



Image courtesy of Perkins+Will Canada

Artist's rendering of the new Health and Science Centre at Vancouver Island University in Nanaimo. The \$40.9 million project allows students to access nursing, chemistry, and environmental science degree programs in a local, innovative learning environment. The 6,855m² centre includes expanded research and teaching labs designed to enhance engagement with Indigenous and community partners. Funding was provided by the Government of Canada (\$19.4 million), the Province of B.C. (\$17.5 million), and university and community donors (\$4.0 million).

BRITISH COLUMBIA MAJOR PROJECTS INVENTORY

THIRD QUARTER 2018



Ministry of
Advanced Education,
Skills and Training

TABLE OF CONTENTS

British Columbia Major Projects Inventory Third Quarter 2018

Major Projects Inventory as of September 30, 2018.

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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 Man Wang, Research, Information and Analysis at: Man.Wang@gov.bc.ca

TABLE OF CONTENTS

About this Report	1
1. B.C. Major Projects Highlights – Q3 2018	5
2. B.C. Major Projects Inventory – Q3 2018	6
3. B.C. Economy	11
4. B.C. Demographics	16
5. Regional Summaries	17
6. Vancouver Island/Coast Region	18
7. Mainland/Southwest Region	22
8. Thompson - Okanagan Region	26
9. Kootenay Region	30
10. Cariboo Region	34
11. North Coast Region	38
12. Nechako Region	42
13. Northeast Region	46
Appendices	50
Appendix 1 _____	50
Appendix 2 _____	51
Appendix 3 _____	52
Appendix 4 _____	53
Appendix 5 _____	53
B.C. Government Contact	54

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).

Since 2018 Quarter 3, all the 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, Indigenous people's 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.

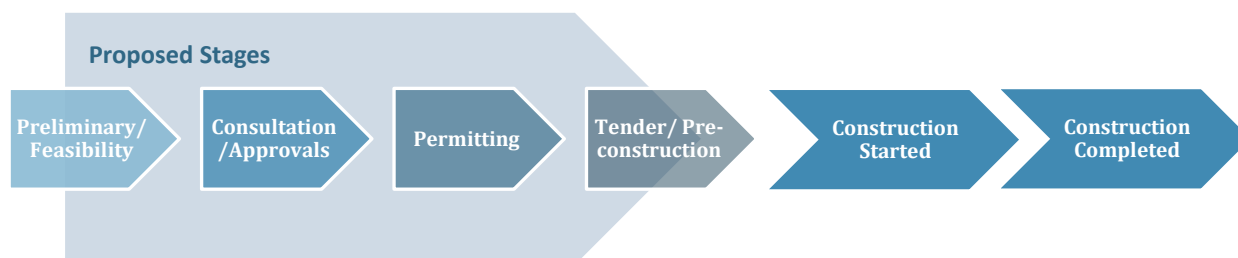
Start and Finish Dates

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, Indigenous people 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.

Indigenous Affiliation

Information related to Indigenous people's 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

Project Category lists 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 – Q3 2018

1. B.C. Major Projects Highlights – Q3 2018

The estimated capital cost of all 977 major projects in the third quarter of 2018, totalling \$407.5 billion (B), has decreased from \$416.3 B in the second quarter of 2018. 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 47 new proposed projects over \$15 million (M) with available capital cost estimates totalling \$2.3 B if all the projects were to proceed. The potential capital investment for new projects has increased compared to \$1.2 B in the second quarter of 2018.

There are 26 projects that have started construction in B.C., representing an estimated capital cost of \$1.6 B, \$60 M up from the second quarter of 2018. Twenty projects completed construction in the third quarter, with an estimated capital cost of \$748 M compared to \$989 M in the second quarter of 2018.¹

There are 234 projects with public funding contributions having an estimated available capital cost of \$39.0 B. Funding for these projects is allocated through municipal, provincial and/or federal levels of government, crown corporations, public institutions and may include private partnerships. Of these, 143 projects worth a total of \$16.9 B have provincial government funding contributions.

There are 69 projects with the total estimated cost of \$156.6 B involving Indigenous people in capacities such as project owners, project partners or benefit agreements.

Major projects currently under construction in B.C. totalled \$74.4 billion, up from the \$73.7 billion in the second quarter of 2018. Proposed projects totalled \$301.1 B, a decrease from \$311.7 B in the previous quarter. 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. Approximately \$31.3 B of projects are judged to be 'on hold' for the time being, an increase from the previous quarter value of 29.9 B.

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

977	Number of total major projects
\$407.5 B	Value of all projects
530	Number of total proposed projects
\$301.1 B	Value of proposed projects
364	Number of projects under construction
\$74.4B	Value of projects under construction
20	Number of projects completed
\$748 M	Value of projects completed
47	Number of new proposed projects
\$2.3 B	Value of newly proposed projects

¹ The LNG Canada project received a positive final investment decision in October 2018 so it will be identified as "started" in Q4 2018.

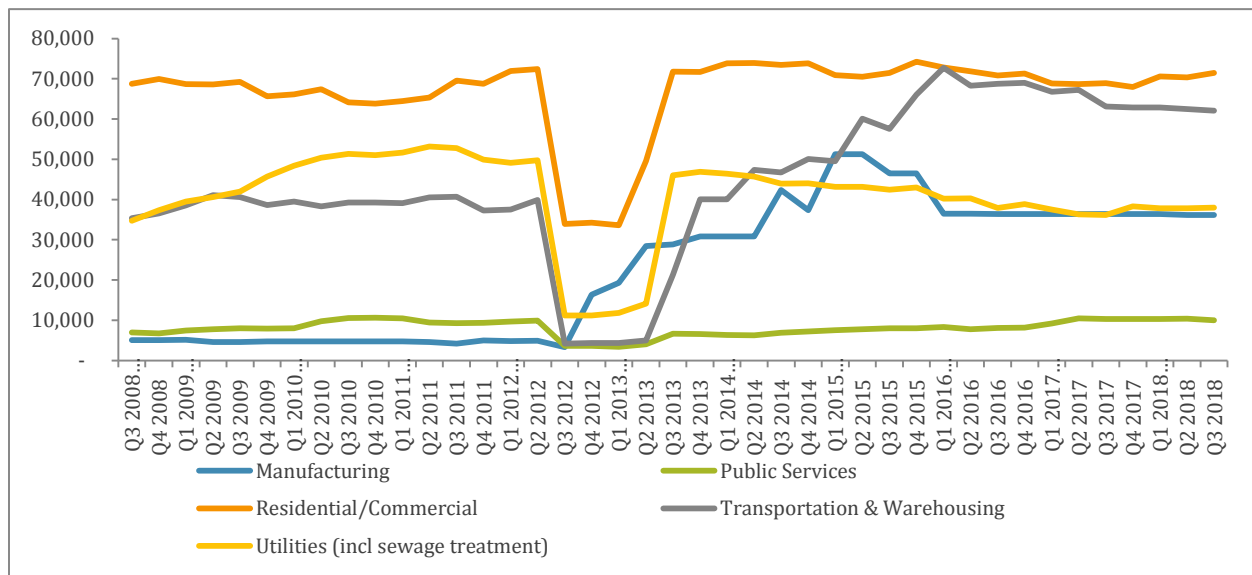
B.C. MAJOR PROJECTS INVENTORY – Q3 2018

2. B.C. Major Projects Inventory – Q3 2018

By Project Category, Construction Type or Subtype

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

Project Category	Q3 2017	Q4 2017	Q1 2018	Q2 2018	Q3 2018	Change from the previous quarter	Change from the previous year
Mining, Oil & Gas Extraction	185,933	174,900	172,900	187,837	178,669	-4.9%	-3.9%
Residential/Commercial	68,937	67,995	70,550	70,377	71,478	1.6%	3.7%
Transportation & Warehousing	63,145	62,844	62,876	62,475	62,055	-0.7%	-1.7%
Manufacturing	36,365	36,365	36,365	36,155	36,155	0.0%	-0.6%
Utilities	36,134	38,300	37,839	37,799	37,958	0.4%	5.0%
Public Services	10,333	10,287	10,334	10,408	9,970	-4.2%	-3.5%
Other Services	11,804	11,859	11,213	11,213	11,229	0.1%	-4.9%
Grand Total	412,651	402,550	402,077	416,264	407,514	-2.1%	-1.2%

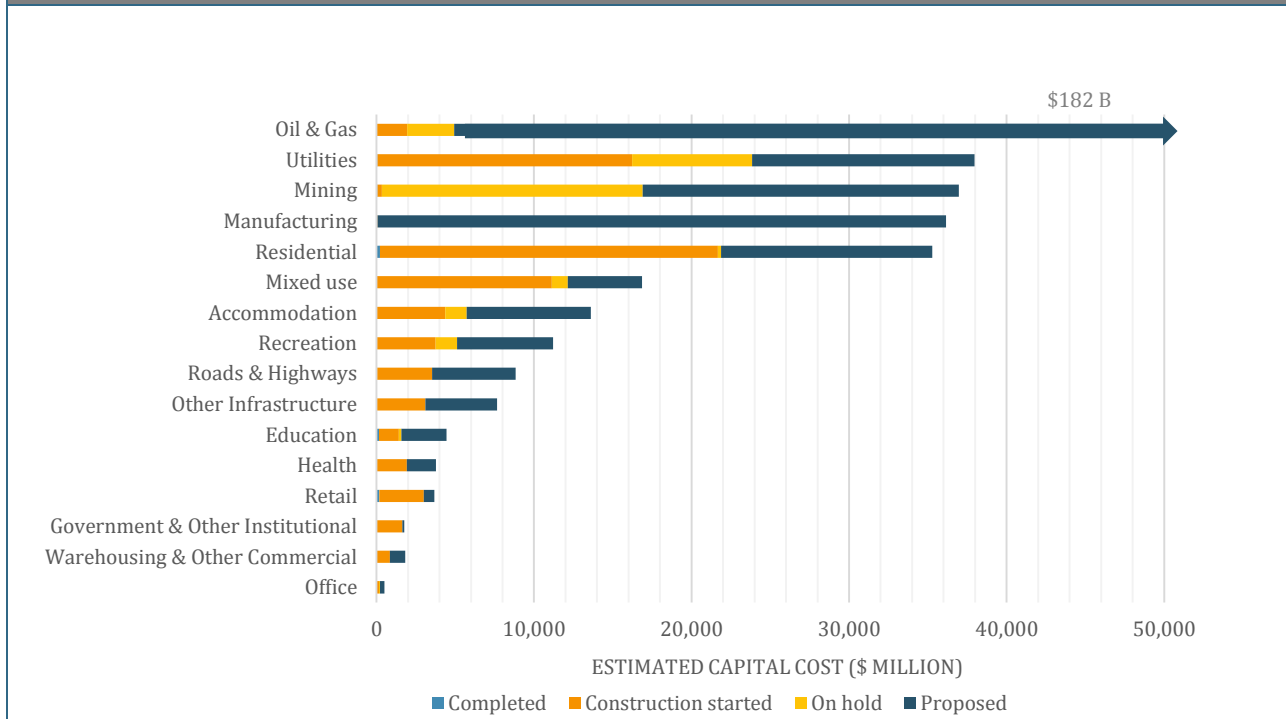


Note: chart excludes mining oil & gas extraction and other services projects

The total estimated capital cost of major projects in B.C. declined in the third quarter of 2018 (Q3), totalling \$407.5 B, representing a 2.1 percent decrease over the previous quarter and a 1.2 percent decrease compared to one year earlier.

B.C. MAJOR PROJECTS INVENTORY – Q3 2018

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.
- Residential and Commercial development projects comprise 534 of the 977 projects listed in the third quarter of 2018, representing a total estimated capital cost of \$71.5 B in the inventory.
- Residential projects are concentrated in the Mainland/Southwest region (71 percent), Vancouver Island (19 percent), and Thompson-Okanagan (9 percent).
- Utility projects continue to be a significant driver for the province. The total cost of utilities projects amounts nearly \$38 B while the total cost of projects which are currently underway is over \$16 B.
- There are 56 mining projects listed in the MPI with a total estimated value of \$37.0 B.
- The top components share of new projects added to the inventory in Q3 2018 are Primarily Residential – Single Use (\$1.2 B), Oil and Gas (\$750 M), and Education (153 M).
- Public Infrastructure - The value of public funding contributions was \$39.0 B for 234 projects – across all levels of government. Of these, 143 projects worth a total of \$16.9B have provincial government funding contributions. It is important to note that this figure reflects the total cost, not just the provincial contribution.

B.C. MAJOR PROJECTS INVENTORY – Q3 2018

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	11,276	27,978	9,562	80	0	0	100	0	48,996
Mixed use	2,900	9,359	1,450	0	0	0	0	0	13,709
Primarily residential - Single use	8,376	18,619	8,112	80	0	0	100	0	35,287
Commercial	3,981	17,511	5,654	4,902	1,322	46	0	540	33,956
Mixed use	462	2,690	0	0	0	0	0	0	3,152
Accommodation	2266	4,791	3,299	2,302	940	0	0	0	13,598
Recreation	220	6,163	2,210	2,600	0	16	0	0	11,209
Retail	923	2,140	115	0	0	0	0	500	3678
Office	70	432	0	0	0	0	0	0	502
Warehousing	0	265	0	0	0	0	0	0	265
Other Commercial	40	1,030	30	0	382	30	0	40	1,552
Industrial	32,130	2,335	1,864	2,936	7,231	187,425	6,378	19,814	260,113
Mining	130	160	1,834	2,936	2,646	18,780	6,378	4,101	36,965
Oil & Gas	32,000	2,125	0	0	4,570	136,585	0	11,713	186,993
Manufacturing - Wood Products	0	0	30	0	0	60	0	0	90
Manufacturing - Petrochemical	0	0	0	0	0	32,000	0	4,000	36,000
Other Manufacturing	0	50	0	0	15	0	0	0	65
Institutional	3,277	5,064	1,406	41	63	18	29	92	9,990
Education	1,799	2,165	256	22	63	18	29	92	4,444
Health	0	2,646	1,110	19	0	0	0	0	3,775
Government buildings	1,458	253	40	0	0	0	0	0	1,751
Other Institutional & Government	20	0	0	0	0	0	0	0	20
Infrastructure	9,839	16,695	2,888	874	1,686	5,298	551	16,628	54,459
Utilities	7,793	4,850	1,327	874	1,190	4,857	506	16,561	37,958
Roads & Highways	266	6,447	1,411	0	496	106	45	67	8,838
Other Transportation	1,780	5,398	150	0	0	335	0	0	7,663
Grand Total	60,503	69,583	21,374	8,833	10,302	192,787	7,058	37,074	407,514

B.C. MAJOR PROJECTS INVENTORY – Q3 2018

By Project Status

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

Status	Q3 2017	Q4 2017	Q1 2018	Q2 2018	Q3 2018	Change from the previous quarter	Change from the previous year
Proposed	304,694	293,574	294,266	311,674	301,051	-3.4%	-1.2%
Construction started	74,729	74,877	75,185	73,672	74,406	1.0%	-0.4%
Completed	2,737	4,133	1,664	989	748	-24.4%	-72.7%
On hold	30,491	29,966	30,962	29,929	31,309	4.6%	2.7%
Total	412,651	402,550	402,077	416,264	407,514	-2.1%	-1.2%

The value of completed projects fell 24 percent to \$748 M in Q3 2018 over the previous quarter. Notable projects completed were The Village at Park Royal Expansion Project in West Vancouver (\$180 M) and Silvertip Silver Mine Project in Cassiar (50 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	301,051	74%	530	650	5.0
Preliminary/Feasibility	45,256	11%	122	497	4.3
Consultation/Approvals	170,038	42%	226	842	5.8
Permitting	8,570	2%	35	276	3.6
Tender/Preconstruction	49,076	12%	96	539	2.3
Stage Unknown	28,111	7%	51	586	8.7
On hold	31,309	8%	63	522	11.5
Construction started	74,406	18%	364	210	6.2
Completed	748	0%	20	42	3.9
Total	407,514	100%	977	455	5.8

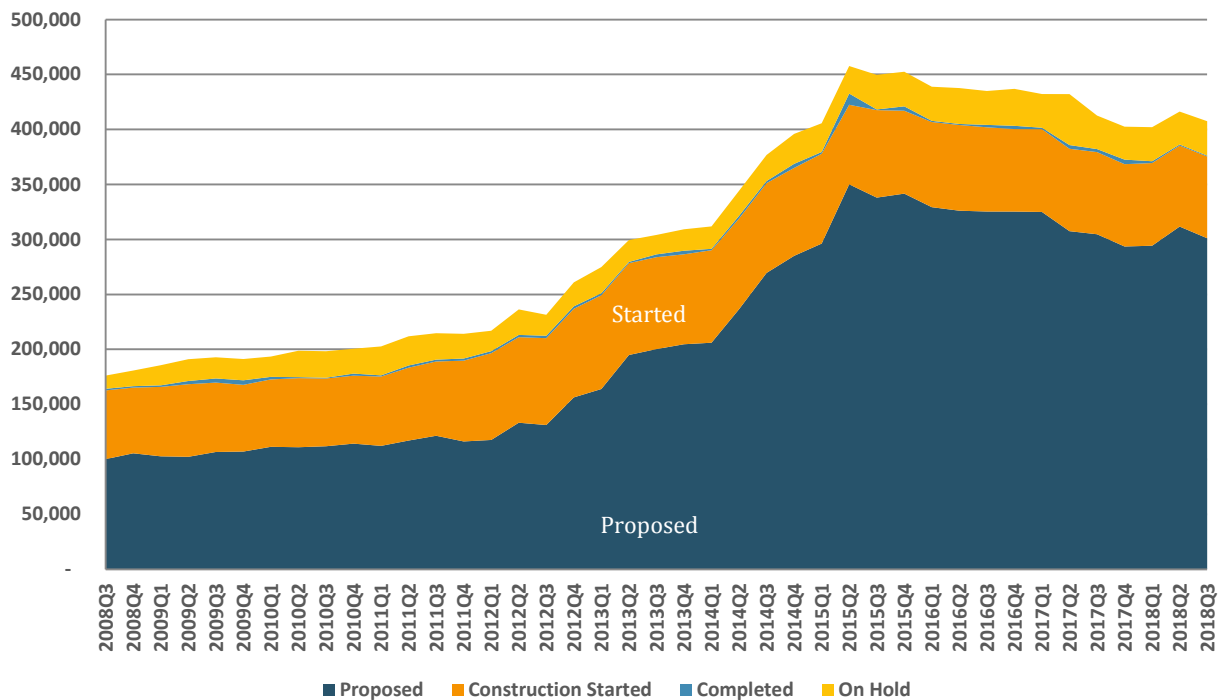
Note: Average project value is the average of those projects for which there is a cost estimate. An average year in inventory is the average time span between the projects as first recorded in the MPI and the current period. Regional detail is provided in Exhibit 2.6.

