	100%	28	393	7.5

Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

CARIBOO REGION

**Exhibit 10.8 Major Projects Status, by Construction Subtype
Cariboo Region**

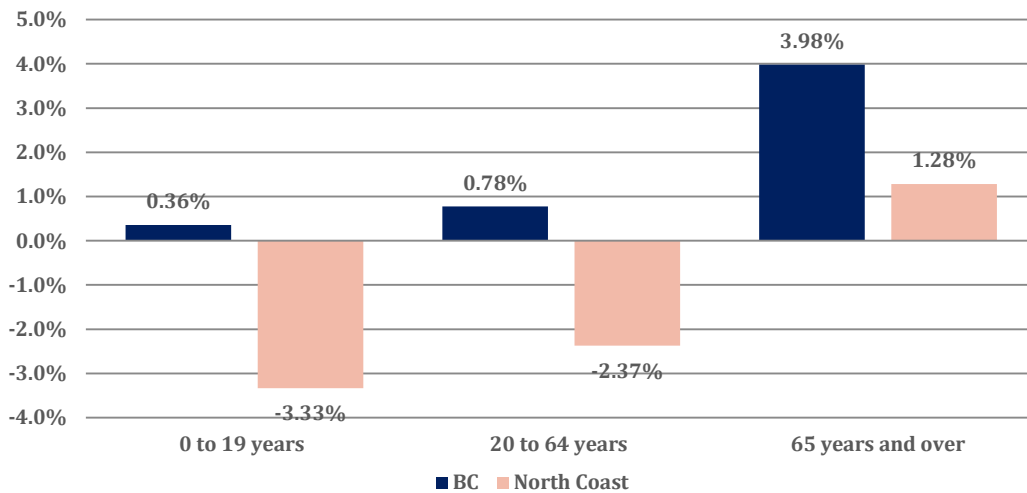


NORTH COAST REGION

11. North Coast Region

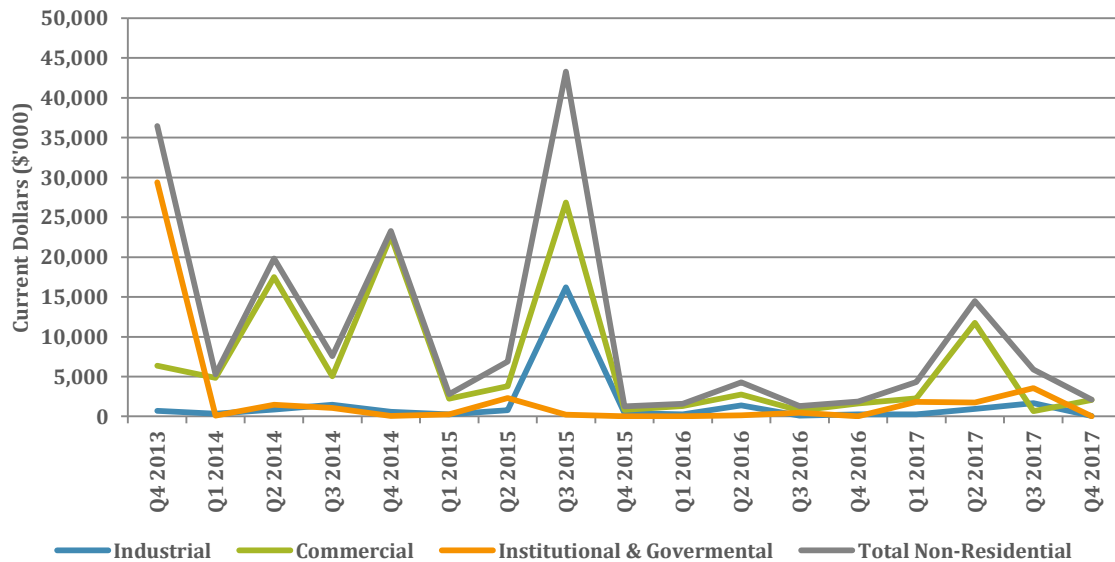
Key Economic Indicators

Exhibit 11.1 Population Growth 2015-2016



Source: BC Stats

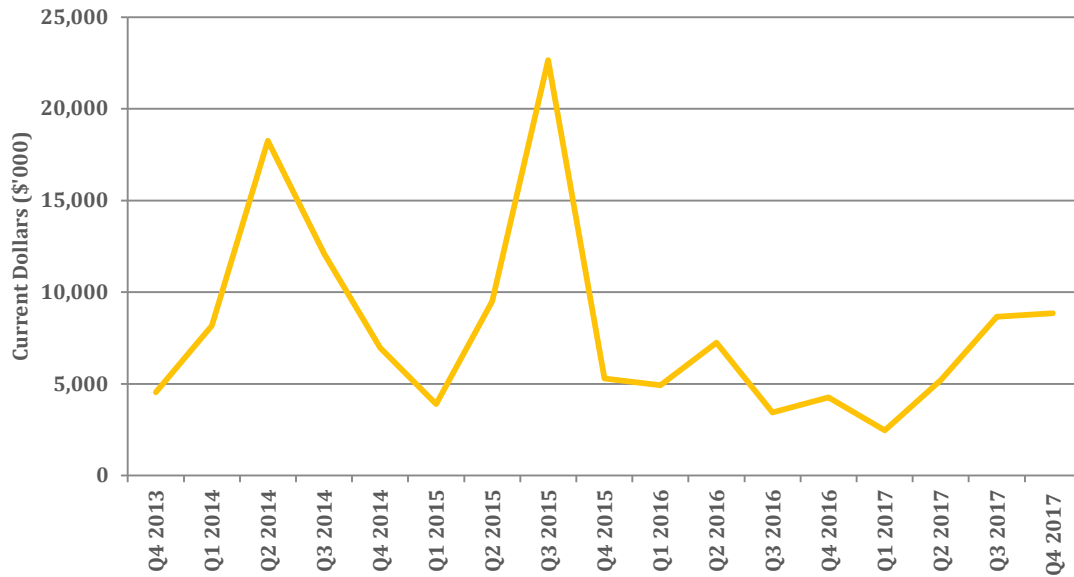
Exhibit 11.2 Value of Non-Residential Building Permits