B.C. MAJOR PROJECTS INVENTORY – Q3 2018

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

Development Region	Proposed	Started	Completed	On Hold	Total	Change from the previous quarter	Change from the previous year
1. Vancouver Island/Coast	45,157	13,205	68	2,073	60,503	0.0%	3.3%
2. Mainland/Southwest	39,725	28,515	451	892	69,583	1.3%	-2.4%
3. Thompson-Okanagan	4,276	14,387	90	2,621	21,374	0.4%	0.1%
4. Kootenay	2,590	3,623	28	2,592	8,833	0.0%	-3.3%
5. Cariboo	8,343	559	0	1,400	10,302	0.0%	0.6%
6. North Coast	178,348	669	0	13,770	192,787	-4.8%	-2.4%
7. Nechako	4,472	201	50	2,335	7,058	1.2%	-1.7%
8. Northeast	18,140	13,247	61	5,626	37,074	-0.5%	-0.6%
Total	301,051	74,406	748	31,309	407,514	-2.1%	-1.2%

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



B.C. ECONOMY

3. B.C. 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 2018/19 – 2020/21

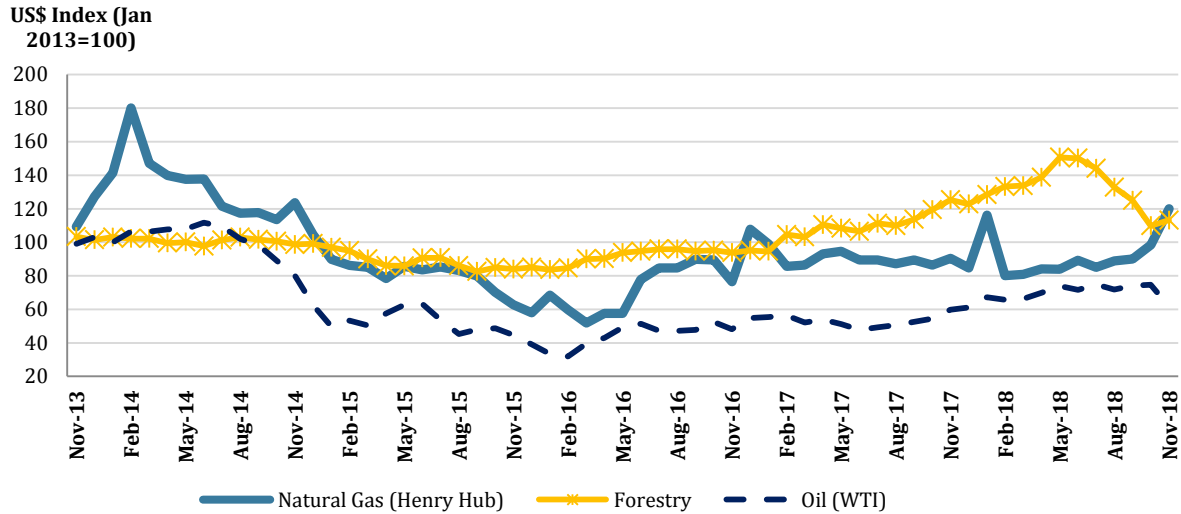
	Most Recent Period	Amount	Change from previous month	Change from previous year	Data Type
Retail trade (\$ M)	Sep-18	7,142	-1.8%	+1.0%	seasonally adjusted
Manufacturing Sales (\$ M)	Sep-18	4,703	+0.7%	+7.4%	seasonally adjusted
Residential - building permits (\$ M)	Sep-18	985	-17.2%	-5.6%	seasonally adjusted
Residential - housing starts (units)	Oct-18	29,861	+17.3%	-44.7%	seasonally adjusted at annual rates
Non-Residential building permits (\$ M)	Sep-18	468	-24.7%	19.5%	seasonally adjusted
Exports - all merchandise (\$ M)	Oct-18	4,004	-5.2%	+8.3%	seasonally adjusted
Prices					
B.C. Consumer price index (2002=100)	Sep-18	128.9	-0.5%	+2.5%	
Exchange rate	Oct-18	US \$0.77	-0.0%	-4.9%	
Average 5-year residential mortgage rate	Oct-18	4.48%	0.05 p.p.	+0.6 p.p.	
Labour Market					
Employment	Oct-18	2,515,300	-0.04%	+2.0%	seasonally adjusted
Unemployment rate	Oct-18	4.1%	- 0.1 p.p.	-0.8 p.p.	seasonally adjusted
Participation rate	Oct-18	64.8%	-0.1 p.p.	-0.1 p.p.	seasonally adjusted
Average weekly earnings	Oct-18	967.12	-1.0%	+0.9%	seasonally adjusted

Source: Statistics Canada & Bank of Canada

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

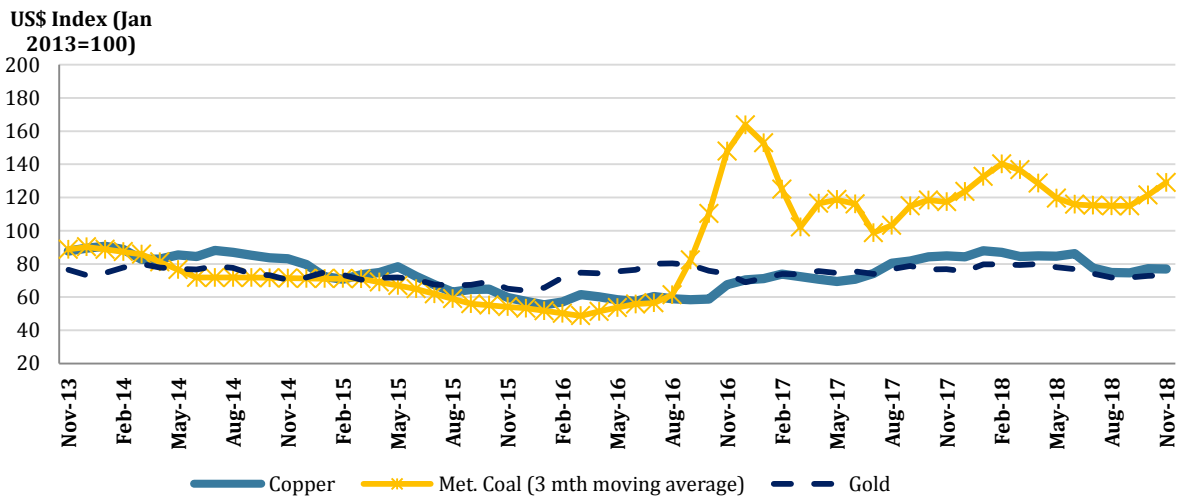
B.C. ECONOMY

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 stopped falling in November with a 3 percent increase from October. Prices are 10 percent lower than last November. Natural gas jumped 22 percent to US\$4.00/mmBTU up 33 percent from the previous year. Oil (WTI) fell sharply by 17 percent to US\$58.48/bbl, now only 3 percent up from last year.

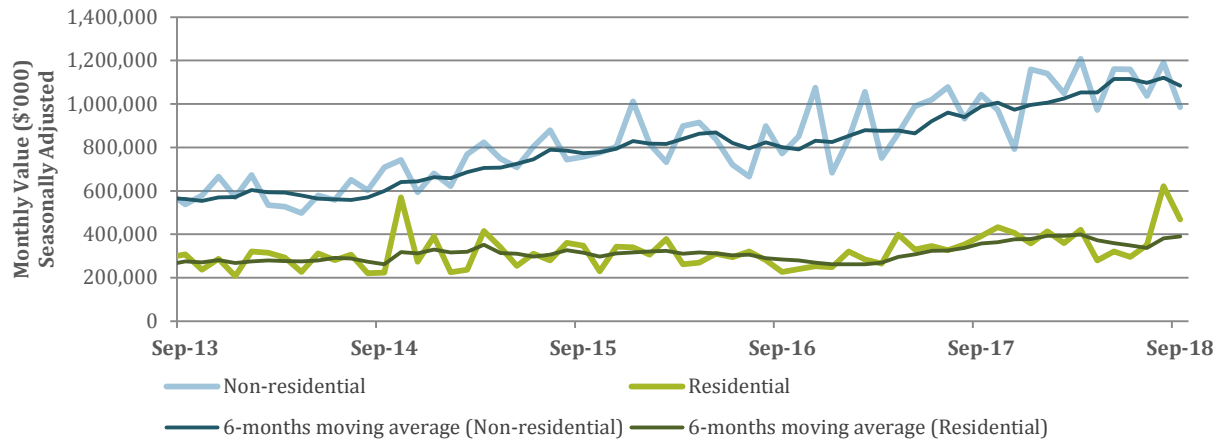


Source: B.C. Ministry of Energy and Mines, monthly average of daily values, Met. Coal: quarterly average to March 2016, 3-month moving average after March 2016

The price of copper was flat at US\$2.81/lb in November compared to October but down 9 percent from a year ago due to slowing of global demand. Gold increased 1 percent to US\$1,223/oz in October but was down 8.9 percent from a year ago due to slowing global demand. Metallurgical coal (3 month moving average) increased 6 percent, and up 10 percent from a year ago.

B.C. ECONOMY

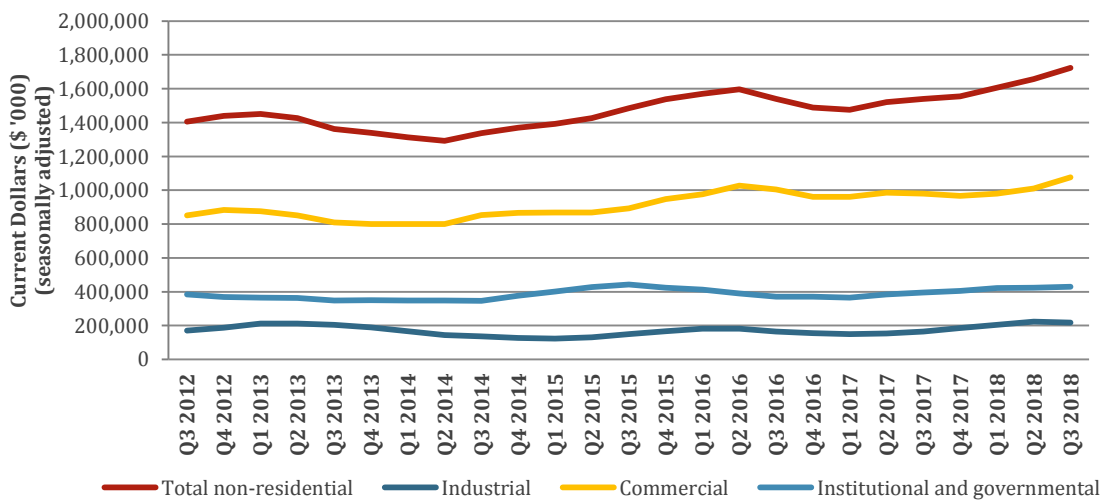
Exhibit 3.3 Value of Building Permits



Source: Statistics Canada

B.C.'s building permits value decreased by 2.4 percent from August to September, driven by the residential sector. During September 2018, there was an average of \$1.6 B worth of building permits issued compared to \$1.4 B in the corresponding month of the previous year (+12.7 percent year-over-year). Residential building permits value decreased by 7.6 percent from August to September. Non-residential building permits value increased by 11.5 percent from the previous month and 34.3 percent from a year ago.

Exhibit 3.4 Investment in Non-Residential Building Construction

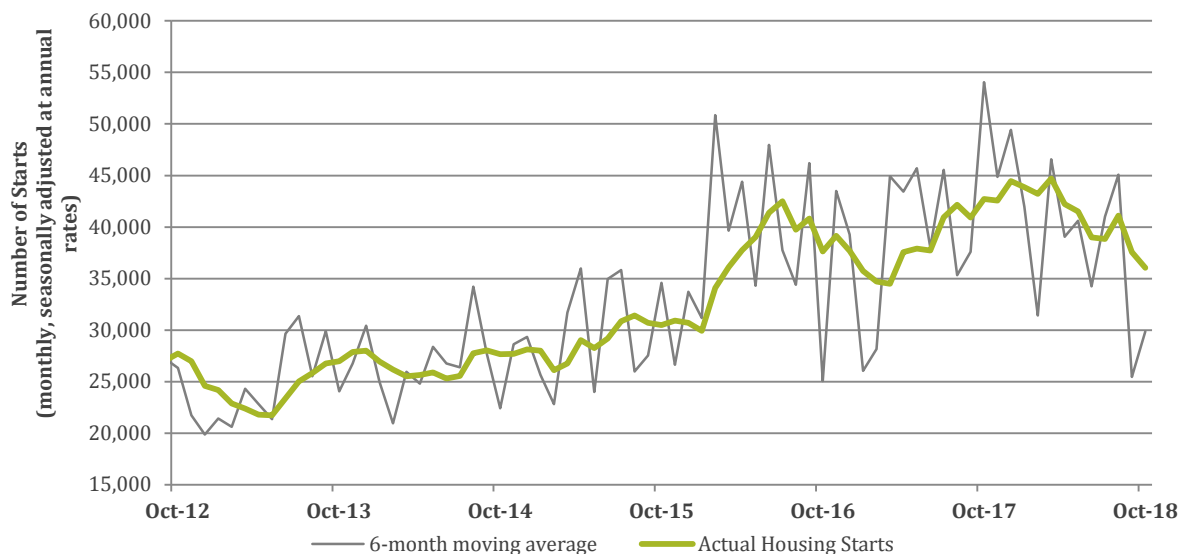


Source: Statistics Canada

Nationwide investment in non-residential building construction rose 0.9 percent in the third quarter of 2018 from the previous quarter. At the provincial level, B.C. spending increased by 4 percent from the previous quarter and up 11.9 percent from the previous year. The current level of non-residential investment is \$1.7 B.

B.C. ECONOMY

Exhibit 3.5 B.C. Housing Starts

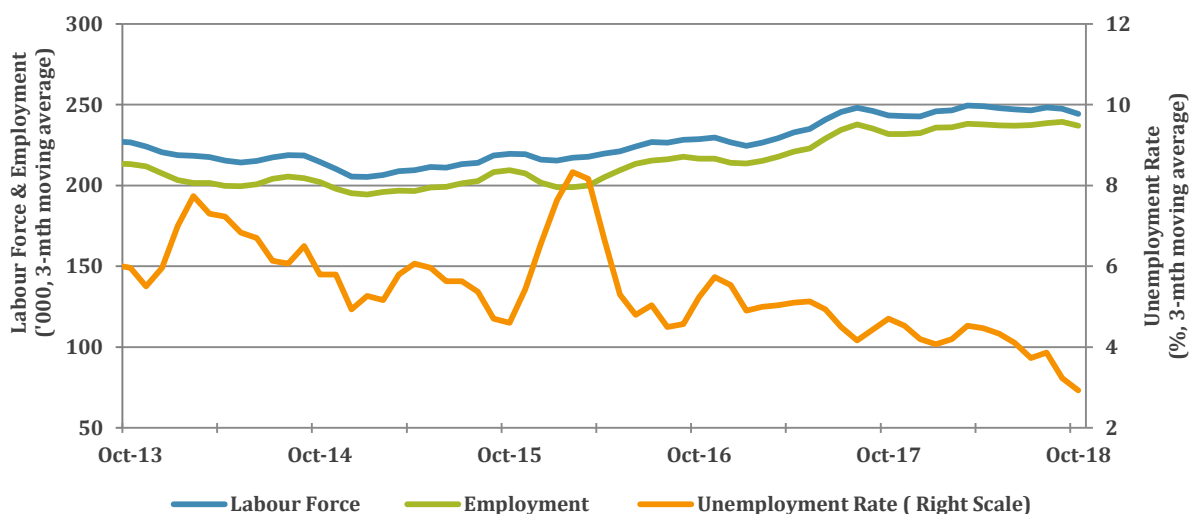


Source: Canada Mortgage and Housing Corporation (CMHC)

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

B.C.'s housing starts increased in October to 29,861 units (annualized). The 6-month moving average of housing starts decreased by 4.1 percent from the previous month and fell 15.6 percent from the same month in 2017.

Exhibit 3.6 B.C. Construction Industry Employment

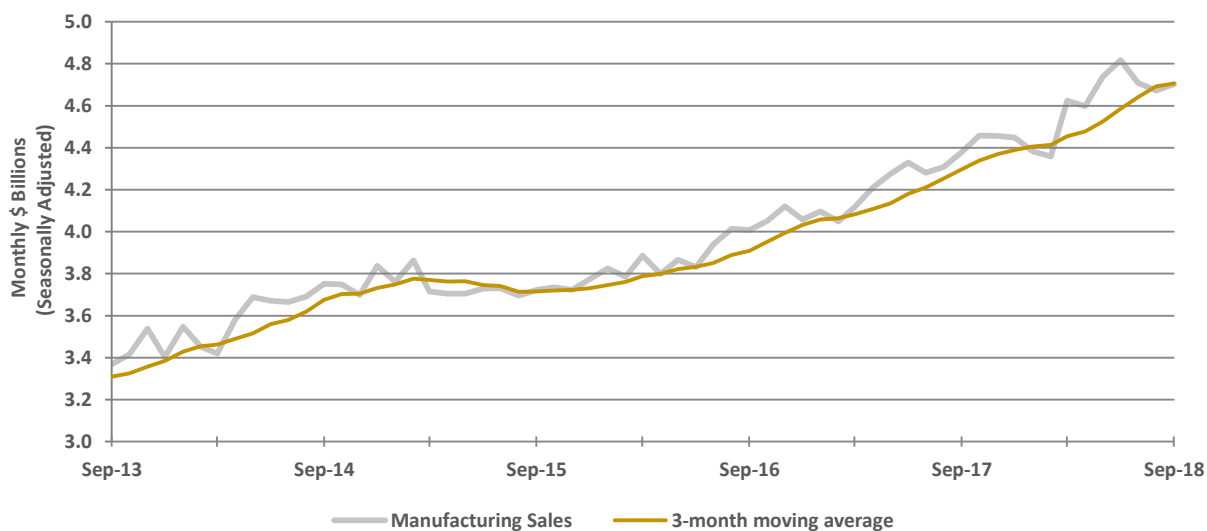


Source: Statistics Canada; North American Industry Classification System (NAICS 23), not seasonally adjusted

The B.C. construction industry has been on a strong upswing in the last two years. Employment levels increased 0.4 percent from October 2017 to October 2018. In October, employment month-over-month growth increased 0.2 percent and labour force increased 0.6 percent. The unemployment rate in B.C.'s construction industry increased 0.2 percentage points in October to 2.3 percent from September.