Source: BC Stats

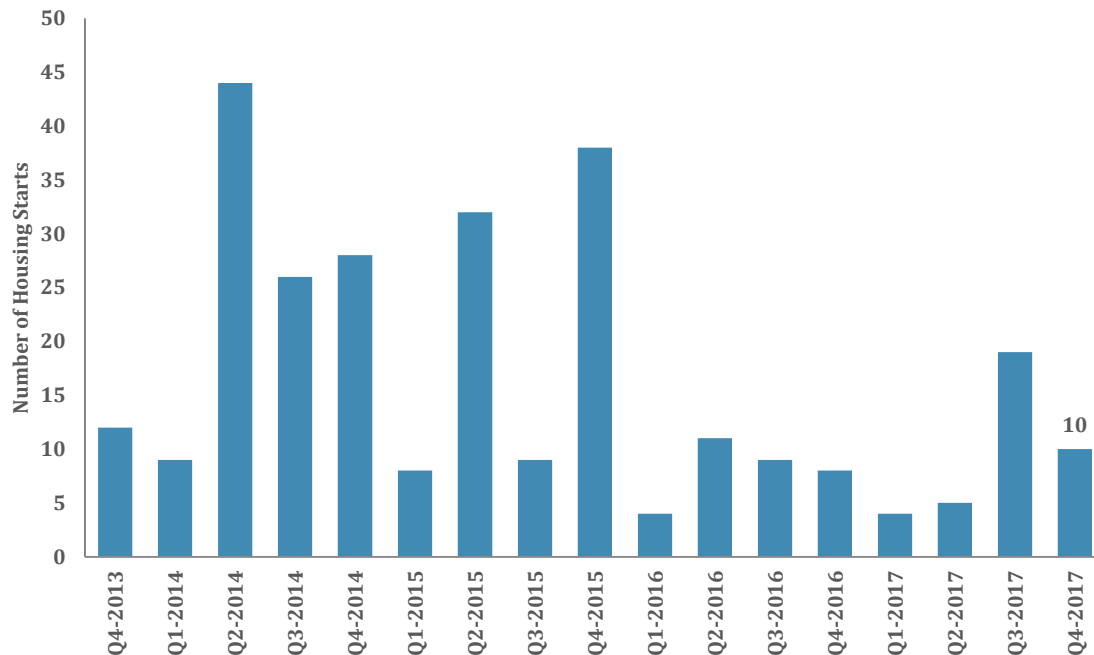
NORTH COAST REGION

Exhibit 11.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 11.4 Housing Starts – North Coast



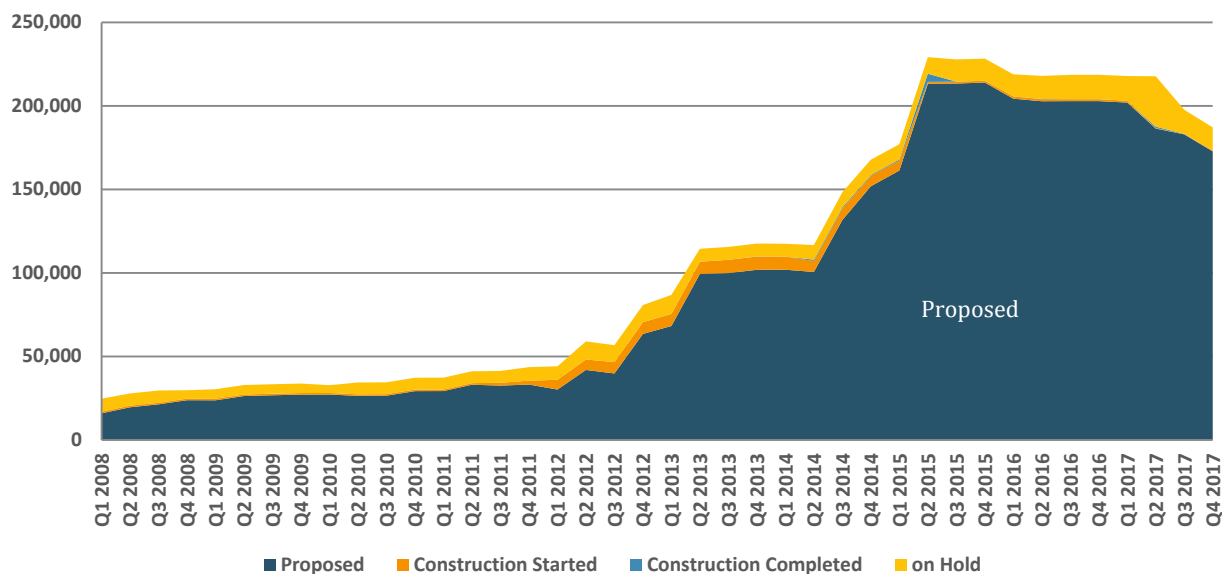
Source: CMHC

Note: The housing starts are the sum of the major centres Prince Rupert and Terrace.

NORTH COAST REGION

Trends in Major Projects

Exhibit 11.5 Estimated Cost Trends in Major Projects (\$M)
North Coast Region



- In Q4 2017, the North Coast region has a total of 57 major projects with a combined value of \$187.1 B, representing a 5.3 percent drop over the previous quarter and a 14.4 percent drop compared to one year earlier.
- Watson Island Propane Export Terminal (\$260 M) is a newly added proposed project in this quarter.
- Ridley Island Propane Export Terminal (\$475 M) started construction this quarter and is expected to be completed by Early 2019.

Exhibit 11.6 Estimated Cost Trends in Major Projects, by Project Status (\$M)
North Coast Region

Status	Q4 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	Change from the previous quarter	Change from the previous year
Proposed	202,800	201,926	186,374	182,874	172,684	-5.6%	-14.9%
Construction started	1,099	1,099	303	141	616	336.9%	-43.9%
Completed	70	0	811	200	0	-	-100.0%
On hold	14,572	14,797	30,197	14,397	13,797	-4.2%	-5.3%
Total	218,541	217,822	217,685	197,612	187,097	-5.3%	-14.4%

NORTH COAST REGION

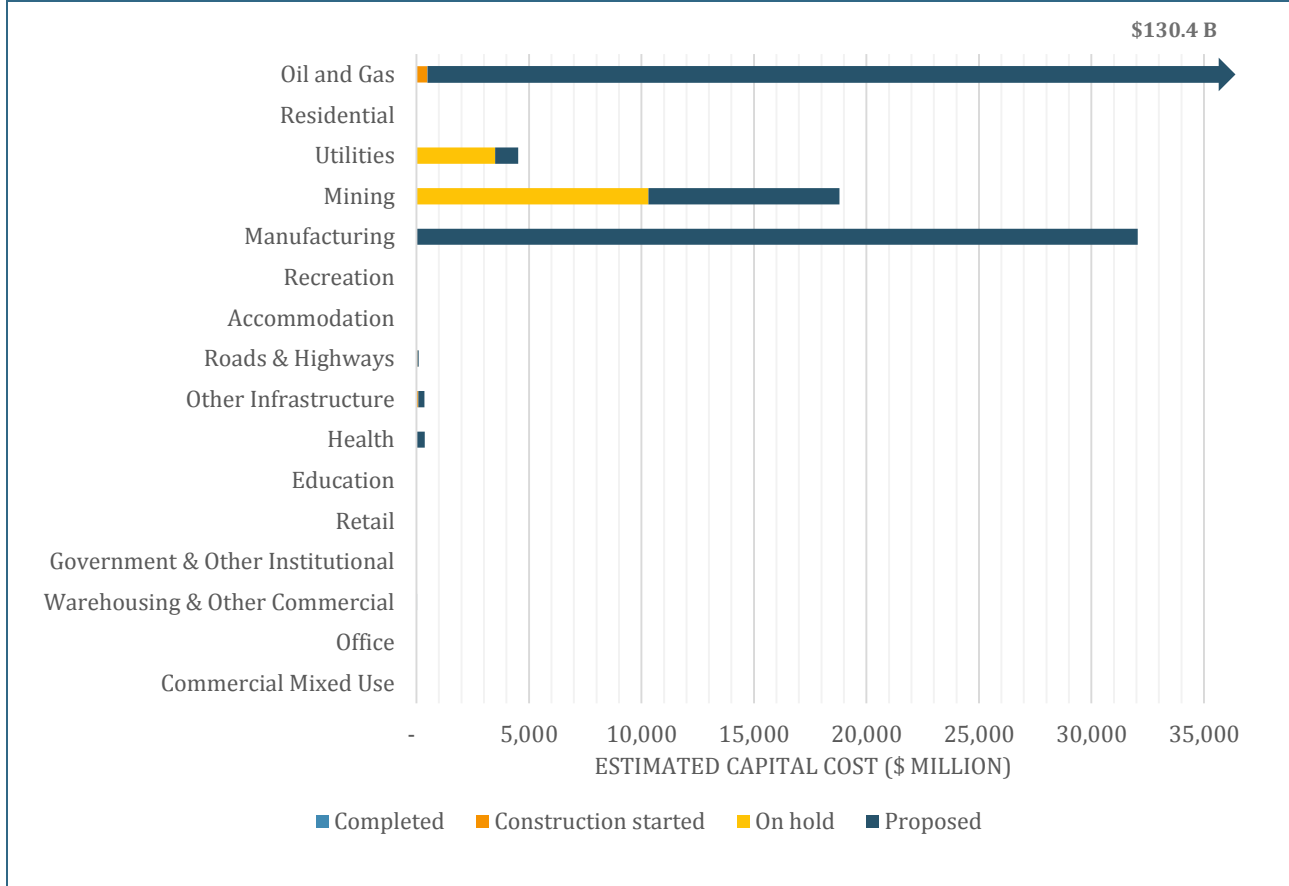
Exhibit 11.7 Summary of Major Projects (by Project Status)
North Coast Region

	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	172,684	92%	41	5,233	5.8
Preliminary/Feasibility	34,330	20%	11	4,291	4.3
Consultation/Approvals	105,647	61%	21	6,215	6.6
Permitting	2,600	2%	2	1,300	12.7
Tender/Preconstruction	61	0%	3	31	2.8
Stage Unknown	30,046	17%	4	7,512	4.8
On Hold	13,797	7%	11	1,380	10.8
Construction Started	616	0%	5	123	2.6
Completed	0	0%	0	0	0.0
Total	187,097	100%	57	3,898	6.5

Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

NORTH COAST REGION

Exhibit 11.8 Major Projects Status, by Construction Subtype
North Coast Region

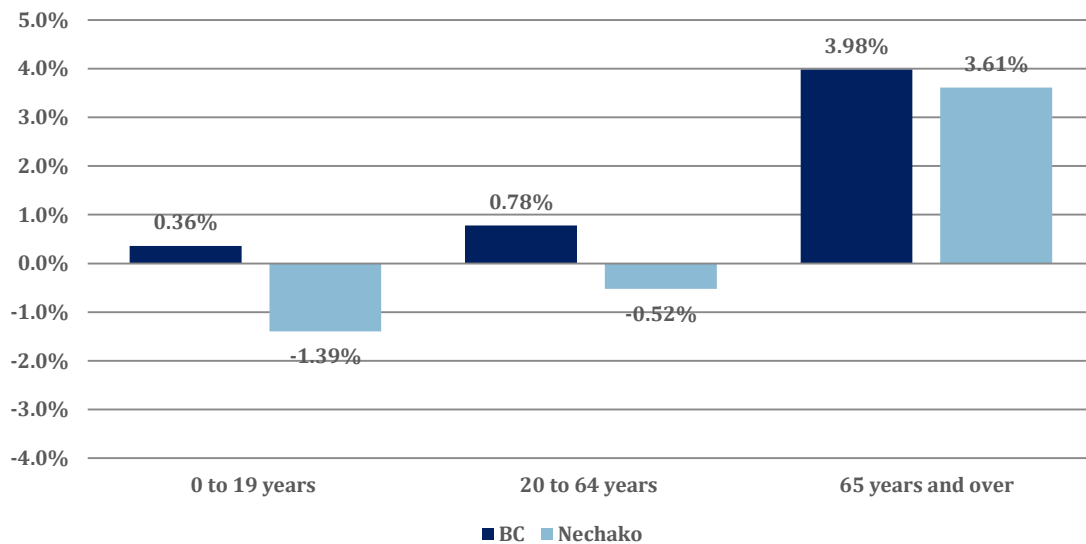


NECHAKO REGION

12. Nechako Region

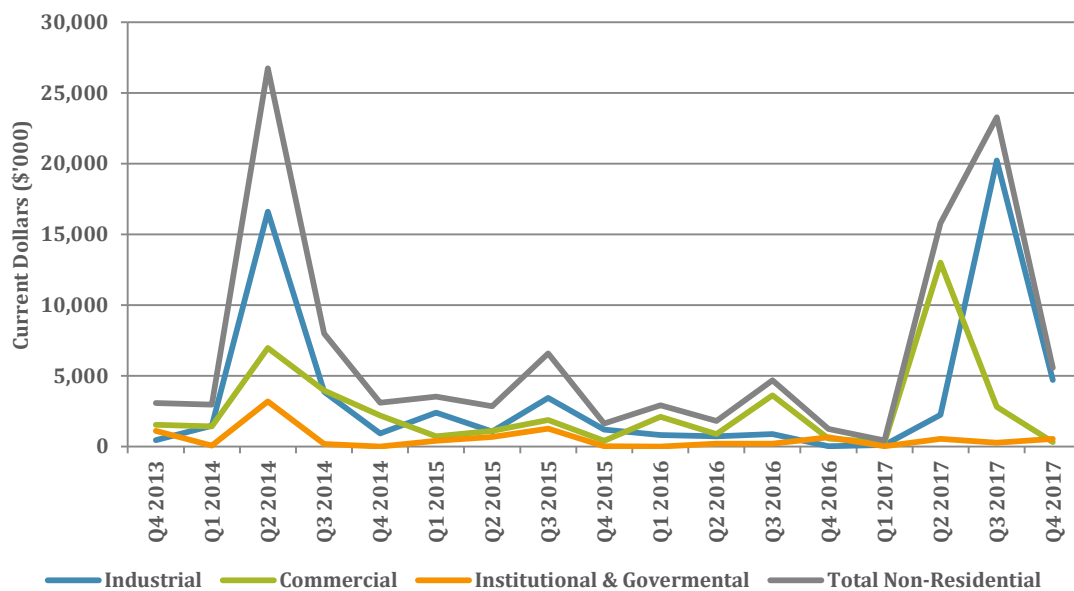
Key Economic Indicators

Exhibit 12.1 Population Growth 2015-2016



Source: BC Stats

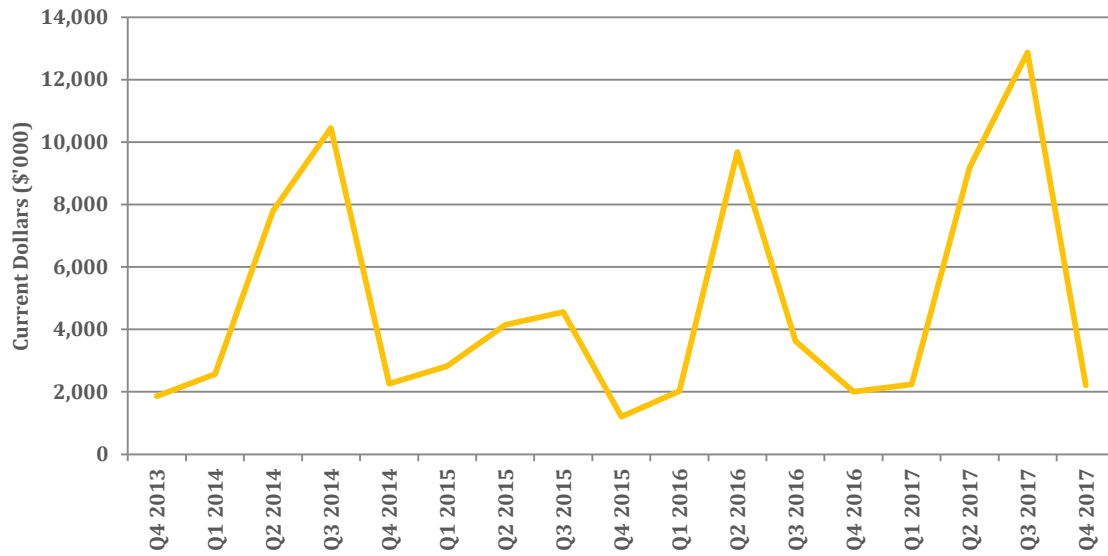
Exhibit 12.2 Value of Non-Residential Building Permits



Source: BC Stats

NECHAKO REGION

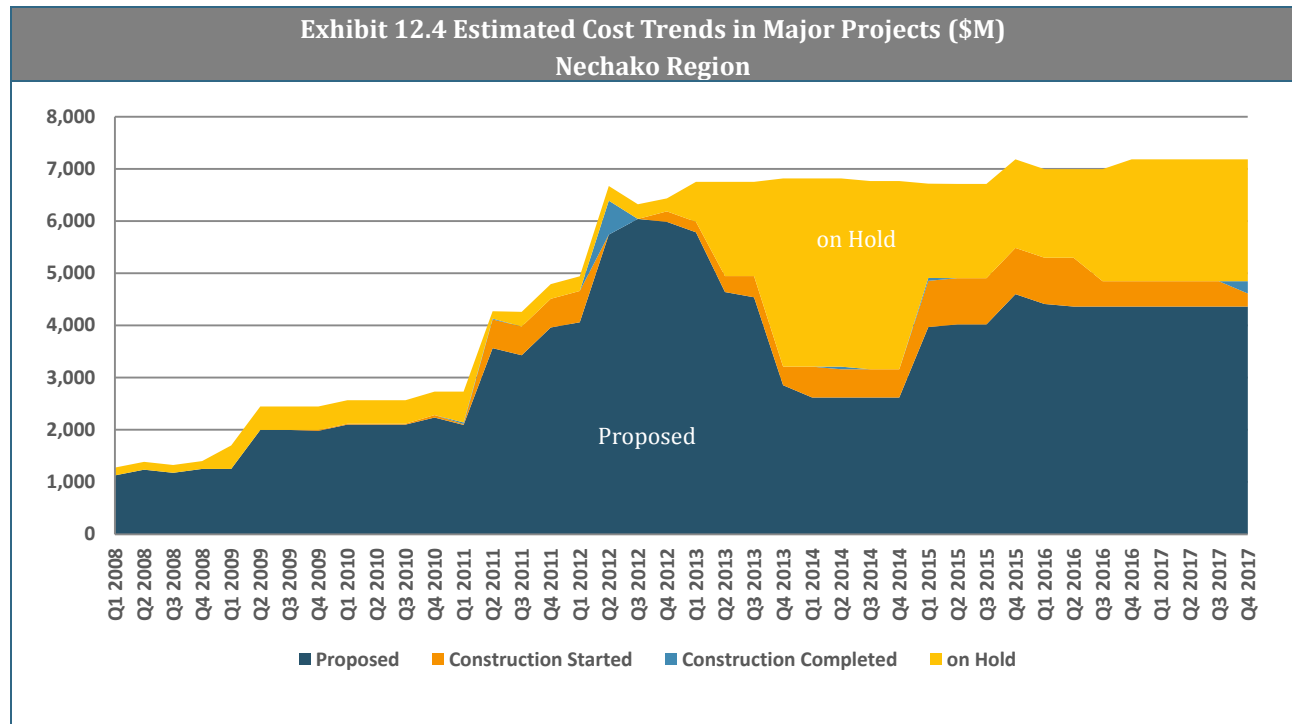