B.C. ECONOMY

Exhibit 3.7 Manufacturing Sales

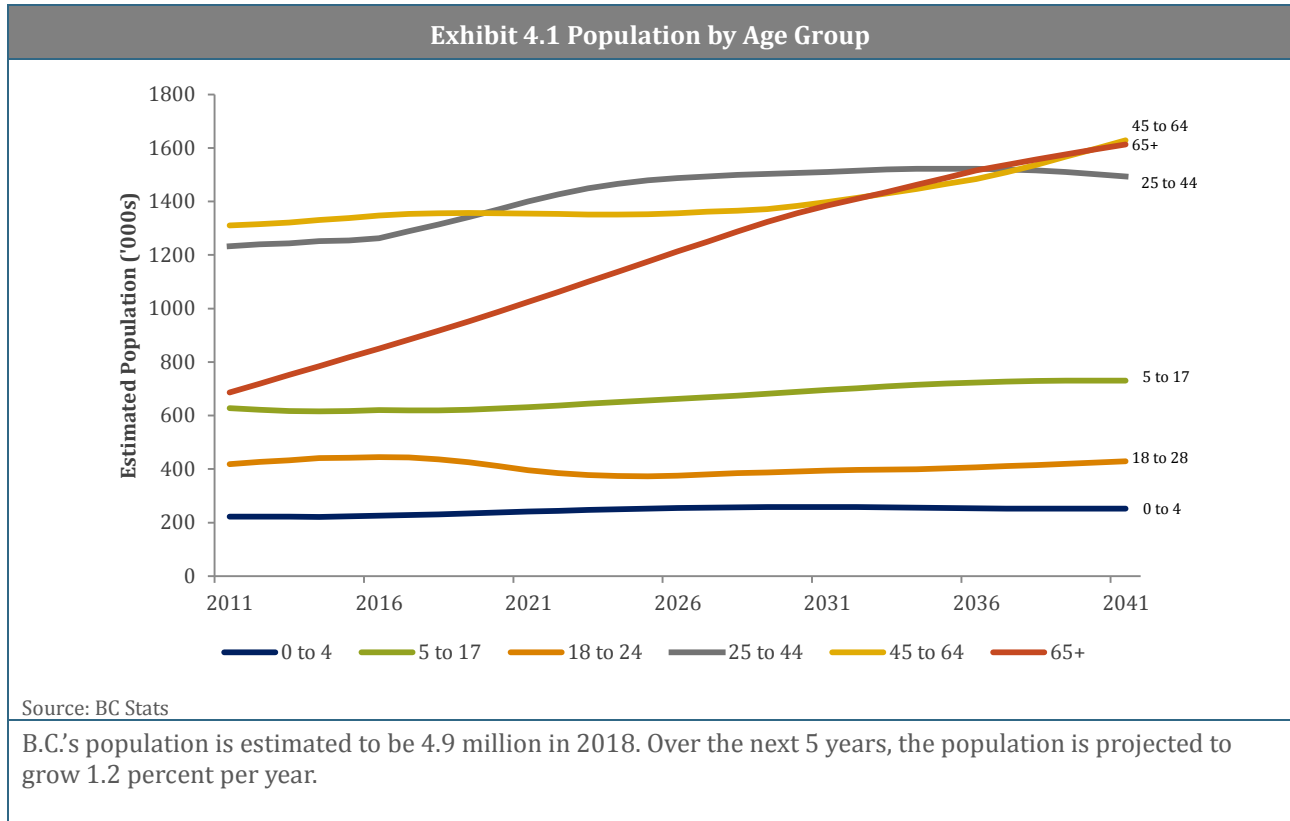


Source: Statistic Canada

B.C.'s manufacturing sales increased 0.7 percent up to \$4.7 B in September 2018. Sales were 7.4 percent higher compared to one year ago.

B.C. DEMOGRAPHICS

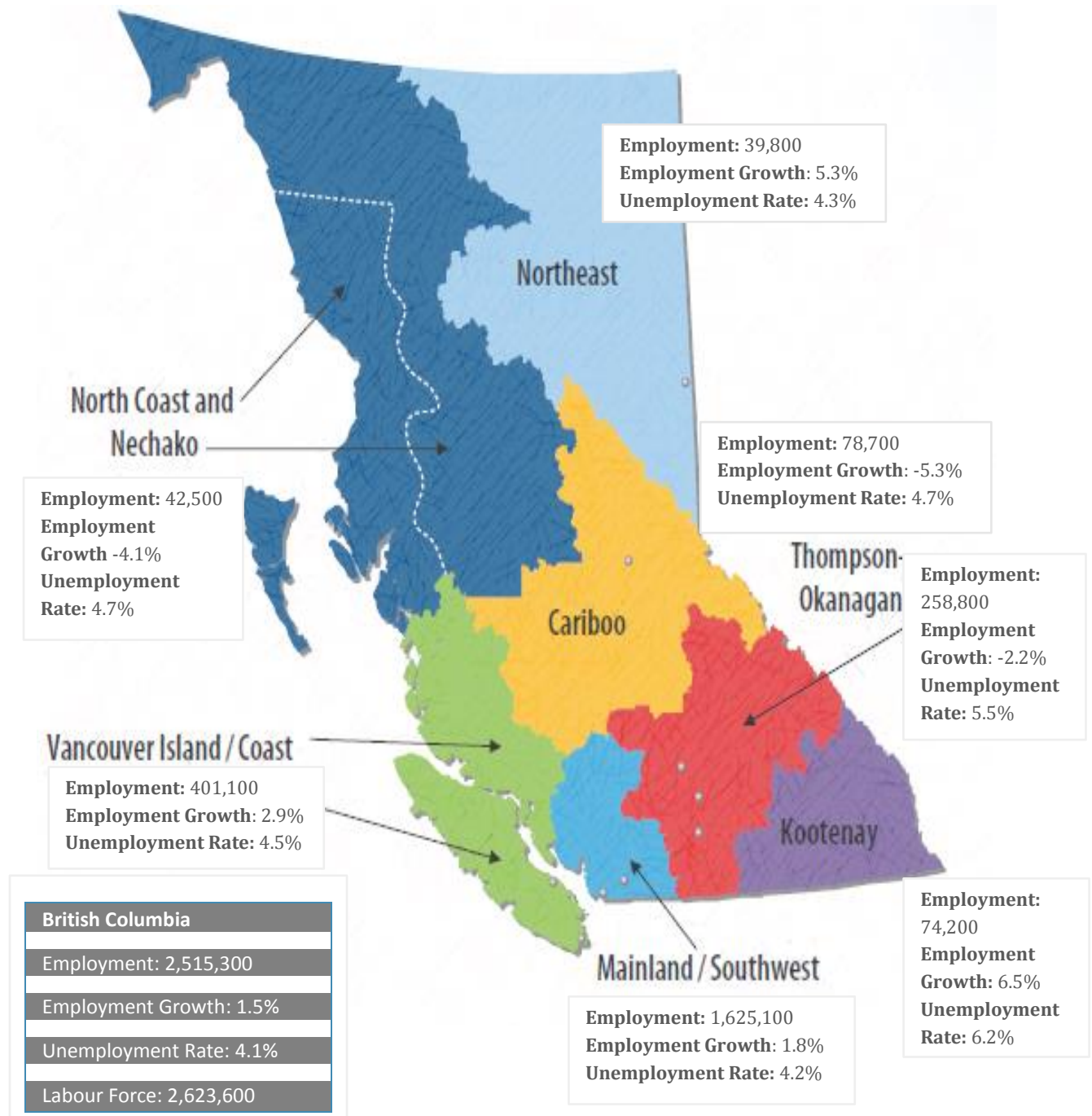
4. B.C. Demographics



REGIONAL SUMMARIES

5. Regional Summaries

Regional Labour Market Statistics – October 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.

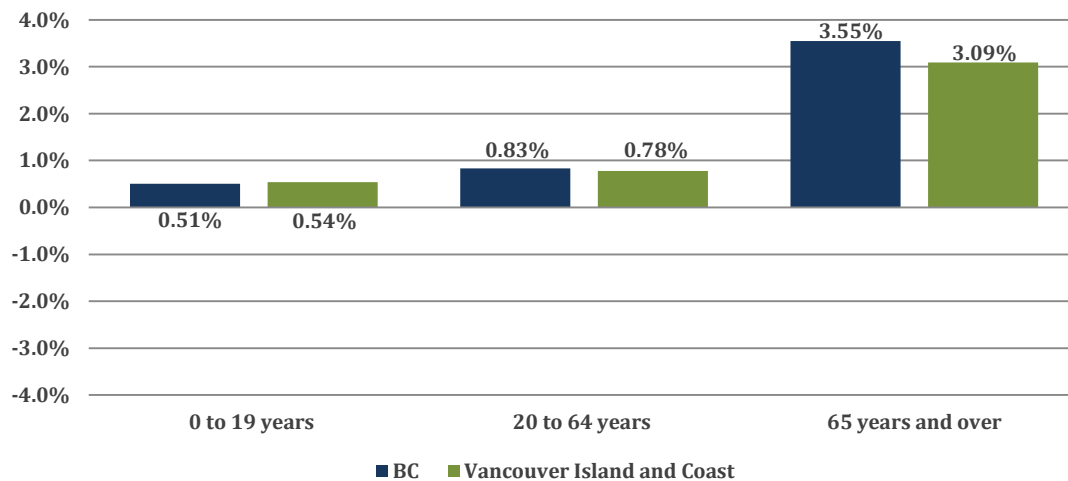
Source: Statistics Canada

VANCOUVER ISLAND/COAST REGION

6. Vancouver Island/Coast Region

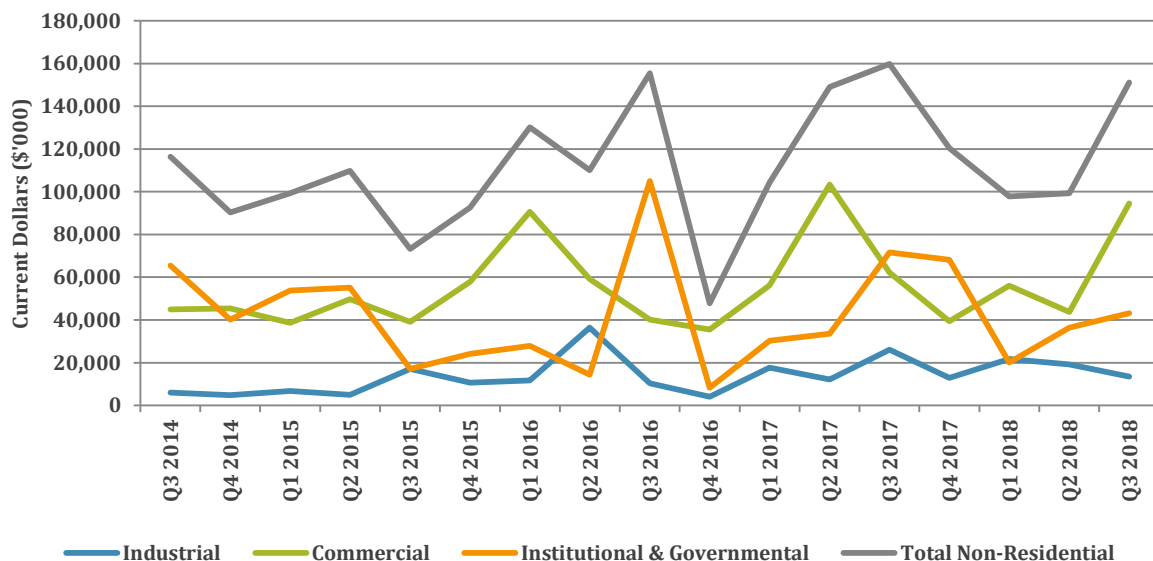
Key Economic Indicators

Exhibit 6.1 Population Growth 2016 - 2017



Source: BC Stats

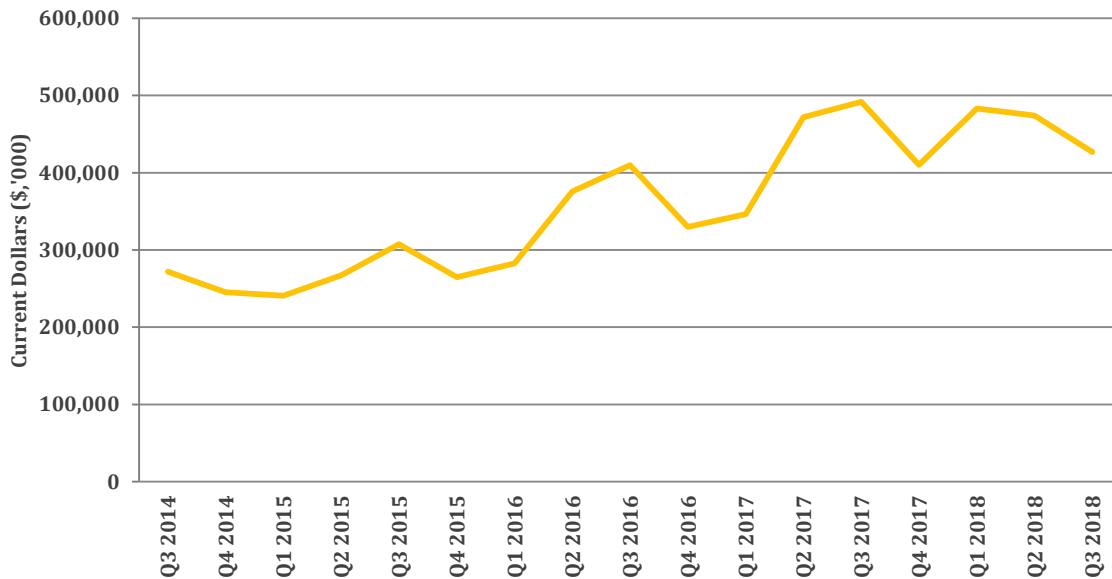
Exhibit 6.2 Value of Non-Residential Building Permits



Source: BC Stats

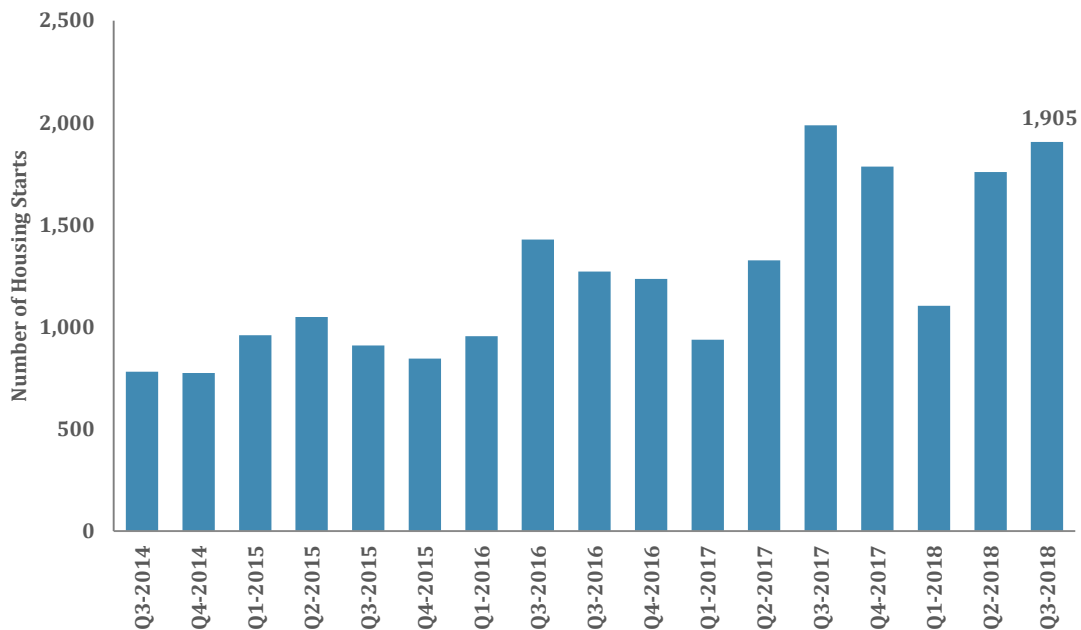
VANCOUVER ISLAND/COAST REGION

Exhibit 6.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 6.4 Housing Starts

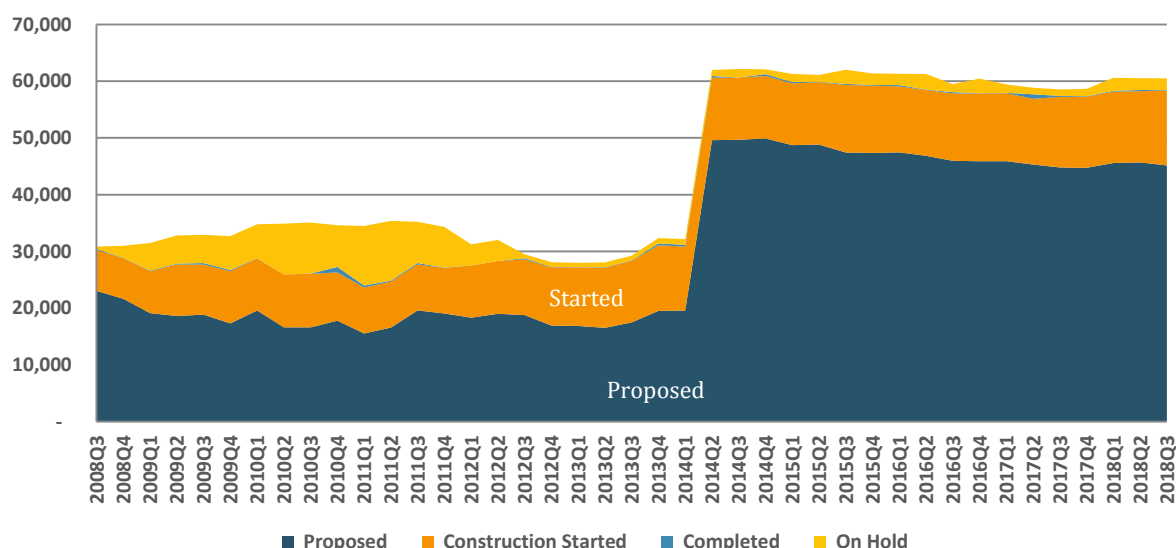


Source: CMHC

VANCOUVER ISLAND/COAST REGION

Trends in Major Projects

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



- In Q3 2018, the Vancouver Island/Coast region has a total of 155 major projects with a combined value of \$60.5 B, nearly remaining the same as last quarter and a 3.3 percent increase compared to one year earlier.
- There are 6 newly proposed projects added to the MPI this quarter: Comox Valley Water Treatment Plant (\$111 M), Aquara in Victoria West Seniors Complex (\$20 M), The Affinity Lowrise Condominium (\$16 M), Fifteen88 Condominium (\$15 M), 1010 Fort Street Condominium (\$15 M) and Cowichan District Hospital Replacement.
- Two major projects were completed in this quarter: Vancouver Island University - Health Science Centre (\$41 M) and Legato Condominium Development (\$27 M).
- Dockside Green Development (\$650 M), Sandown Commons Retail Centre (\$40 M) and Seniors Complex at 10 Buttertubs Dr, Nanaimo (\$28 M) began construction in this quarter.

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

Status	2017Q3	2017Q4	2018Q1	2018Q2	2018Q3	Change from the previous quarter	Change from the previous year
Proposed	44,800	44,733	45,578	45,685	45,157	-1.2%	0.8%
Construction started	12,431	12,522	12,571	12,557	13,205	5.2%	6.2%
Completed	175	98	144	204	68	-66.7%	-61.1%
On hold	1,148	1,298	2,298	2,073	2,073	0.0%	80.6%
Grand Total	58,554	58,651	60,591	60,519	60,503	0.0%	3.3%

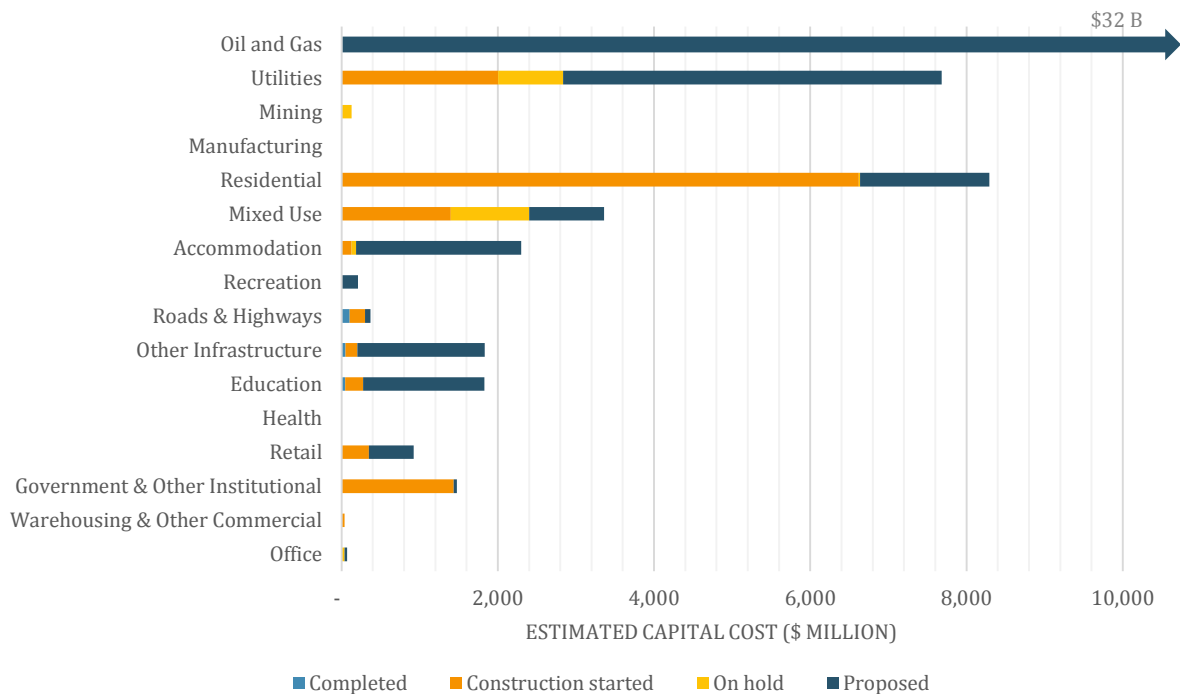
VANCOUVER ISLAND/COAST REGION

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	45,157	75%	81	602	5.9
Preliminary/Feasibility	2,270	4%	25	108	4.6
Consultation/Approvals	37,995	63%	36	1118	6.3
Permitting	623	1%	6	104	4.4
Tender/Preconstruction	669	1%	8	84	4.1
Stage Unknown	3600	6%	6	600	12.1
On hold	2,073	3%	10	230	11.3
Construction started	13,205	22%	62	220	7.2
Completed	68	0%	2	34	2.8
Total	60,503	100%	155	414	6.7

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.

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



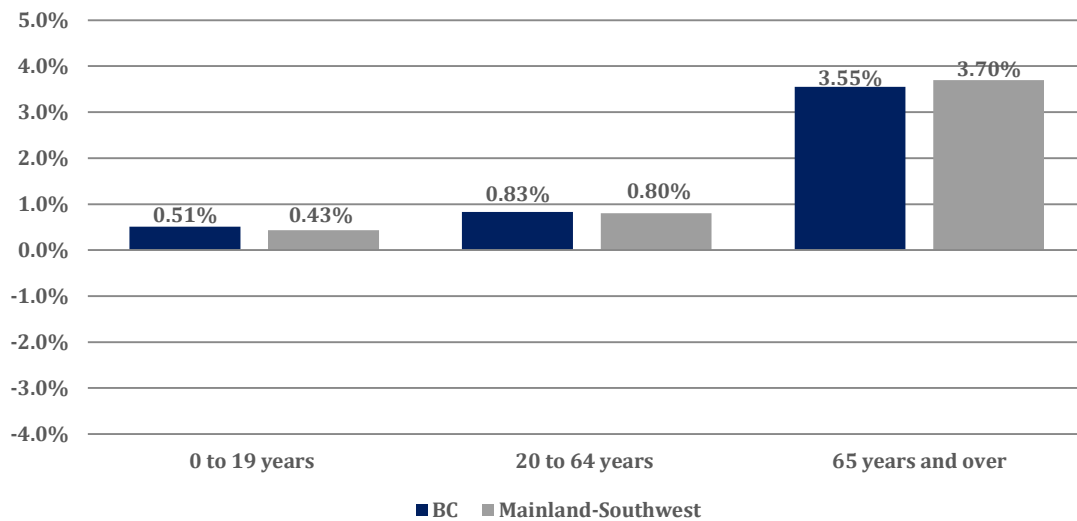
Note: Oil and Gas Extraction include Natural Gas Processing & Natural Gas Compressor

MAINLAND/SOUTHWEST REGION

7. Mainland/Southwest Region

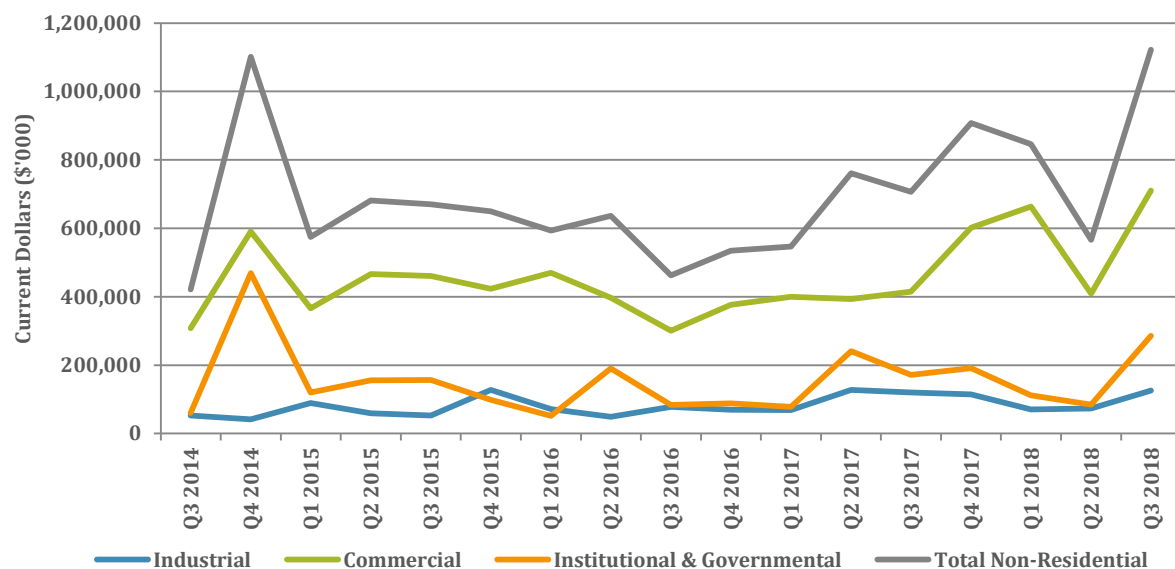
Key Economic Indicators

Exhibit 7.1 Population Growth 2016 - 2017



Source: BC Stats

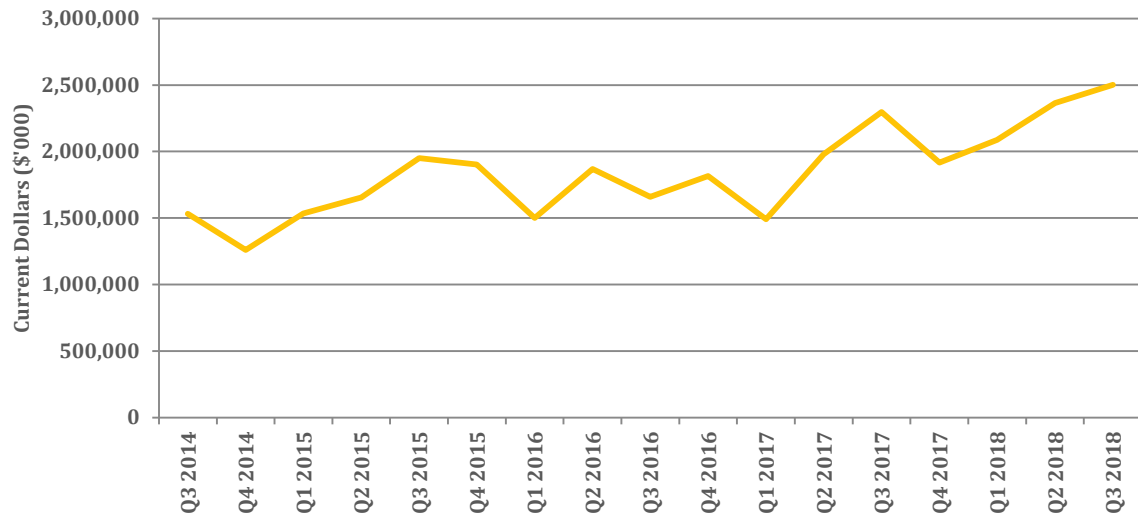
Exhibit 7.2 Value of Non-Residential Building Permits



Source: BC Stats

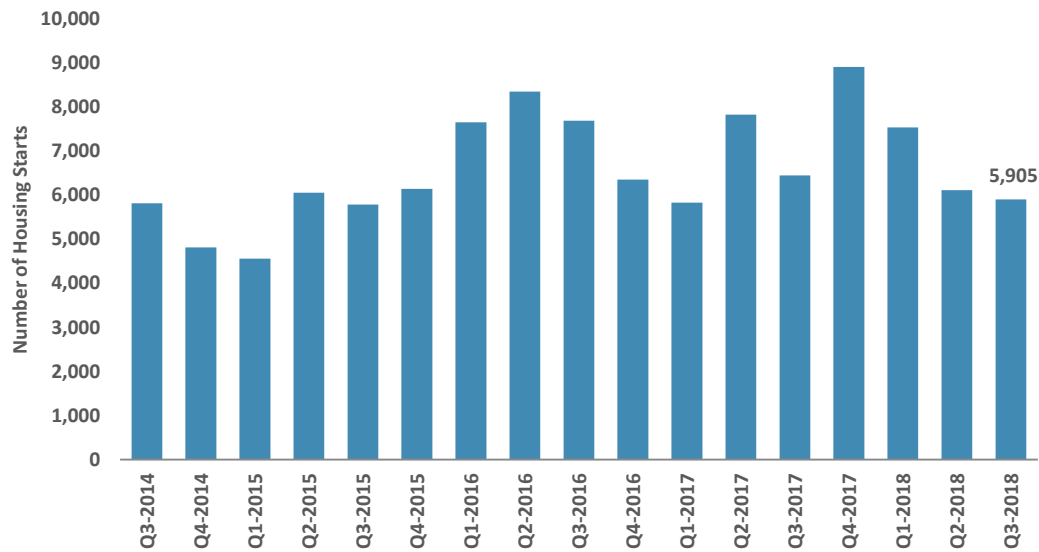
MAINLAND/SOUTHWEST REGION

Exhibit 7.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 7.4 Housing Starts



Source: CMHC

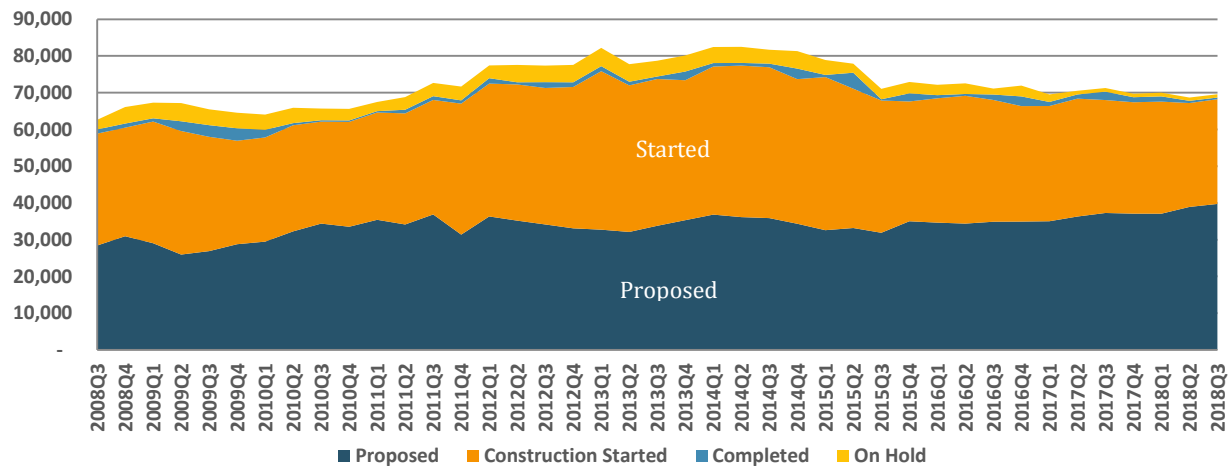
Note: The housing starts are the sum of the major centres: Abbotsford-Mission, Chilliwack, Squamish, and Vancouver.

MAINLAND/SOUTHWEST REGION

Trends in Major Projects

Exhibit 7.5 Estimated Cost Trends in Major Projects (\$M)

Mainland/Southwest Region



- In Q3 2018, the Mainland/Southwest region has a total of 521 major projects with a combined value of \$69.6 B, representing a 1.3 percent increase over the previous quarter while a 2.4 percent decrease compared to one year earlier.
- There are 33 newly proposed projects added to the MPI this quarter. The top three largest projects are University District Condominiums (\$120 M), Burnaby North Secondary School Replacement (\$79 M), and Park George Condominium (\$65 M). See more new projects in Appendix 1.
- Nine major projects were completed in this quarter such as The Village at Park Royal Expansion (\$180 M), Juniper Apartments at Timber Court (\$45 M) and Peter Wall Yaletown Condominium (\$45 M). See more completed projects in Appendix 3.
- Eighteen major projects began construction in this quarter with total capital costs of \$626 M. The top three largest projects are Abbotsford Law Courts (\$158 M), Hilton Hotel and Residential Tower (\$90 M), and Triomphe Condominium (\$54 M). See more projects underway in Appendix 2.

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

Mainland/Southwest Region

Status	2017Q3	2017Q4	2018Q1	2018Q2	2018Q3	Change from the previous quarter	Change from the previous year
Proposed	37,267	37,088	37,070	38,912	39,725	2.1%	6.6%
Construction started	30,737	30,324	30,509	28,283	28,515	0.8%	-7.2%
Completed	2,285	1,364	1,424	600	451	-24.8%	-80.3%
On hold	992	952	1008	892	892	0.0%	-10.1%
Grand Total	71,281	69,728	70,011	68,687	69,583	1.3%	-2.4%

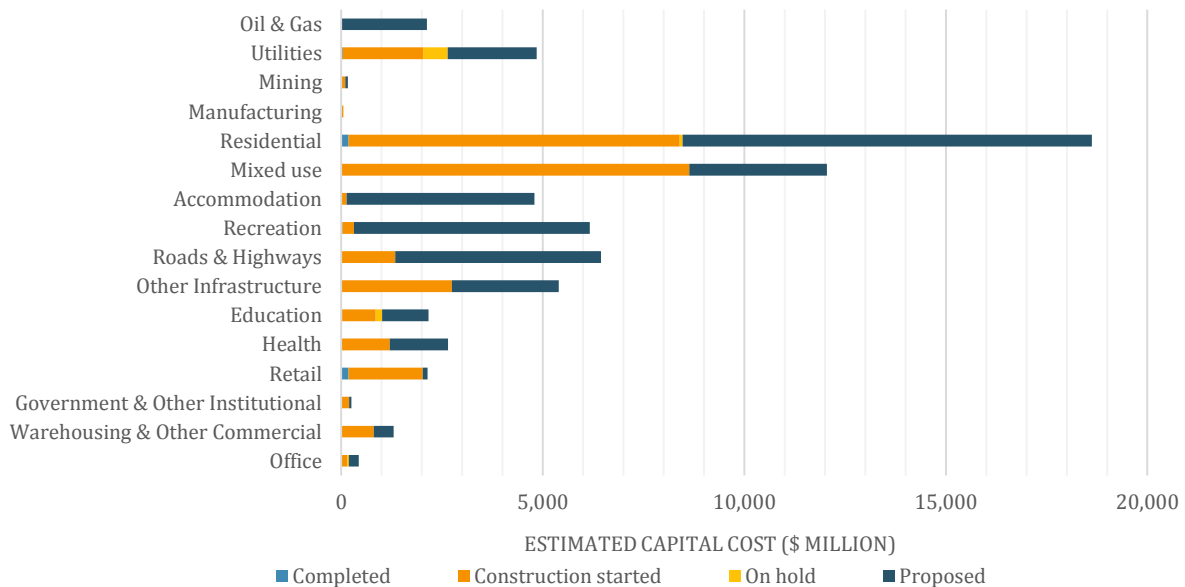
MAINLAND/SOUTHWEST REGION

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	39,725	57%	299	152	3.8
Preliminary/Feasibility	5,765	8%	62	125	3.9
Consultation/Approvals	12,345	18%	113	125	4.7
Permitting	2,383	3%	21	125	2.6
Tender/Preconstruction	7,761	11%	79	103	1.8
Stage Unknown	11,471	16%	24	499	7.6
On Hold	892	1%	10	99	10.5
Construction Started	28,515	41%	203	143	5.0
Completed	451	1%	9	50	5.0
Total	69,583	100%	521	145	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.