Exhibit 12.3 Value of Residential Building Permits



Source: BC Stats

NECHAKO REGION

Trends in Major Projects



In Q4 2017, the Nechako region has a total of 19 major projects with a combined value of \$7.2 B. There is no change in the total estimated cost compared to the previous quarter. Fort St. James Green Energy LP (\$235 M) has been completed in this quarter.

Exhibit 12.5 Estimated Cost Trends in Major Projects, by Project Status (\$M)
Nechako Region

Status	Q4 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	Change from the previous quarter	Change from the previous year
Proposed	4,361	4,361	4,361	4,361	4,361	0.0%	0.0%
Construction started	486	486	486	486	251	-48.4%	-48.4%
Completed	0	0	0	0	235	-	-
On hold	2,335	2,335	2,335	2,335	2,335	0.0%	0.0%
Total	7,182	7,182	7,182	7,182	7,182	0.0%	0.0%

NECHAKO REGION

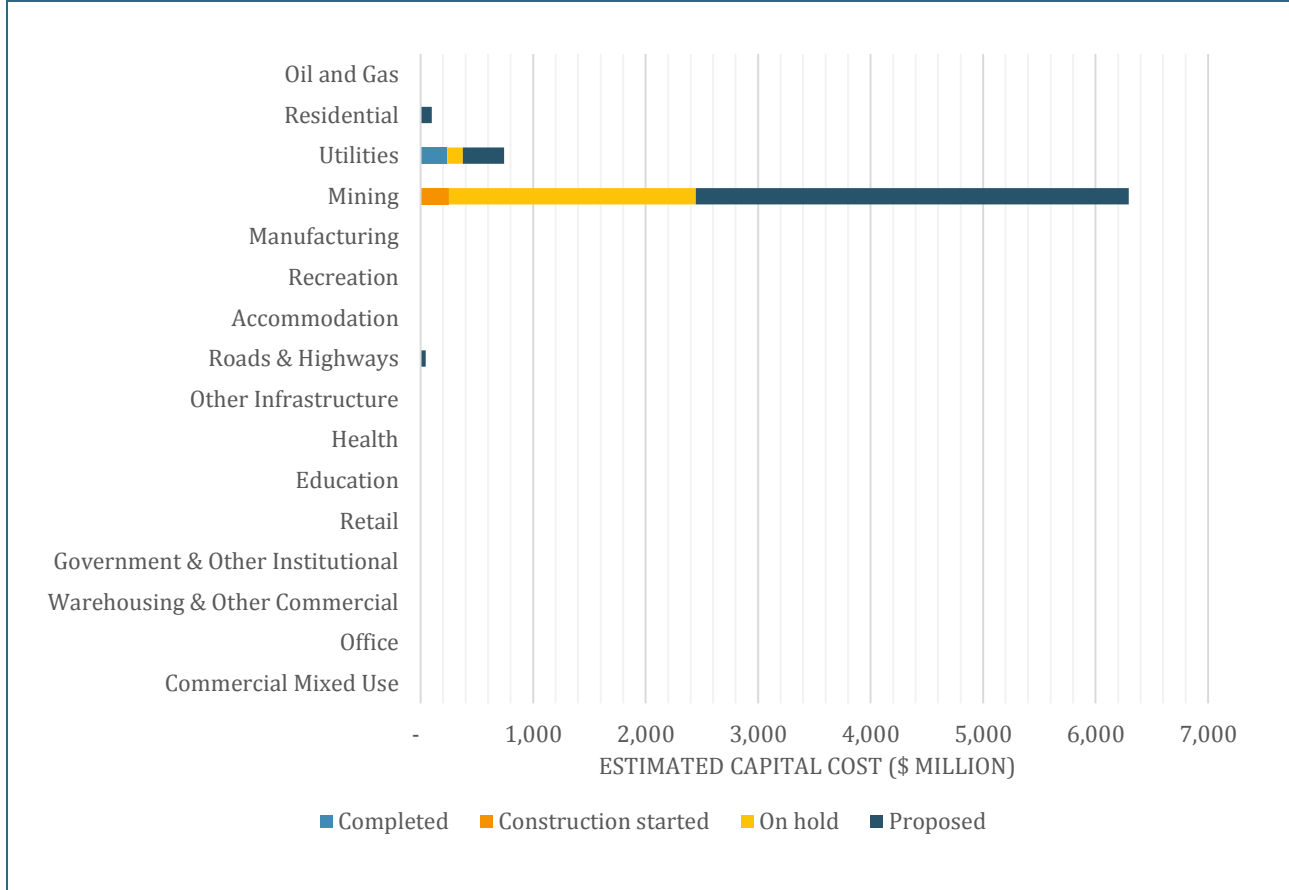
Exhibit 12.6 Summary of Major Projects (by Project Status)
Nechako Region