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



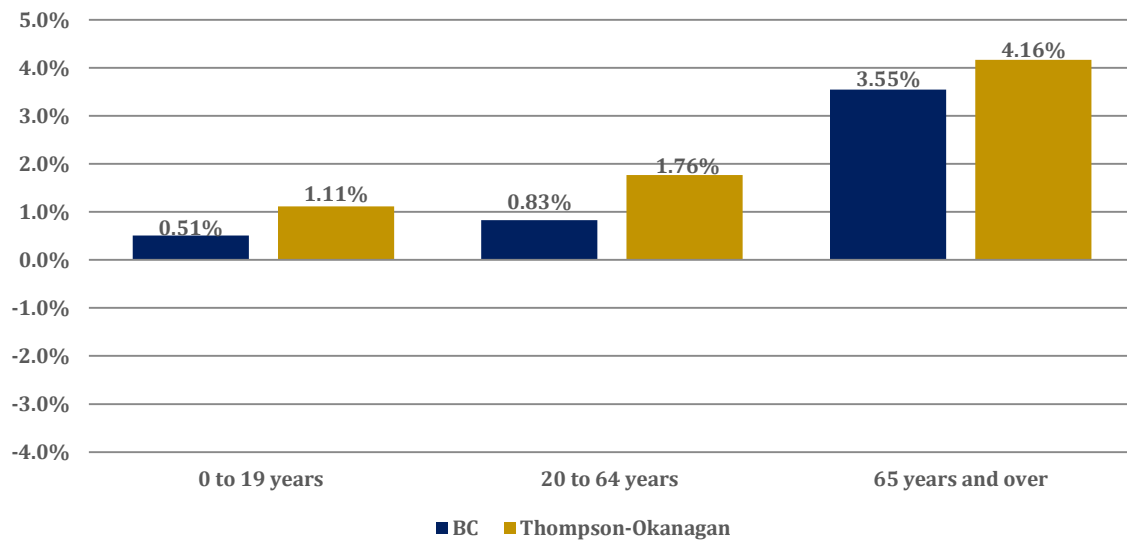
Note: Oil and Gas Extraction include Natural Gas Processing & Natural Gas Compressor

THOMPSON - OKANAGAN REGION

8. Thompson - Okanagan Region

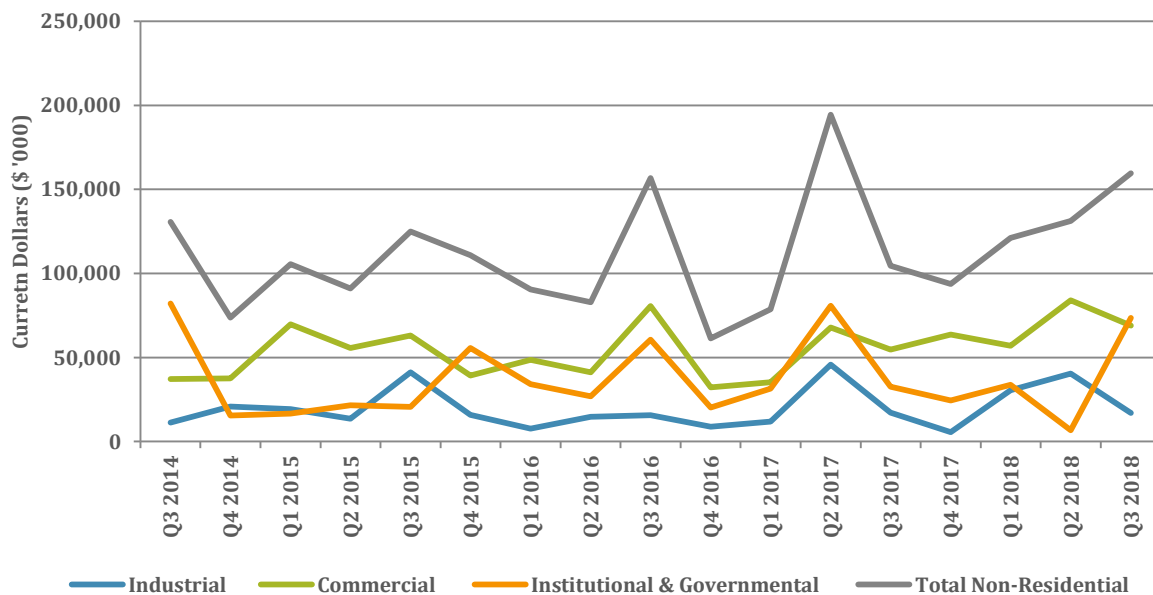
Key Economic Indicators

Exhibit 8.1 Population Growth 2016 - 2017



Source: BC Stats

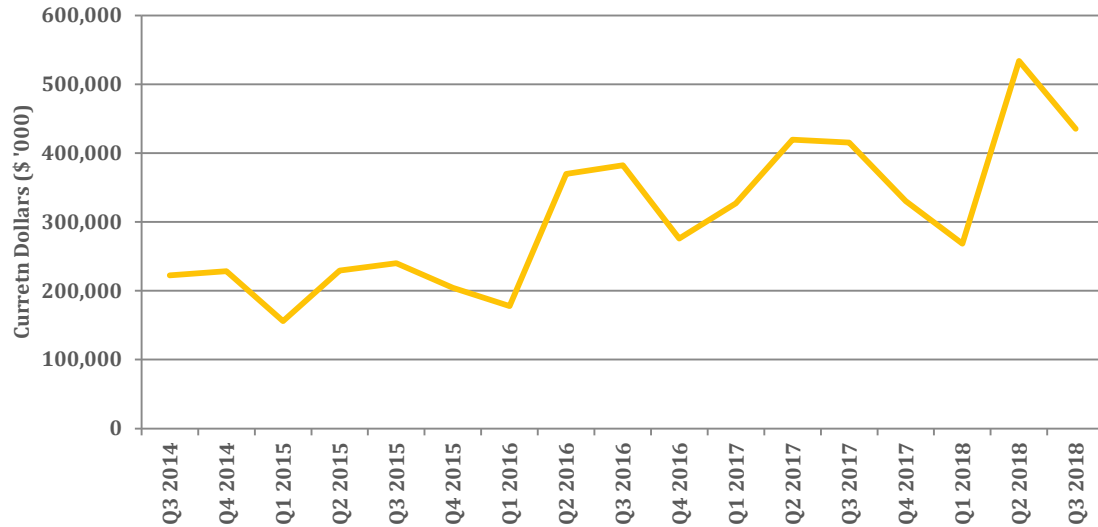
Exhibit 8.2 Value of Non-Residential Building Permits



Source: BC Stats

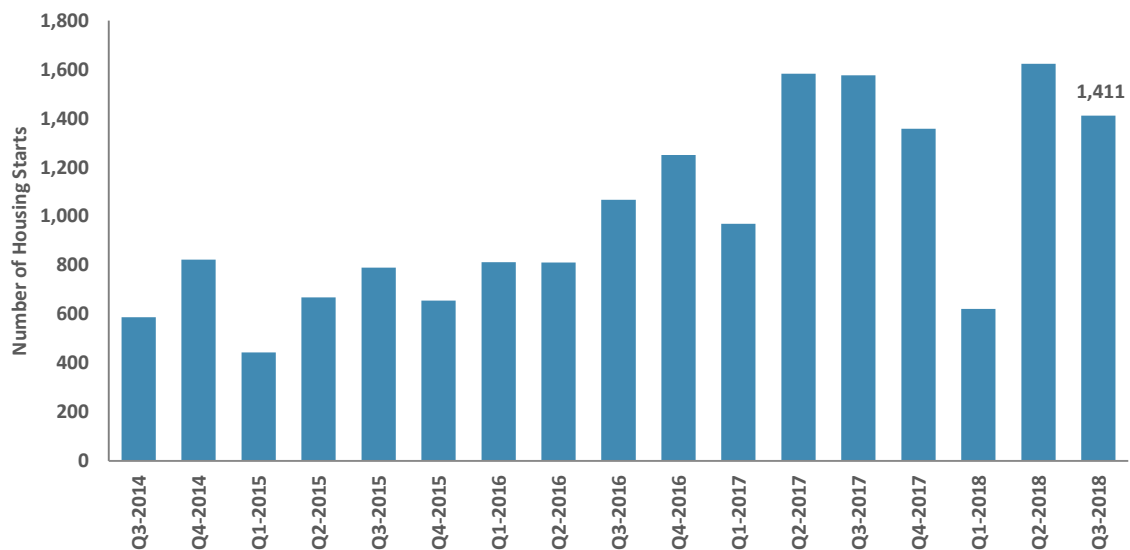
THOMPSON - OKANAGAN REGION

Exhibit 8.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 8.4 Housing Starts



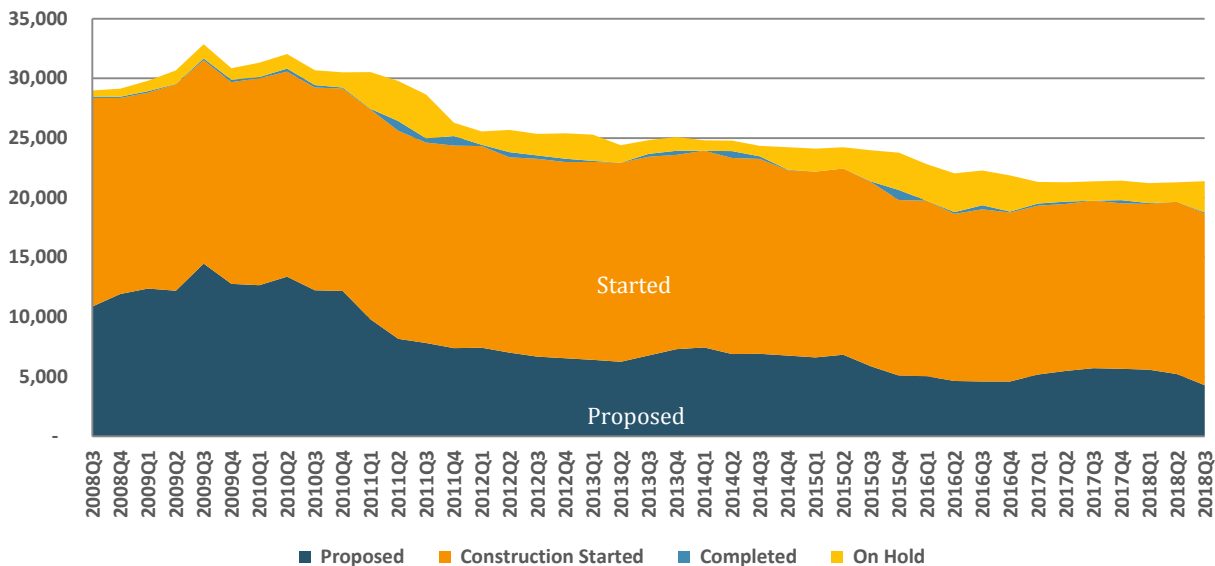
Source: CMHC

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 Q3 2018, the Thompson-Okanagan region has a total of 112 major projects with a combined value of \$21.4 B, representing a 0.4 percent increase over the previous quarter and remaining relatively unchanged compared to one year earlier.
- There are 2 newly proposed projects added to the MPI this quarter: The 24 Condominium Tower (\$55 M) and IntraUrban Industrial Park (\$15 M)
- Three major projects were completed in this quarter such as the Highway 1 North Fork Bridge Replacement (\$38 M), Trades and Technology Building in Kamloops (\$32 M) and Landmark Place at Landmark Heights (\$20 M).
- TRU Upper College Heights Student Housing (\$37 M), Mica 600V Circuit Breaker Upgrades Project (\$19 M) and OKAN Health Sciences Building (\$19 M) began construction in this quarter.

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

Status	2017Q3	2017Q4	2018Q1	2018Q2	2018Q3	Change from the previous quarter	Change from the previous year
Proposed	5,703	5,653	5,574	5,210	4,276	-17.9%	-25.0%
Construction started	14,038	13,872	13,892	14,438	14,387	-0.4%	2.5%
Completed	0	260	70	0	90	0.0%	0.0%
On hold	1,622	1,637	1,677	1,638	2,621	60.0%	61.6%
Grand Total	21,363	21,422	21,213	21,286	21,374	0.4%	0.1%

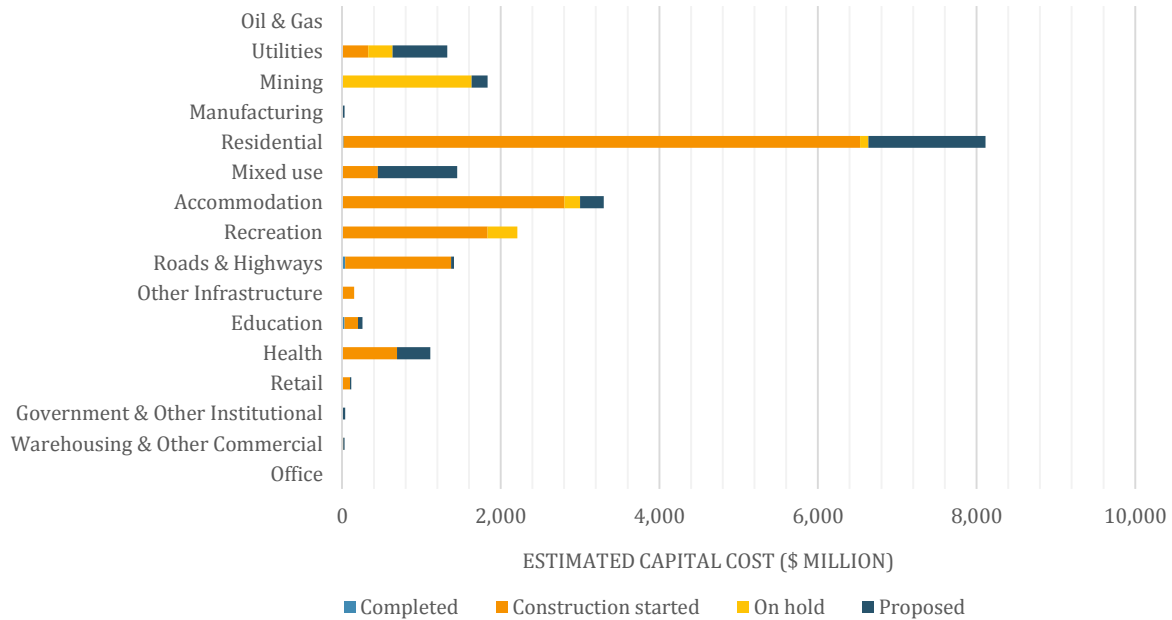
THOMPSON - OKANAGAN REGION

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	4,276	20%	41	116	6.7
Preliminary/Feasibility	310	1%	10	44	5.6
Consultation/Approvals	2,843	13%	17	167	7.6
Permitting	264	1%	3	88	6.8
Tender/Preconstruction	475	2%	3	158	1.7
Stage Unknown	384	2%	8	55	8.1
On hold	2,621	12%	10	262	12.3
Construction started	14,387	67%	58	252	8.3
Completed	90	0%	3	30	3.6
Total	21,374	100%	112	200	8.0

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.

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

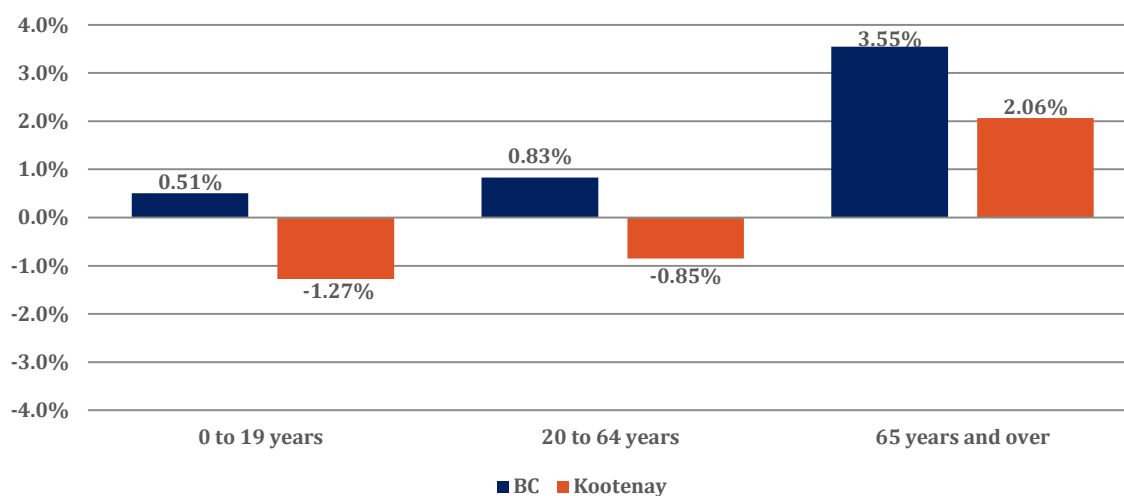


KOOTENAY REGION

9. Kootenay Region

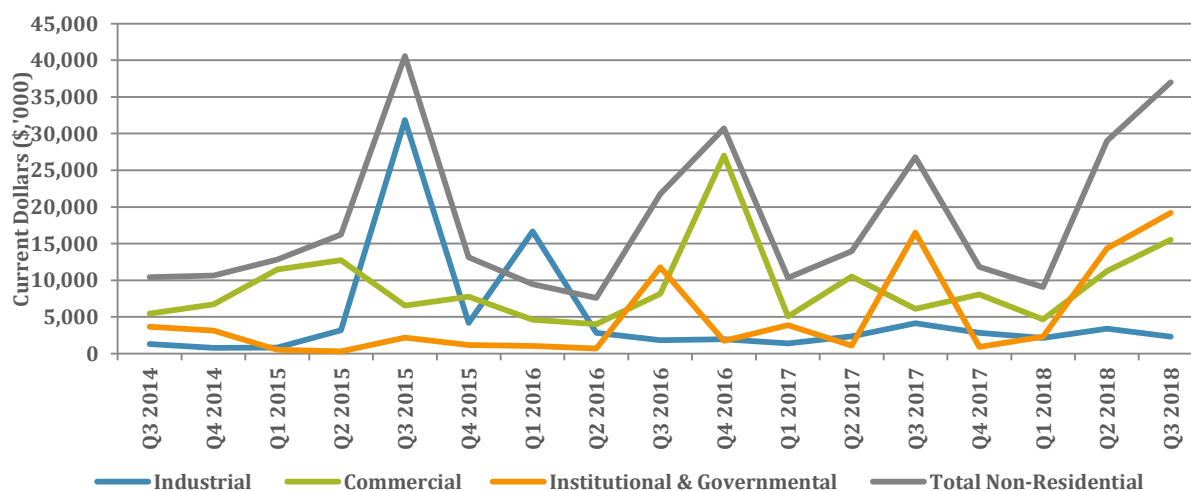
Key Economic Indicators

Exhibit 9.1 Population Growth 2016 - 2017



Source: BC Stats

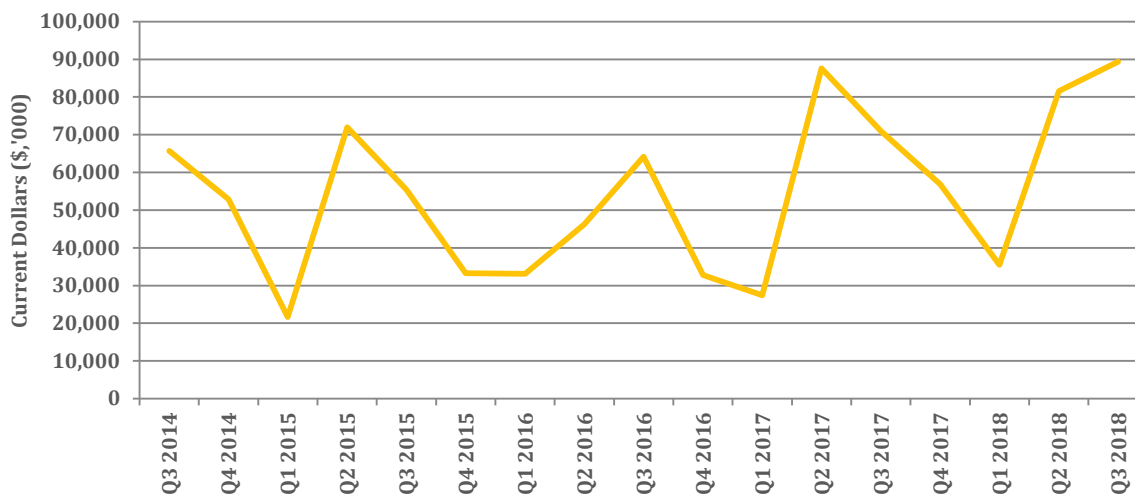
Exhibit 9.2 Value of Non-Residential Building Permits



Source: BC Stats

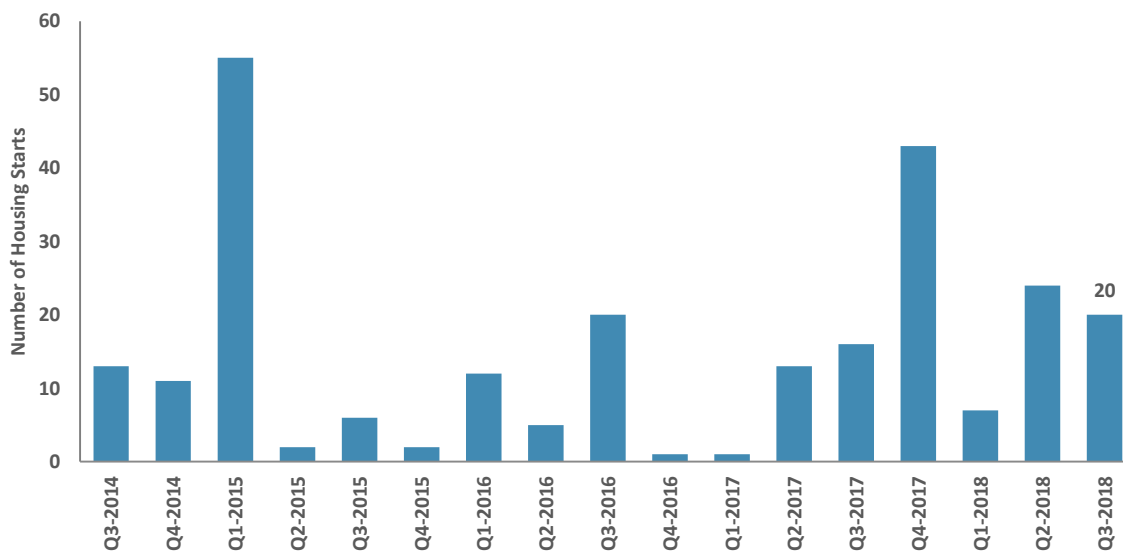
KOOTENAY REGION

Exhibit 9.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 9.4 Housing Starts - Nelson

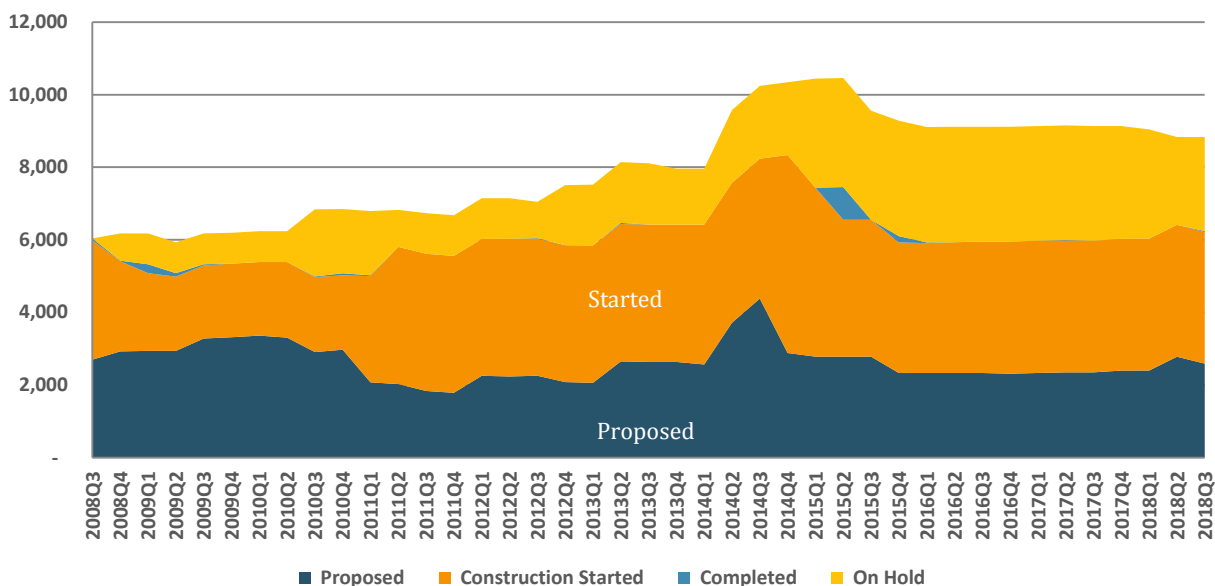


Source: CMHC

KOOTENAY REGION

Trends in Major Projects

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



- In Q3 2018, the Kootenay region had a total of 29 major projects with a combined value of \$8.8 B, remaining the same as the previous quarter and representing a 3.3 percent decrease compared to one year earlier.
- Fernie Substation Upgrade and Feeder Addition (\$28 M) was completed in this quarter.
- Kootenay Boundary Regional Hospital Upgrades (\$19 M) began construction in this quarter.

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

Status	2017Q3	2017Q4	2018Q1	2018Q2	2018Q3	Change from the previous quarter	Change from the previous year
Proposed	2,349	2,399	2,399	2,779	2,590	-6.8%	10.3%
Construction started	3,626	3,626	3,634	3,634	3,623	-0.3%	-0.1%
Completed	-	-	-	-	28	0.0%	-
On hold	3,160	3,110	3,010	2,420	2,592	7.1%	-18.0%
Grand Total	9,135	9,135	9,043	8,833	8,833	0.0%	-3.3%

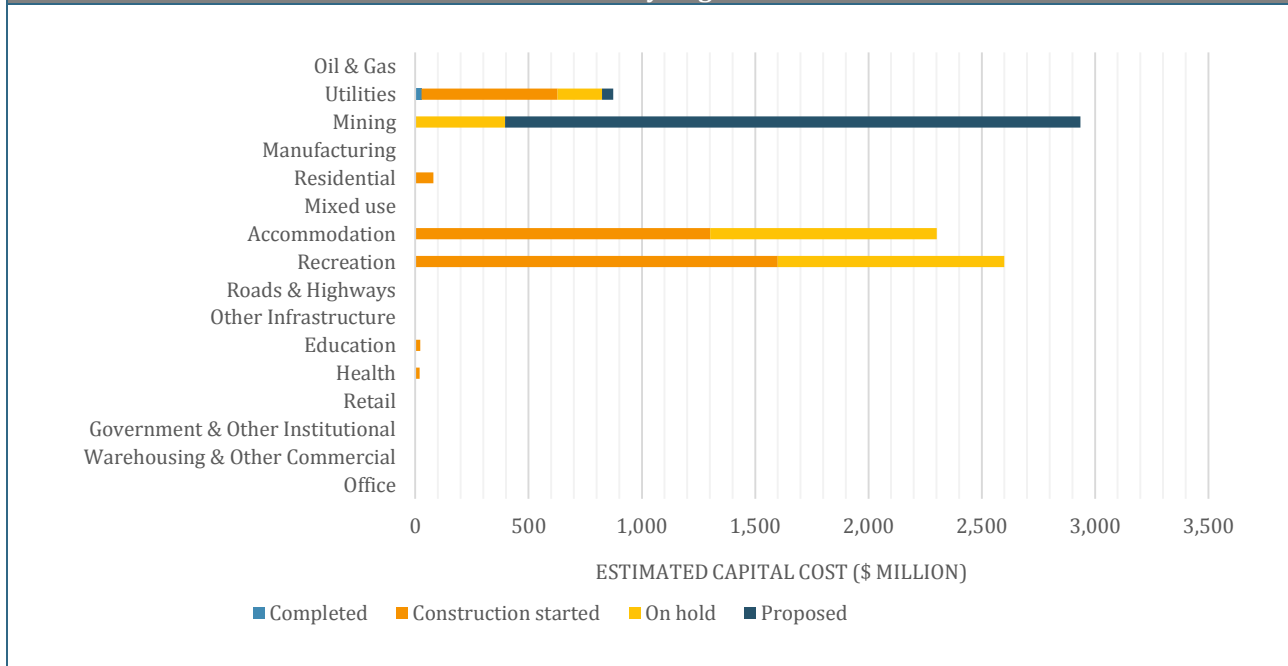
KOOTENAY REGION

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	2,590	29%	8	432	6.1
Preliminary/Feasibility	0	0%	2	0	3.1
Consultation/Approvals	2,540	29%	5	508	6.7
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	0	0%	0	0	0.0
Stage Unknown	50	1%	1	50	8.8
On hold	2,592	29%	5	518	13.5
Construction started	3,623	41%	15	242	13.7
Completed	28	0%	1	28	2.3
Total	8,833	100%	29	327	11.2

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.

Exhibit 9.8 Major Projects Status, by Construction Subtype
Kootenay Region

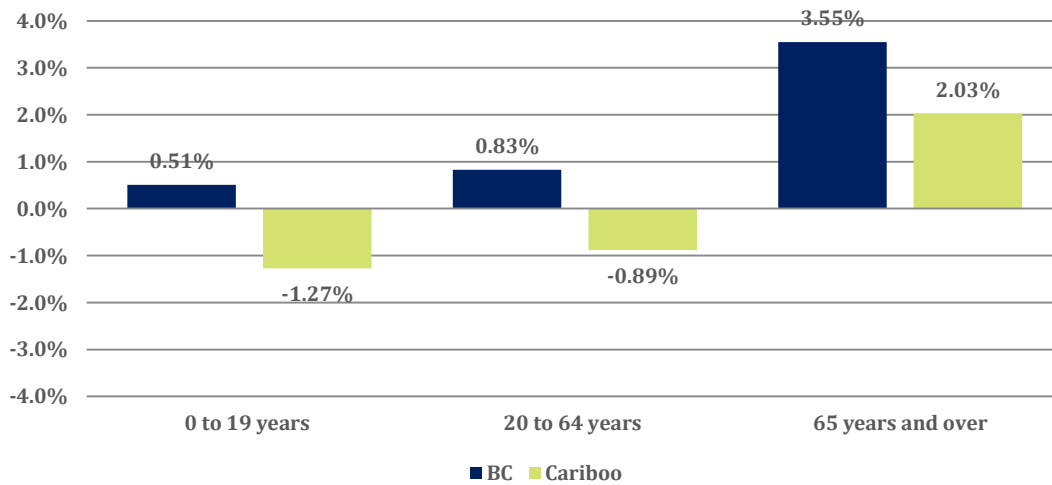


CARIBOO REGION

10. Cariboo Region

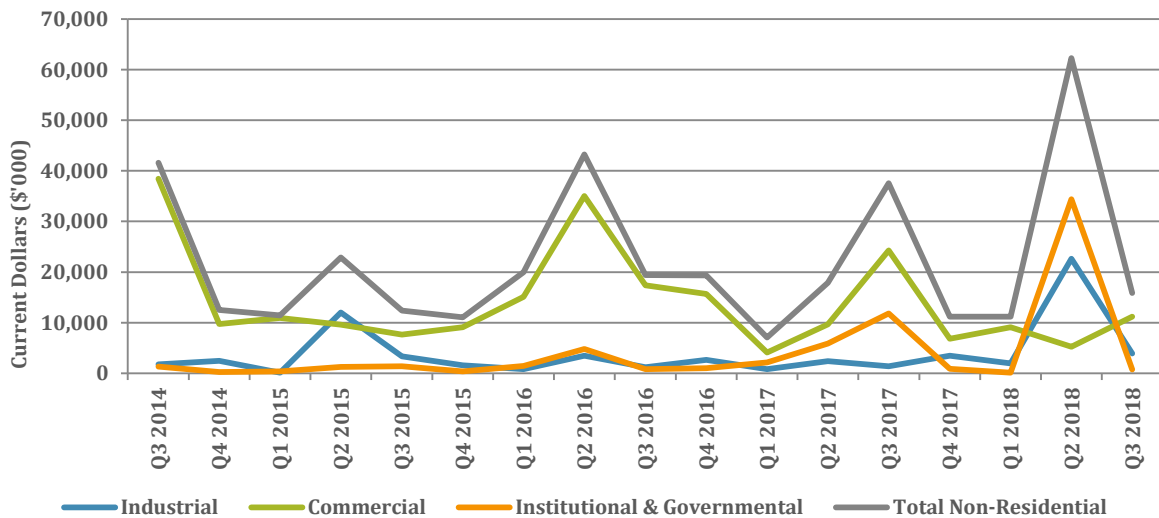
Key Economic Indicators

Exhibit 10.1 Population Growth 2016 - 2017



Source: BC Stats

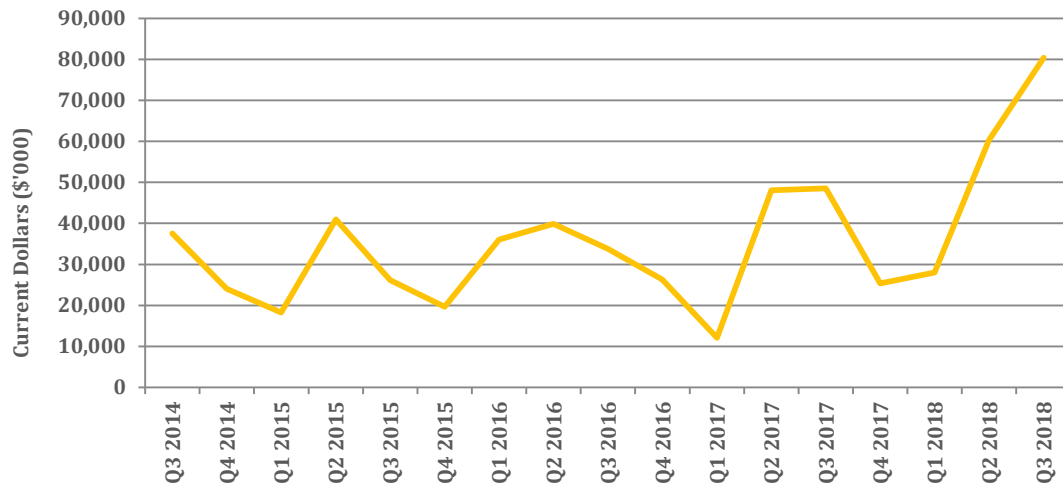
Exhibit 10.2 Value of Non-Residential Building Permits



Source: BC Stats

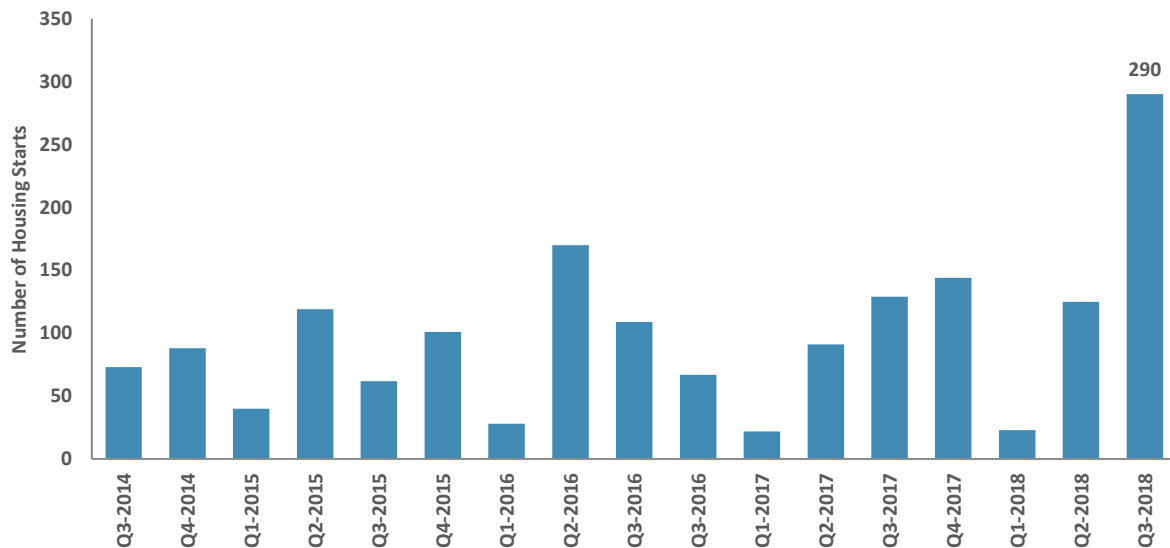
CARIBOO REGION

Exhibit 10.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 10.4 Housing Starts



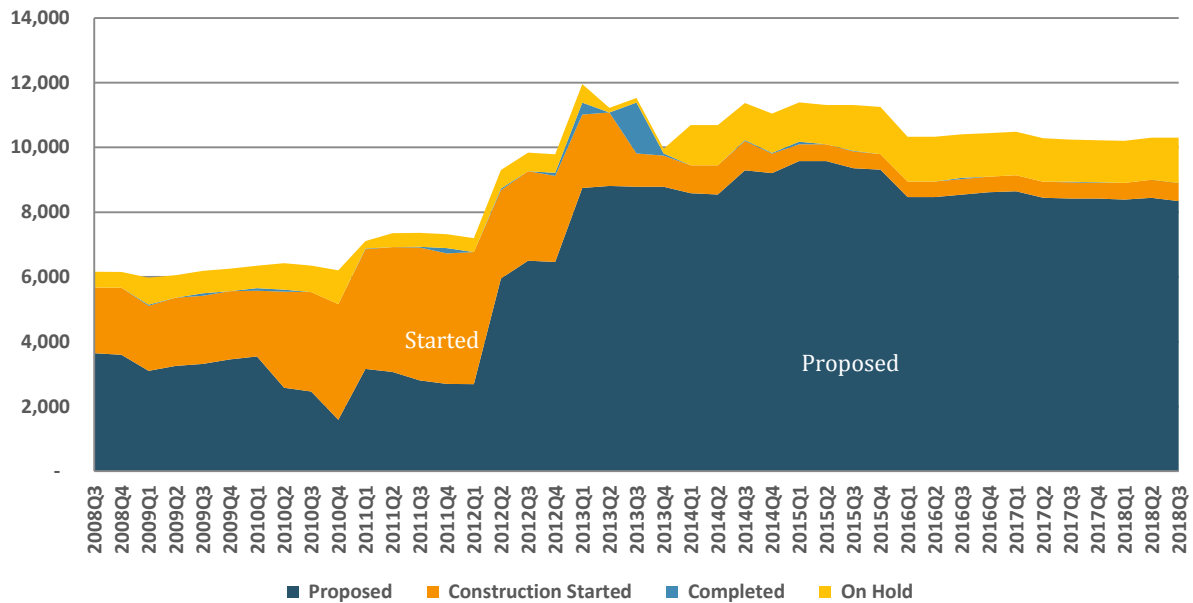
Source: CMHC

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 Q3 2018, the Cariboo region has a total of 27 major projects with a combined value of \$10.3 B, remaining the same as previous quarter and a 0.6 percent increase compared to one year earlier.