	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	4,361	61%	11	436	9.8
Preliminary/Feasibility	875	20%	2	438	11.1
Consultation/Approvals	2,186	50%	7	312	9.9
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	0	0%	0	0	0.0
Stage Unknown	1,300	30%	2	1,300	8.3
On Hold	2,335	33%	5	467	12.2
Construction Started	251	3%	2	126	4.3
Completed	235	3%	1	235	7.8
Total	7,182	100%	19	399	9.8

Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

NECHAKO REGION

Exhibit 12.7 Major Projects Status, by Construction Subtype
Nechako Region

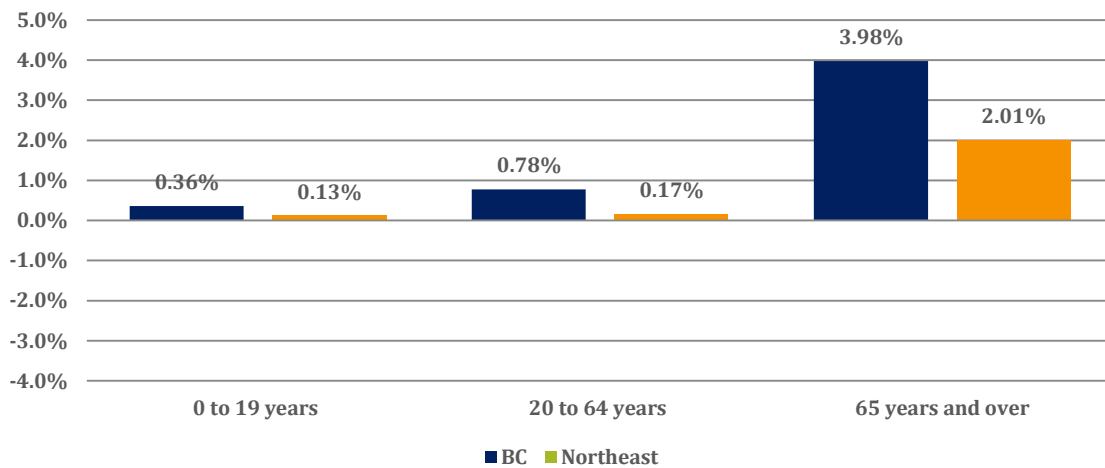


NORTHEAST REGION

13. Northeast Region

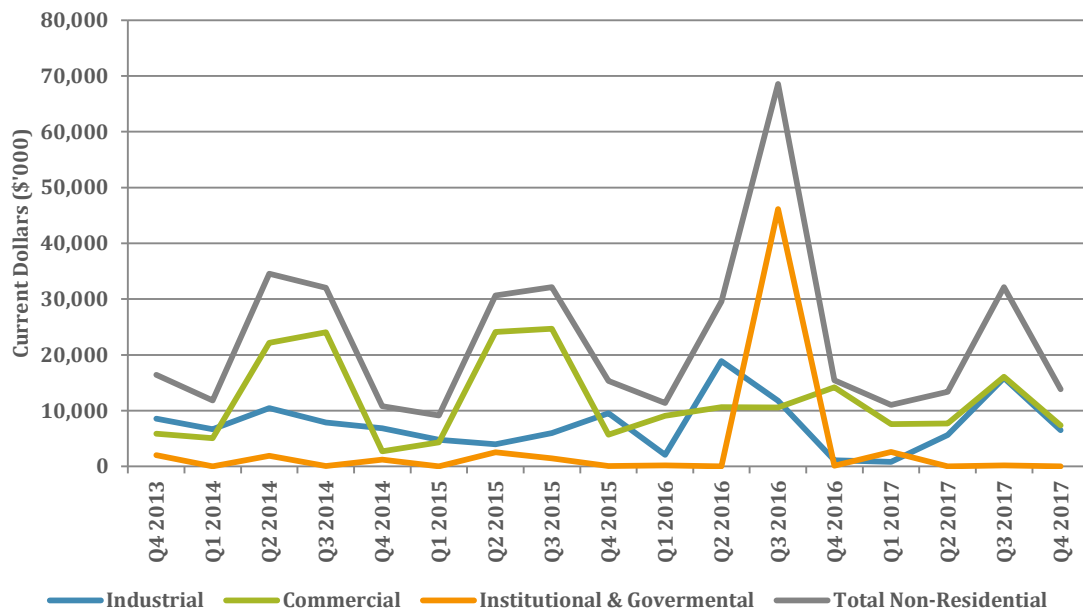
Key Economic Indicators

Exhibit 13.1 Population Growth 2015-2016



Source: BC Stats

Exhibit 13.2 Value of Non-Residential Building Permits



Source: BC Stats

NORTHEAST REGION

Exhibit 13.3 Value of Residential Building Permits

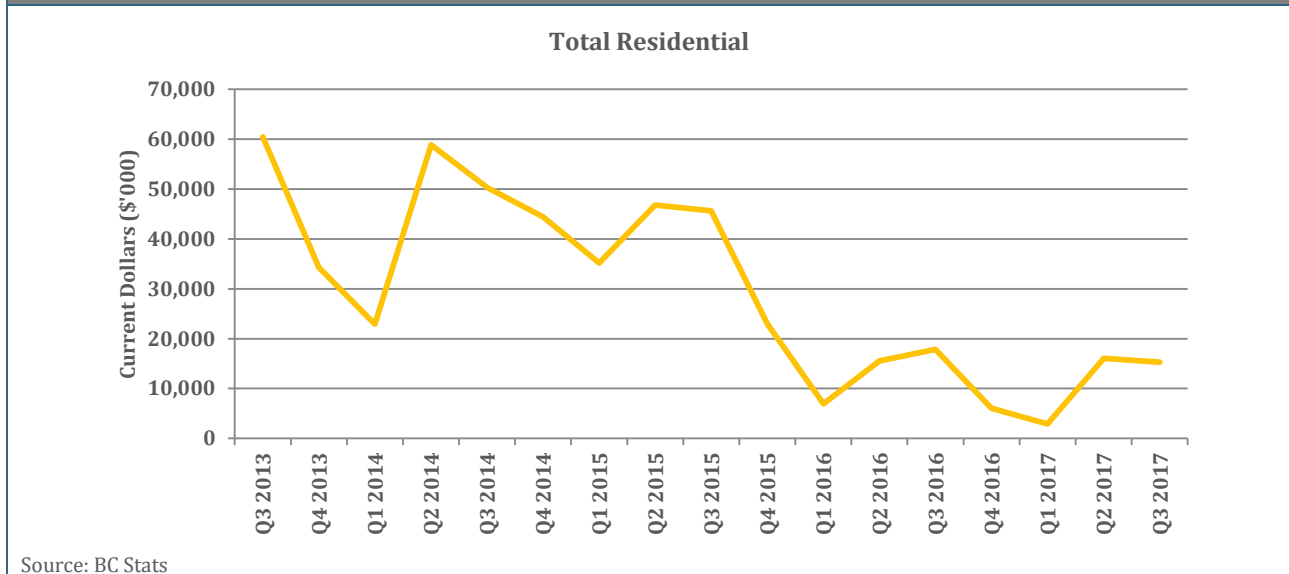
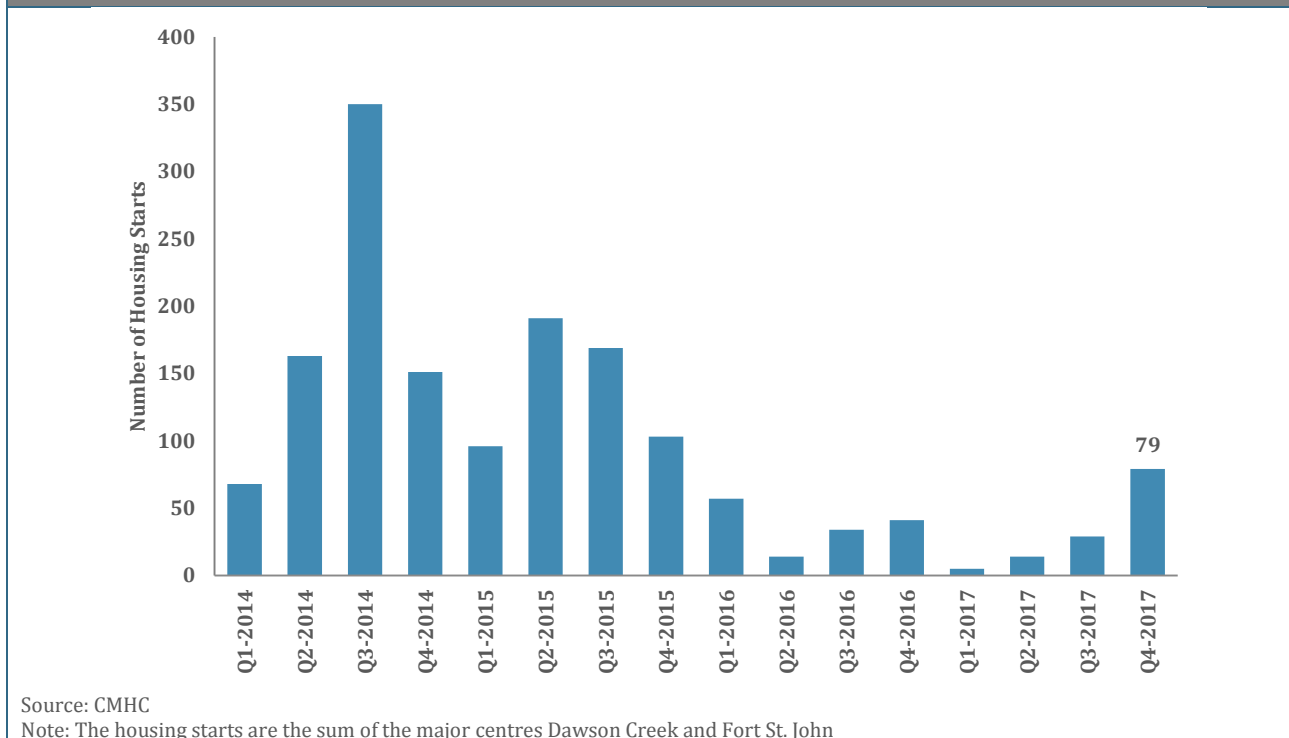


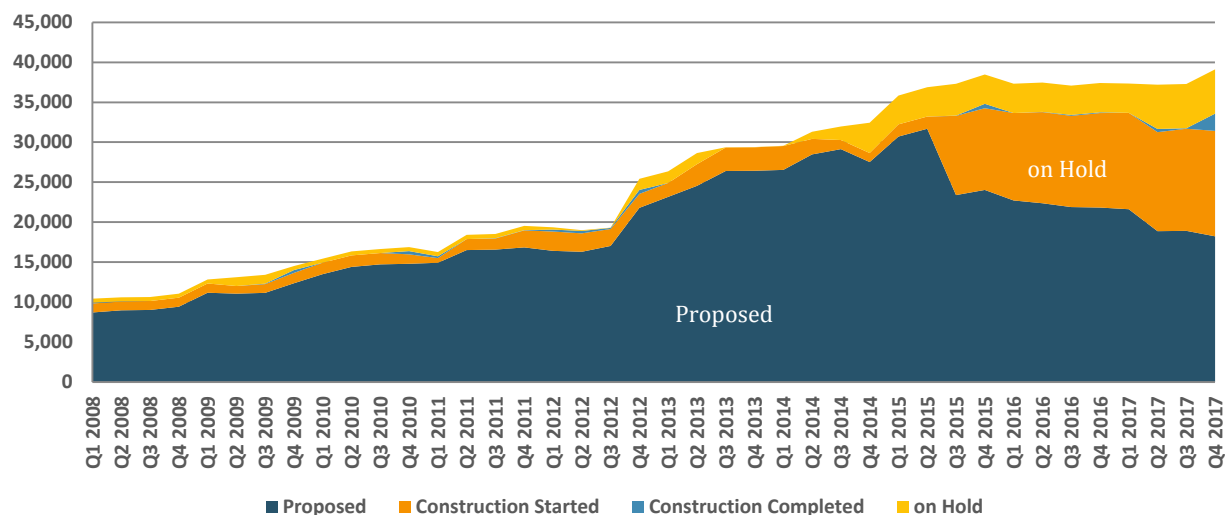
Exhibit 13.4 Housing Starts



NORTHEAST REGION

Trends in Major Projects

Exhibit 13.5 Estimated Cost Trends in Major Projects (\$M)
Northeast Region



- In Q4 2017, the Northeast region has a total of 59 major projects with a combined value of \$39.1 B, representing a 4.9 percent increase over the previous quarter and a 4.6 percent increase compared to one year earlier.
- Three projects added to the MPI this quarter: Zonnebeke Wind Energy Project (\$50 M), Sukunka Wind Energy Project (\$50 M), and Babcock Ridge Wind Farm (\$50 M).
- Seven projects started construction this quarter: Towerbirch Expansion Project (\$439 M), High Pine Expansion Project, Jackfish Lake Expansion Project, Septimus Creek Wind Power Project (\$45M), and Regional LNG Plant are expected to be completed in 2018. North Pine Liquids Facility (\$100 M) and G.M. Shrum Spillway Gate Upgrade Project (\$48M) are expected to be completed in 2019.
- Five projects have been completed in this quarter: BMT Load Capacity Increase (\$20 M), Northeast British Columbia Expansion Project (\$ 235 M), Sunrise Gas Plant (\$860 M), Tower Gas Plant (\$715 M), and Townsend Gas Processing Facility (\$325 M).