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

Status	2017Q3	2017Q4	2018Q1	2018Q2	2018Q3	Change from the previous quarter	Change from the previous year
Proposed	8,422	8,422	8,390	8,443	8,343	-1.2%	-0.9%
Construction started	500	479	515	559	559	0.0%	11.8%
Completed	20	21	0	0	0	0.0%	0.0%
On hold	1,300	1,300	1,300	1,300	1,400	7.7%	7.7%
Grand Total	10,242	10,222	10,205	10,302	10,302	0.0%	0.6%

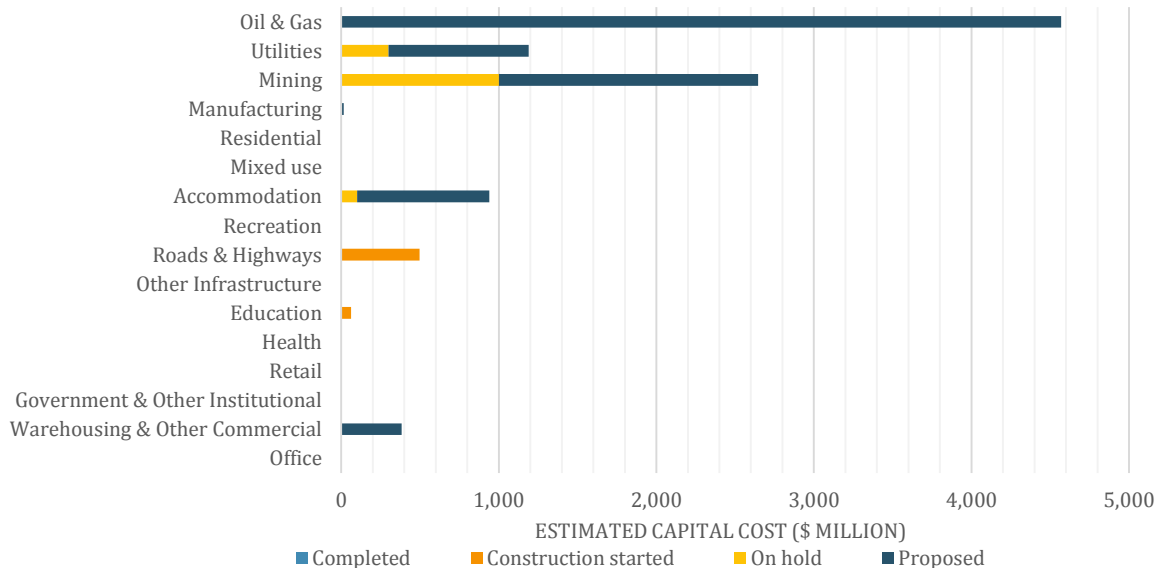
CARIBOO REGION

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	8,343	81%	18	521	7.6
Preliminary/Feasibility	992	10%	5	248	5.0
Consultation/Approvals	2,721	26%	8	389	6.2
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	60	1%	1	60	19.6
Stage Unknown	4,570	44%	4	1143	10.7
On hold	1,400	14%	4	350	15.1
Construction started	559	5%	5	112	4.1
Completed	0	0%	0	0	0.0
Total	10,302	100%	27	412	8.1

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.

Exhibit 10.8 Major Projects Status, by Construction Subtype
Cariboo Region



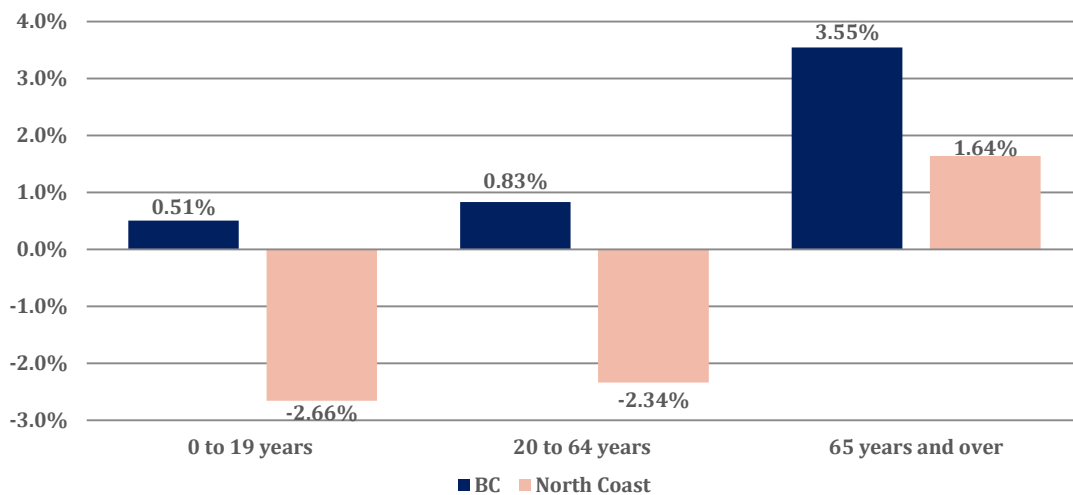
Note: Oil and Gas Extraction include Natural Gas Processing & Natural Gas Compressor

NORTH COAST REGION

11. North Coast Region

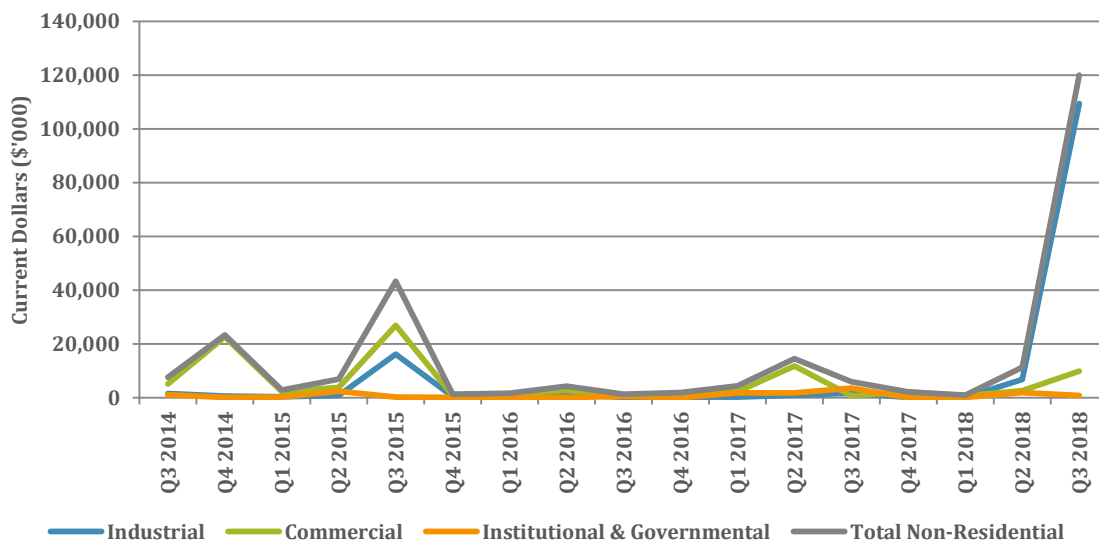
Key Economic Indicators

Exhibit 11.1 Population Growth 2016-2017



Source: BC Stats

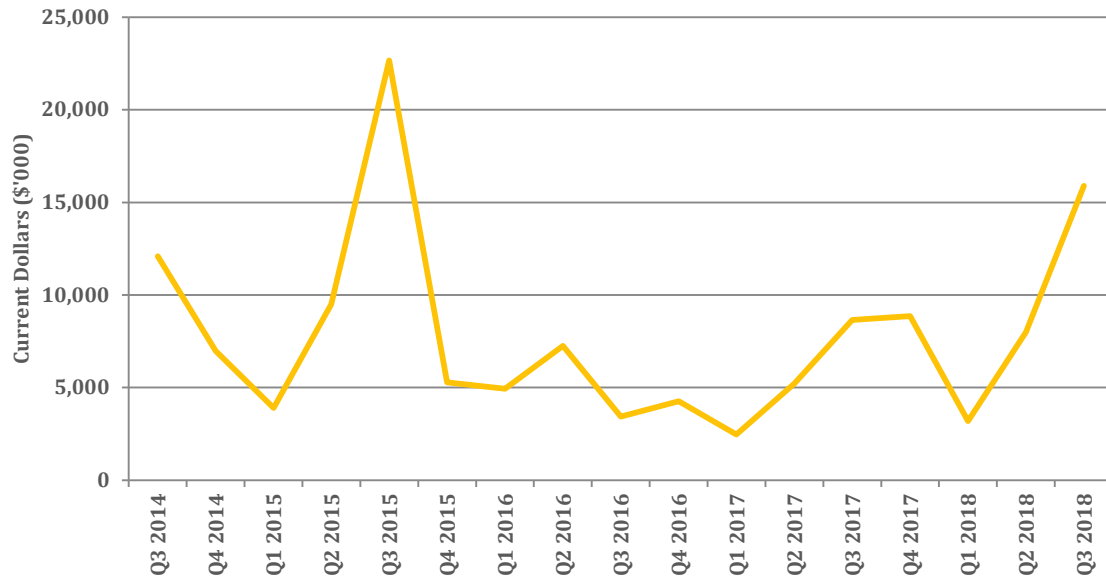
Exhibit 11.2 Value of Non-Residential Building Permits



Source: BC Stats

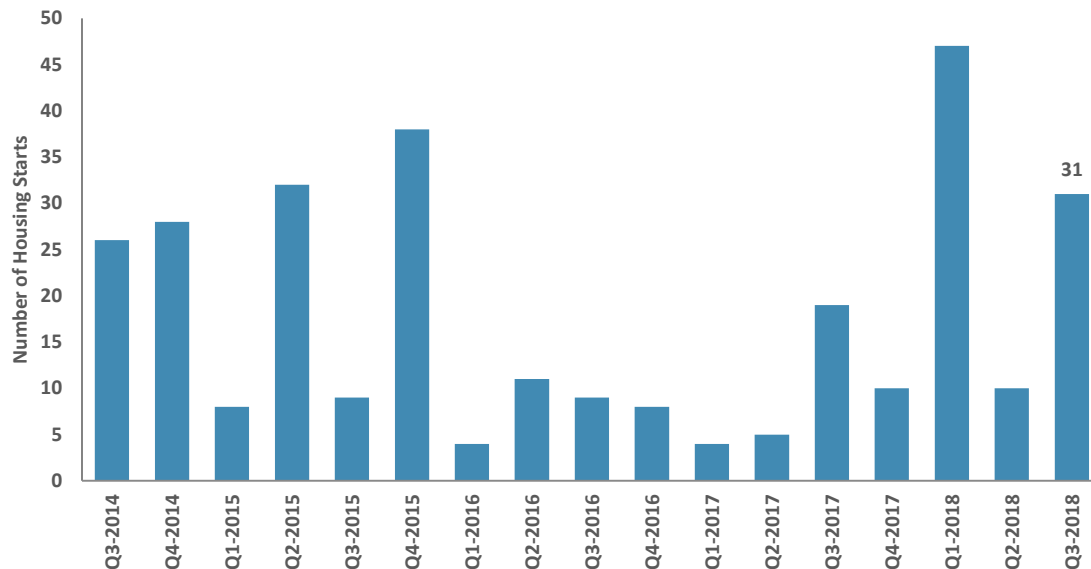
NORTH COAST REGION

Exhibit 11.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 11.4 Housing Starts – North Coast



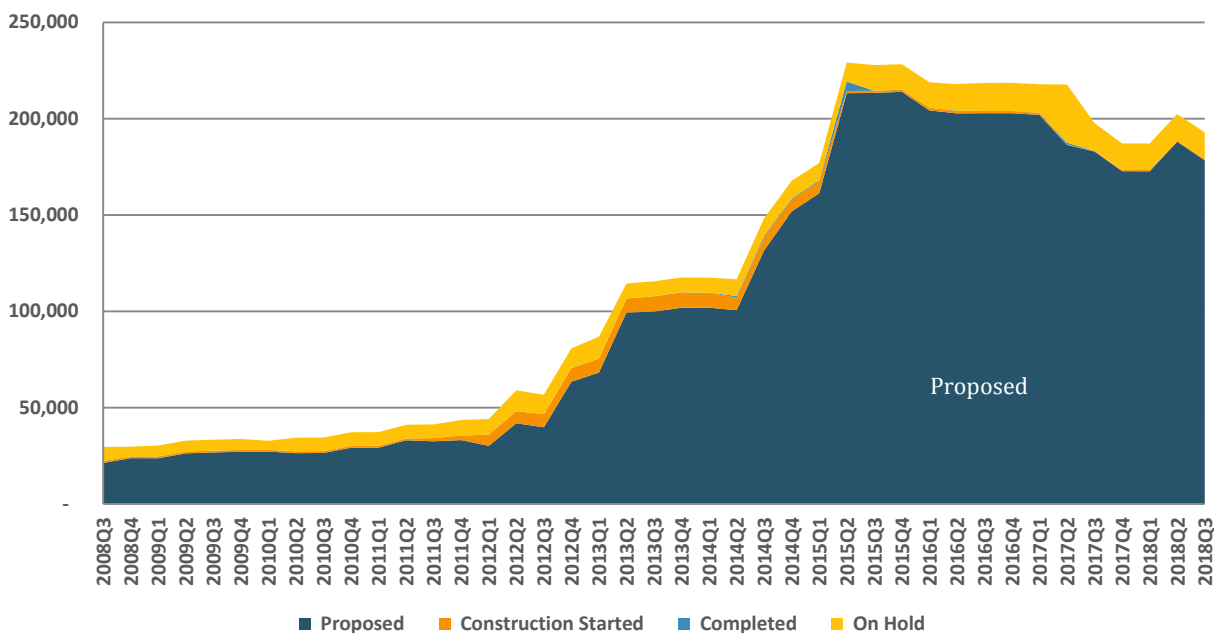
Source: CMHC

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 Q3 2018, the North Coast region has a total of 56 major projects with a combined value of \$192.8 B, representing a 4.8 percent decrease over the previous quarter and 2.4% increase compared to one year earlier.
- Vopak Pacific Canada Storage and Export Facility (\$750 M) is added to the MPI in this quarter.
- Note that the LNG Canada project received a positive final investment decision in October so it will move from its Q3 2018 “proposed” status to “construction started” status in the Q4 2018 MPI.

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

Status	2017Q3	2017Q4	2018Q1	2018Q2	2018Q3	Change from the previous quarter	Change from the previous year
Proposed	182,874	172,684	172,660	187,963	178,348	-5.1%	-2.5%
Construction started	141	616	647	669	669	0.0%	374.5%
Completed	200	0	0	15	0	0.0%	0.0%
On hold	14,397	13,797	13,797	13,770	13,770	0.0%	-4.4%
Grand Total	197,612	187,097	187,104	202,417	192,787	-4.8%	-2.4%

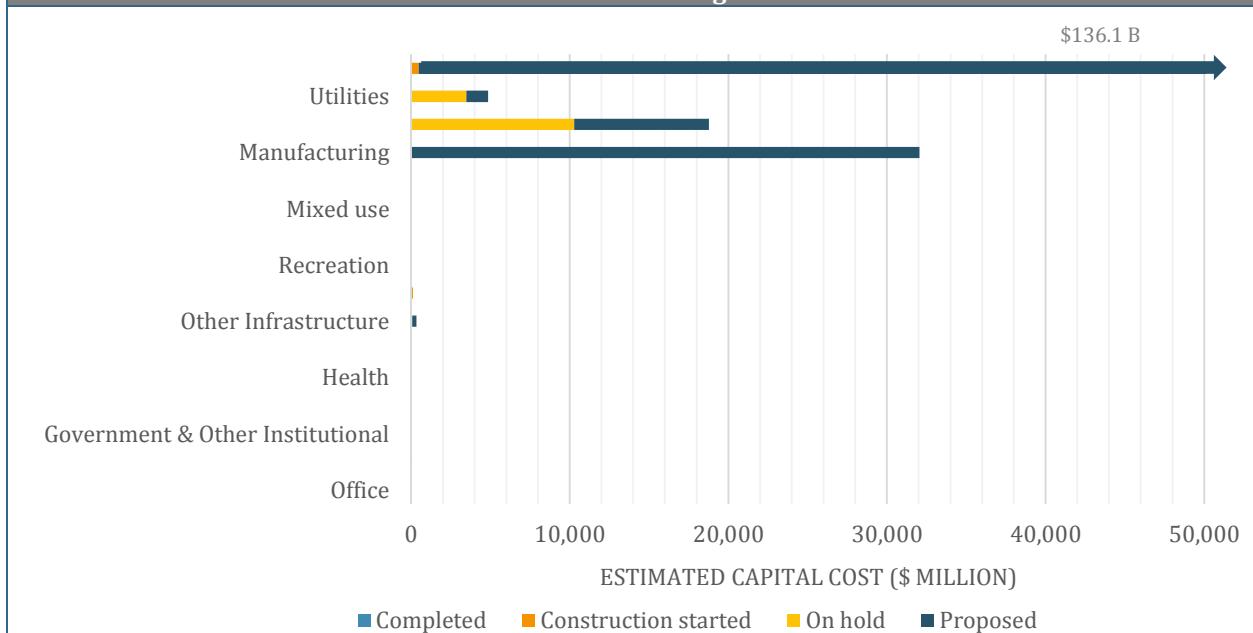
NORTH COAST REGION

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	178,348	93%	40	5,753	6.5
Preliminary/Feasibility	34,965	18%	12	3,885	4.5
Consultation/Approvals	96,862	50%	21	6,054	6.8
Permitting	1,300	1%	1	1,300	14.3
Tender/Preconstruction	40000	21%	2	40000	6.8
Stage Unknown	5,221	3%	4	1,305	9.1
On hold	13,770	7%	10	1,530	11.4
Construction started	669	0%	6	111.5	2.7
Completed	0	0%	0	0	0.0
Total	192,787	100%	56	4,191	7.0

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.