Exhibit 13.6 Estimated Cost Trends in Major Projects, by Project Status (\$M)
Northeast Region

Status	Q4 2016	Q1 2017	Q2 2017	Q3 2017	Q4 2017	Change from the previous quarter	Change from the previous year
Proposed	21,831	21,621	18,878	18,918	18,234	-3.6%	-16.5%
Construction started	11,817	12,052	12,382	12,770	13,187	3.3%	11.6%
Completed	91	0	400	57	2,155	-	2268.1%
On hold	3,667	3,667	5,537	5,537	5,537	0.0%	51.0%
Total	37,406	37,340	37,197	37,282	39,113	4.9%	4.6%

NORTHEAST REGION

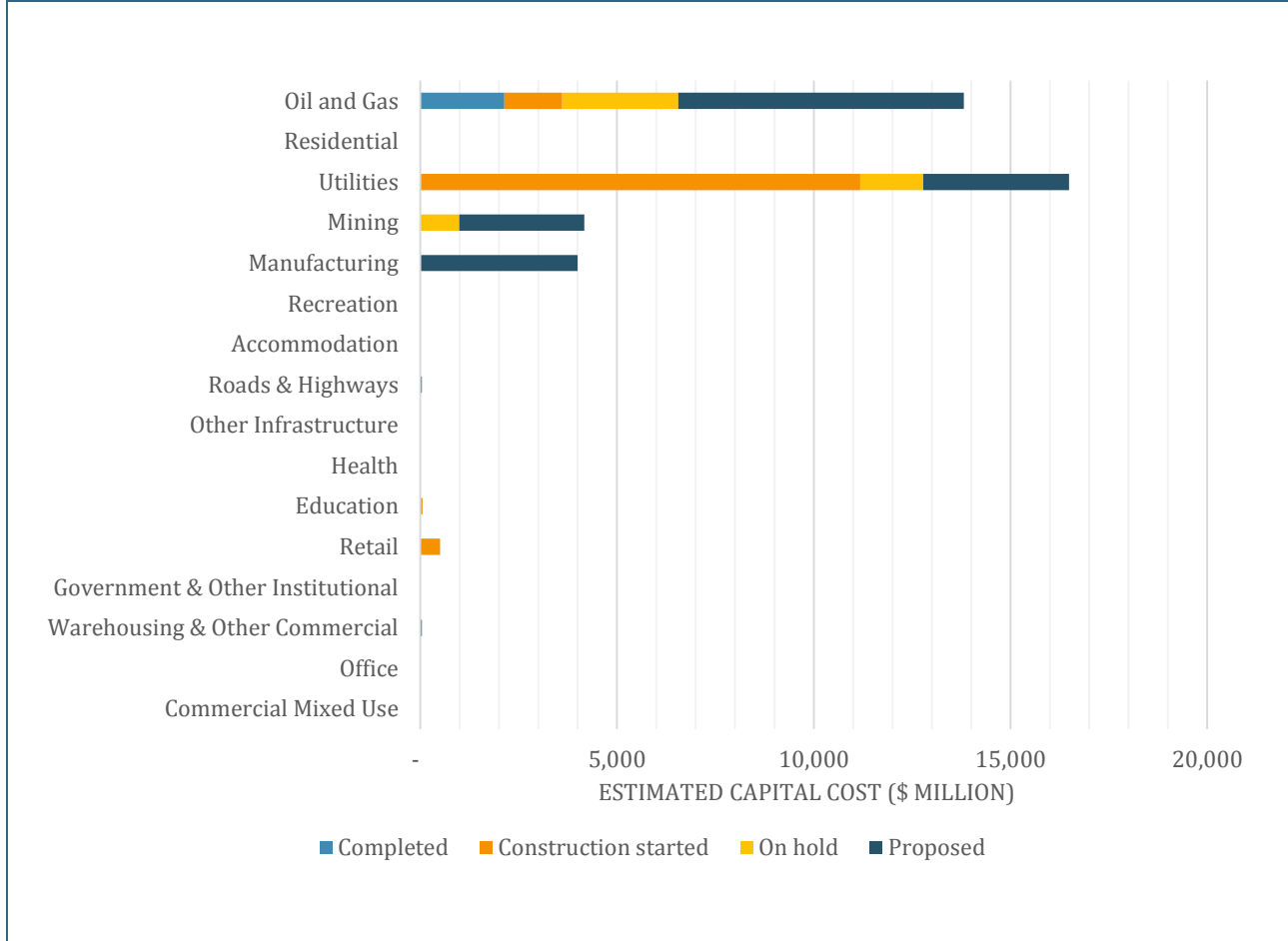
**Exhibit 13.7 Summary of Major Projects (by Project Status)
Northeast Region**

	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	18,234	47%	27	760	6.0
Preliminary/Feasibility	50	0%	2	50	1.0
Consultation/Approvals	13,964	77%	19	821	6.7
Permitting	4,000	22%	2	2,000	5.2
Tender/Preconstruction	80	0%	2	40	2.5
Stage Unknown	140	1%	2	70	8.8
On Hold	5,537	14%	9	692	7.6
Construction Started	13,187	34%	18	942	3.1
Completed	2,155	6%	5	431	2.2
Total	39,113	100%	59	767	5.1

Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

NORTHEAST REGION

**Exhibit 13.8 Major Projects Status, by Construction Subtype
Northeast Region**



APPENDICES

Appendices

Appendix 1

New Proposed Projects (October - December 2017)			
Region	Municipality	Project	Estimated Cost (\$ million)
1. Vancouver Island/Coast	Esquimalt	Corvette Landing Condominium	20
	Esquimalt	Pacific Vista Condominium	17
	Victoria	Fort and Parc Apartments	38
	Victoria	937 View Street Apartments	25
	Victoria	Doral Forest Park	25
	Victoria	Pandora Avenue Condominium	20
	Victoria	825 Fort Street Apartments	20
	Victoria	Duck's Building Condominium	20
	Victoria	Quadra Street Apartments	15
	Victoria	The Pearl Residences	15
	Victoria	930 Fort Street Condominium	15
2. Mainland/Southwest	Burnaby	Bordeaux Condominium	26
	Cloverdale	Cloverdale Sport and Ice Centre	25
	Coquitlam	Burquitlam Condominium Development	200
	Coquitlam	Wynnewood Green Condominiums	45
	Coquitlam	Irvine Elementary School Replacement	24
	New Westminster	The Residences at Lynn Valley	40
	North Vancouver	Handsworth Secondary School Replacement	62
	North Vancouver	Condominium and Hotel Development	50
	North Vancouver	Maplewood Gardens	45
	North Vancouver	Marvel Tower	38
	North Vancouver	Landmark SeyLynn Condominium	38
	North Vancouver	Condominium Development	30
	North Vancouver	Crest by Adera	28
	North Vancouver	The Sentinel Condominium	20
	North Vancouver	Marine + Fell Lowrise Condominium	20
	North Vancouver	Lions Gate Towers	
	Richmond	Atmosphere Mixed-Use Development	100
	Richmond	Cascade City	42
	Richmond	Landsdowne Centre Redevelopment	
	Surrey	Edgewood Drive Elementary (Grandview Heights South #2) (Site 206)	24
	Vancouver	Mixed-Use Community	60
	Vancouver	Vancouver Jewish Community Centre Redevelopment	36
	Vancouver	Masonic Centre and Apartments	28
	Vancouver	David Lloyd George Elementary School Replacement	24
	White Rock	Semiah Condominium	20
6. North Coast	Watson Island	Watson Island Propane Export Terminal	260
8. Northeast	Chetwynd	Sukunka Wind Energy Project	50
	Chetwynd	Zonnebeke Wind Energy Project	50
	Tumbler Ridge	Babcock Ridge Wind Farm	50
Total			1,665

APPENDICES

Appendix 2

Construction Started (October – December 2017)				
Region	Municipality	Project	Completion Date	Estimated Cost (\$ million)
1. Vancouver Island/Coast	Langford	Danbrook One	2020-Q2	20
	Nanaimo	Nanaimo Sewage Plant Upgrades	2019-Q4	86
	Victoria	Brookes Westshore Private School	2018-Q4	25
	Victoria	Vivid at the Yates	2019-Q2	40
	Victoria	Tapestry Condominium Tower	2019-Q3	25
2. Mainland/Southwest	Burnaby	Cedar Place	2020-Q3	47
	Langley	Union Park Condominium	2018-Q4	35
	Langley	Lattice at Milner Heights	2018-Q4	20
	Lillooet	Bridge River 2 - Strip and Recoat Penstock 1 Interior Project	2018-Q4	26
	North Vancouver	G3 Terminal Vancouver		600
	Vancouver	34 W7 Office Building	2018-Q4	20
	Vancouver	Avalon Park - River District	2019-Q4	40
	Vancouver	Vancouver Centre II	2021-Q2	28
	White Rock	Peace Arch Hospital - Renewal Project	2020-Q4	68
3. Thompson-Okanagan	Kelowna	Granite at McKinley Beach	2018-Q4	20
	Kelowna	Dilworth Industrial Park	2018-Q2	15
6. North Coast	Prince Rupert	Ridley Island Propane Export Terminal	2019-Q1	475
8. Northeast	Chetwynd	High Pine Expansion Project	2018-Q2	
	Dawson Creek	Towerbirch Expansion Project	2018-Q4	439
	Dawson Creek	Regional LNG Plant	2018-Q1	
	Fort St. John	North Pine Liquids Facility	2019-Q1	100
	Hudson Hope	G.M. Shrum Spillway Gate Upgrade Project	2019-Q3	48
	Taylor	Jackfish Lake Expansion Project	2018-Q2	
	Taylor	Septimus Creek Wind Power Project	2018-Q4	45
Total				2,222

APPENDICES

Appendix 3

Construction Completed (October – December 2017)

Region	Municipality	Project	Estimated Cost (\$ million)
1. Vancouver Island/Coast	Campbell River	Sequoia Springs/Kingfisher Residential Project	80
	Saanich	Sophia Residences	18
2. Mainland/Southwest	Burnaby	Midori Condominiums	30
	Burnaby	The Met 2 Condominium	50
	Coquitlam	Novella Condominiums	20
	Delta	Fairwinds at Hampton Cove	25
	Ladner	Fairwinds Townhomes	25
	North Vancouver	The Shore Condominiums	50
	Richmond	Cadence Condominiums	40
	Richmond	Wilson School of Design - Kwantlen Polytechnic University	36
	Surrey	Golden Ears Connector - Hwy 17 to Golden Ears Way	24
	Vancouver	41 West Condominiums	20
	Vancouver	BC Place Entertainment Complex	600
	Vancouver	Burrard Street Bridge Improvements	30
	Vancouver	Rhythm Condominiums	25
	Vancouver	The Exchange Office Tower - 475 Howe Street	240
	Vancouver	The Independent Condominium	20
	Vancouver	UBC Life Building (Old Student Union Building Renewal)	61
	Vancouver	West Condominiums	48
3. Thompson-Okanagan	Whistler	Baxter Creek Development	20
	Merritt	Merritt Green Energy Project	235
	Penticton	Cascades Casino Penticton	25
5. Cariboo	Quesnel	North Cariboo Arena Replacement Project	21
7. Nechako	Fort St. James	Fort St. James Green Energy LP	235
8. Northeast	Dawson Creek	BMT Load Capacity Increase	20
	Dawson Creek	Sunrise Gas Plant	860
	Fort St. John	Tower Gas Plant	715
	Fort St. John	Townsend Gas Processing Facility	325
	Wonowon	Northeast British Columbia (NEBC) Expansion Project	235
Total			4,133

APPENDICES

Appendix 4

Project Value and Project Status for each Industry Sector – (October - December 2017)

	Proposed	Construction started	Completed	On hold	Total
Oil and Gas	176,315	2,269	1,810	2,950	183,344
Residential	17,923	31,524	421	313	50,181
Utilities	14,865	15,926	490	7,019	38,300
Mining	20,396	351	-	16,333	37,080
Manufacturing	36,105	50	-	210	36,365
Recreation	6,145	3,673	646	1,375	11,839
Accommodation	5,906	4,274	-	1,356	11,536
Roads & Highways	5,934	2,972	54	-	8,960
Other Infrastructure	2,540	5,630	-	-	8,170
Health	2,339	1,942	-	-	4,281
Education	2,690	1,284	97	165	4,236
Retail	764	2,970	-	-	3,734
Government & Other Institutional	306	1,484	-	-	1,790
Warehousing & Other Commercial	1,032	695	-	-	1,727
Office	314	208	240	245	1,007
Commercial Mixed Use	-	-	-	-	-
Total	293,574	75,252	3,758	29,966	402,550

Appendix 5

Number of Regional Major Projects Excluding Completed Projects (by Project Category)

Development Region	Residential/ Commercial	Transportation & Warehousing	Mining, Oil & Gas Extraction	Utilities	Manufacturing	Public Services	Other Services	Total
Vancouver Island/Coast	97	14	5	18	0	12	8	154
Mainland/Southwest	313	50	4	36	2	64	12	481
Thompson-Okanagan	55	12	4	19	1	10	5	106
Kootenay	10	0	7	5	1	2	5	30
Cariboo	5	5	6	7	1	3	0	27
North Coast	2	12	26	9	5	2	1	57
Nechako	1	1	12	4	0	0	0	18
Northeast	2	8	20	20	2	2	0	54
Total	485	102	84	118	12	95	31	927

B.C. GOVERNMENT CONTACT

B.C. Government Contact

Grace Lee, Ministry of Advanced Education, Skills and Training

Tel: (250) 387-7476

Email: Grace.Lee@gov.bc.ca

www.majorprojectsinventory.com



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