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



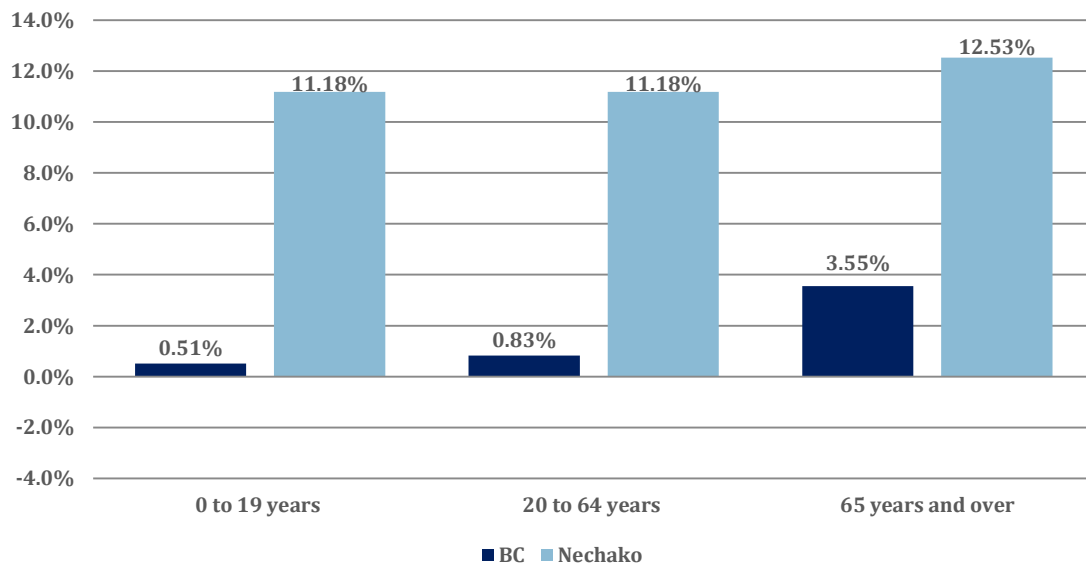
Note: Oil and Gas Extraction include Natural Gas Processing & Natural Gas Compressor

NECHAKO REGION

12. Nechako Region

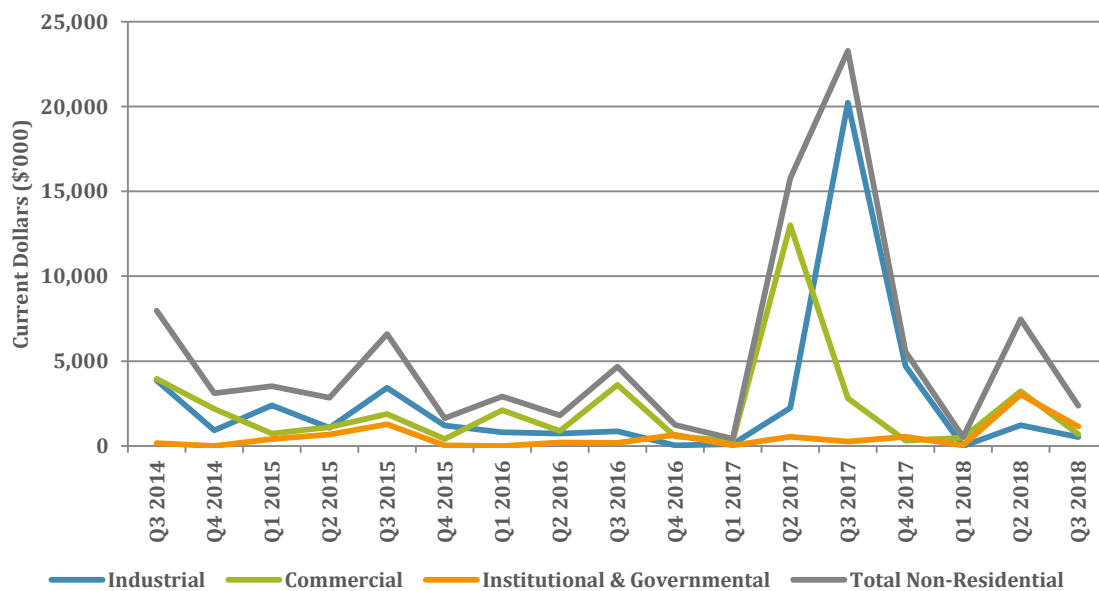
Key Economic Indicators

Exhibit 12.1 Population Growth 2016-2017



Source: BC Stats

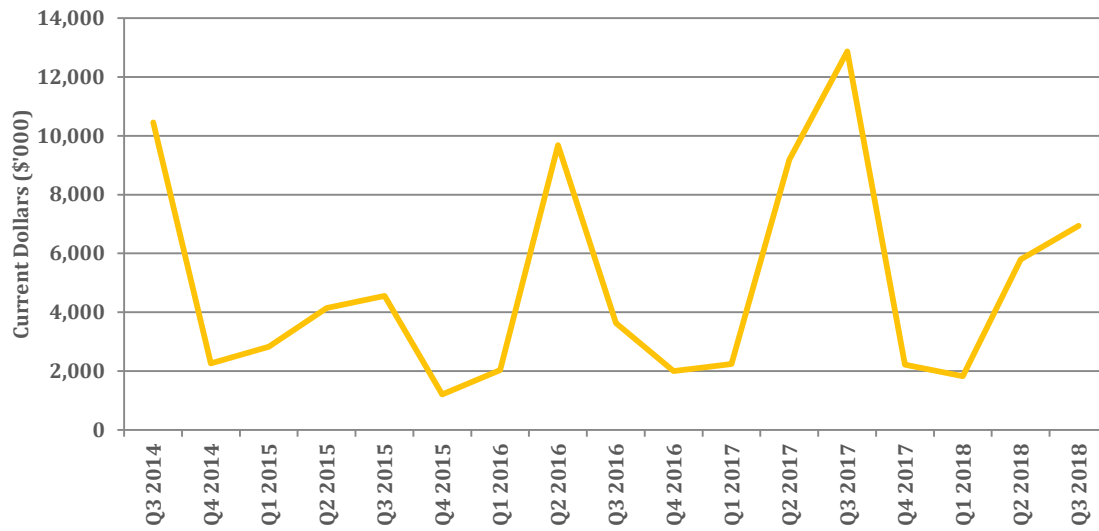
Exhibit 12.2 Value of Non-Residential Building Permits



Source: BC Stats

NECHAKO REGION

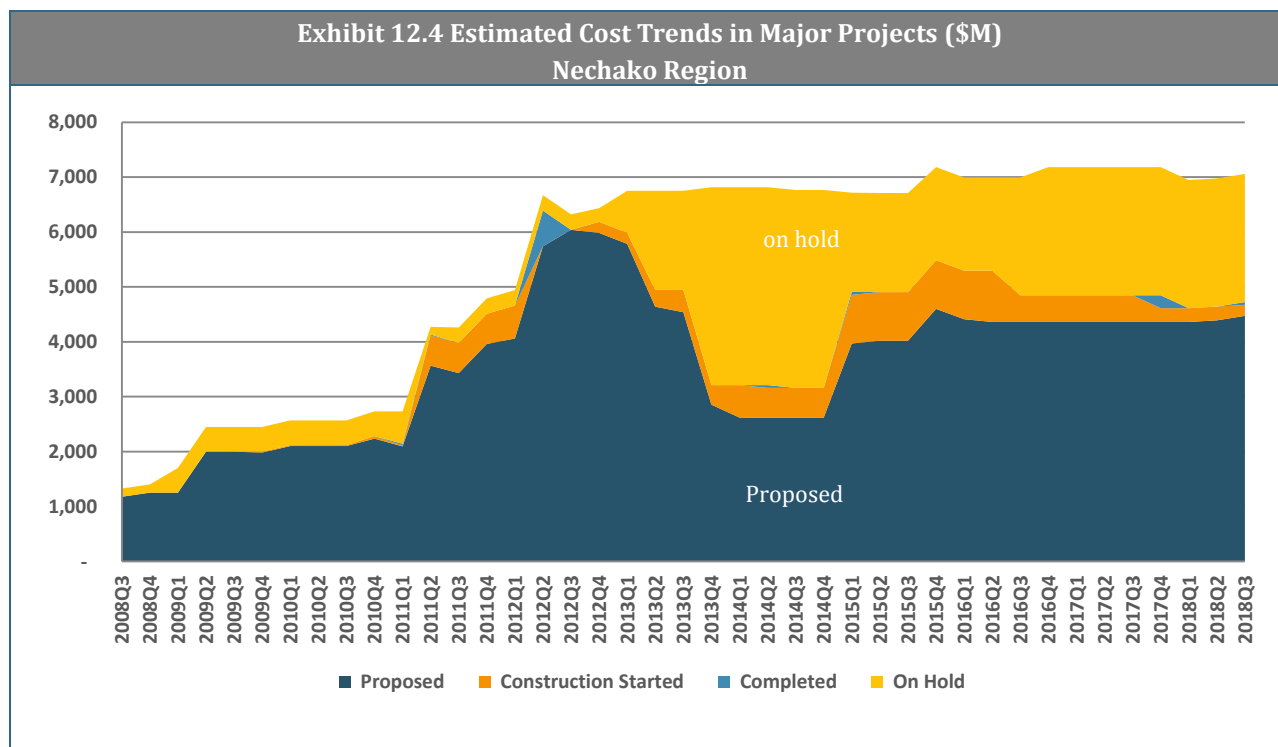
Exhibit 12.3 Value of Residential Building Permits



Source: BC Stats

NECHAKO REGION

Trends in Major Projects



- In Q3 2018, the Nechako region has a total of 21 major projects with a combined value of \$7.1 B, representing a 1.2 percent increase from the previous quarter and a 1.7 percent decrease from the previous year.
- There are two new proposed projects added to the MPI in this quarter: Tenas Coal Project (\$82 M) and Stuart Lake Hospital Replacement.
- Silvertip Silver Mine (\$50 M) was completed in this quarter.

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

Status	2017Q3	2017Q4	2018Q1	2018Q2	2018Q3	Change from the previous quarter	Change from the previous year
Proposed	4,361	4,361	4,361	4,390	4,472	0.0%	2.5%
Construction started	486	251	251	251	201	-19.9%	-58.6%
Completed	0	235	0	0	50	0.0%	0.0%
On hold	2,335	2,335	2,335	2,335	2,335	0.0%	0.0%
Grand Total	7,182	7,182	6,947	6,976	7,058	1.2%	-1.7%

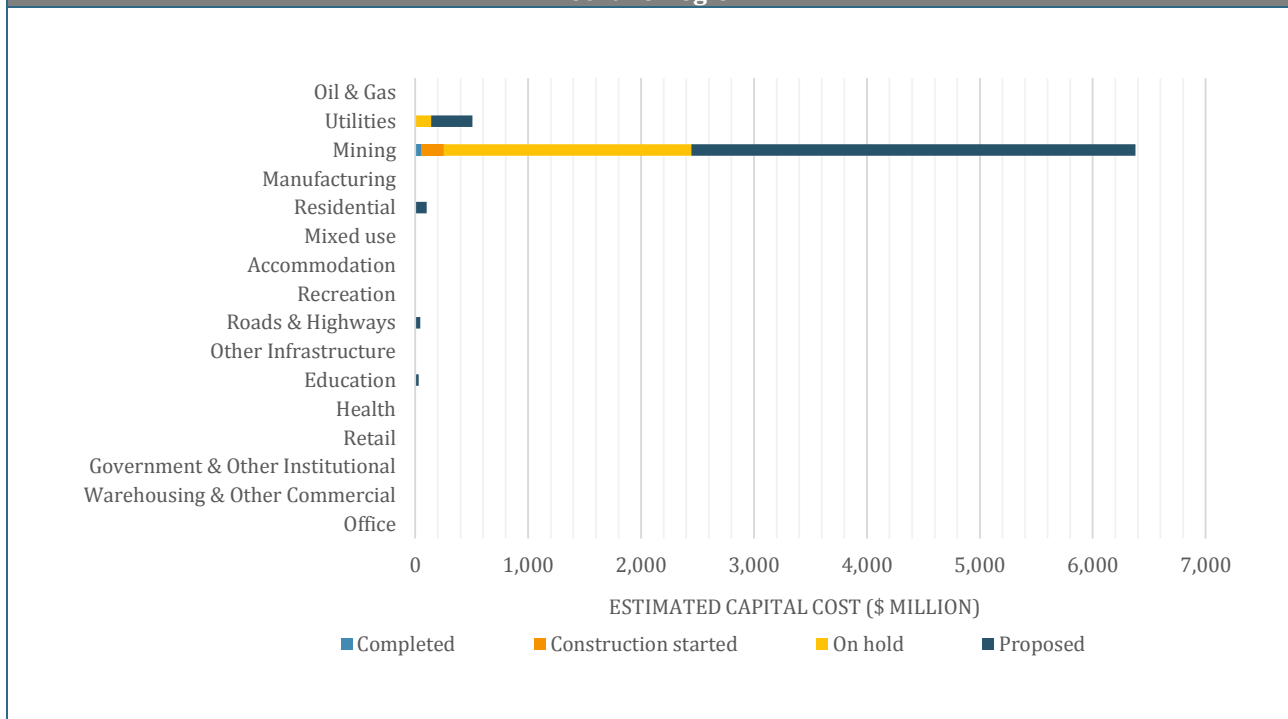
NECHAKO REGION

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	4,472	63%	14	373	8.4
Preliminary/Feasibility	904	13%	4	301	6.0
Consultation/Approvals	2,268	32%	8	284	9.3
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	0	0%	0	0	0.0
Stage Unknown	1,300	18%	2	1300	9.1
On hold	2,335	33%	5	467	12.9
Construction started	201	3%	1	201	6.8
Completed	50	1%	1	50	3.3
Total	7,058	100%	21	371	9.1

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.

Exhibit 12.7 Major Projects Status, by Construction Subtype
Nechako Region

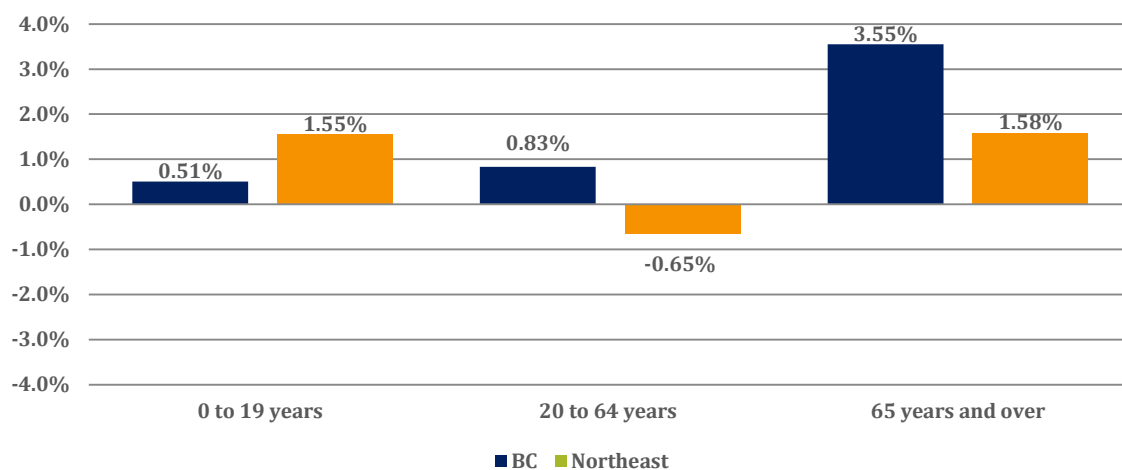


NORTHEAST REGION

13. Northeast Region

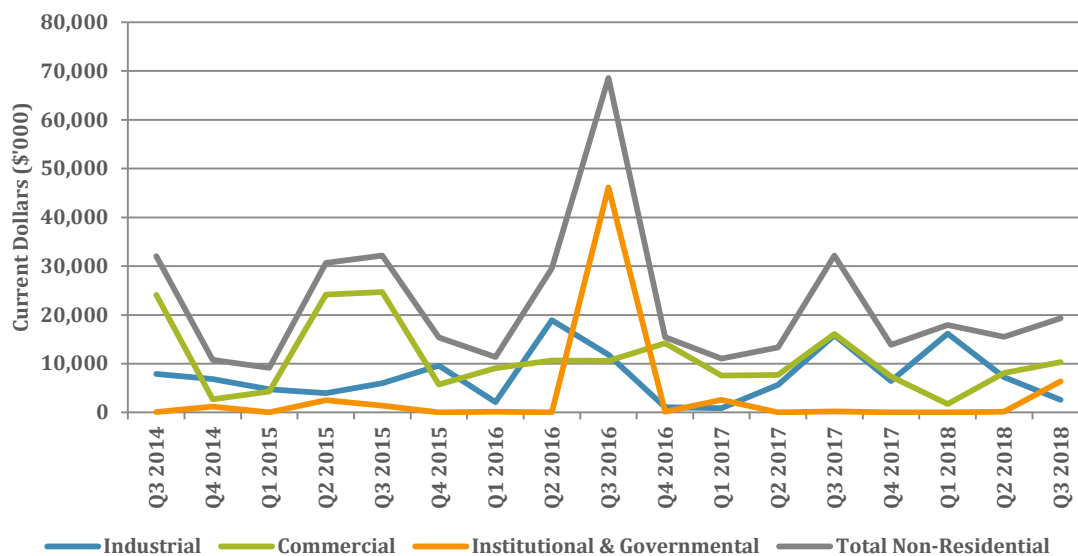
Key Economic Indicators

Exhibit 13.1 Population Growth 2016-2017



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

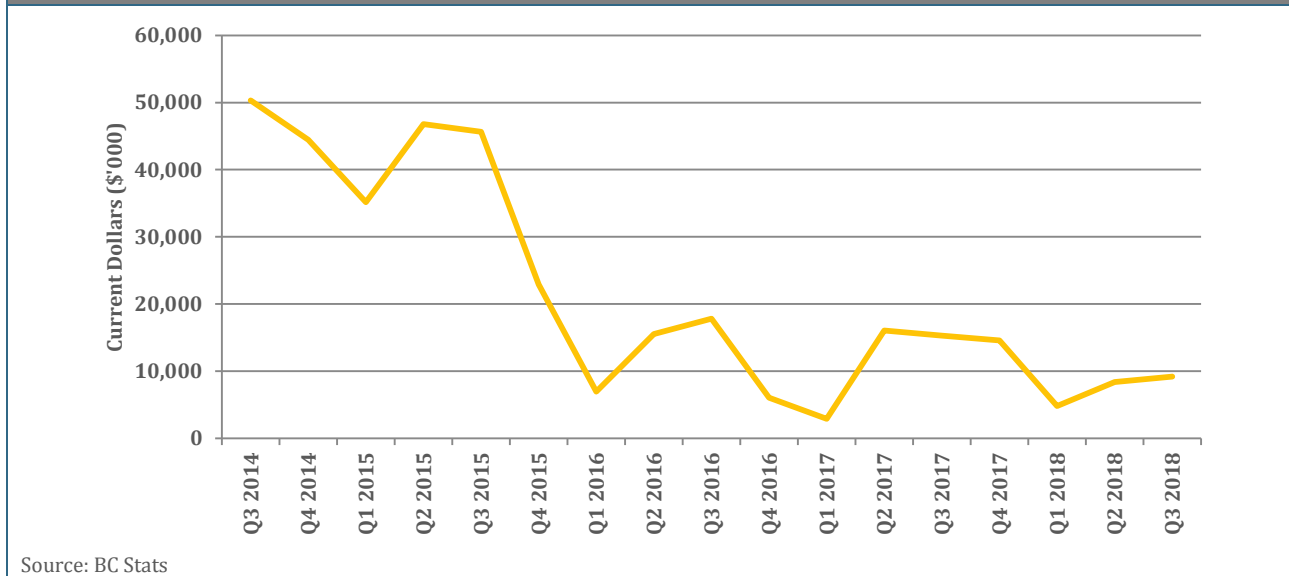
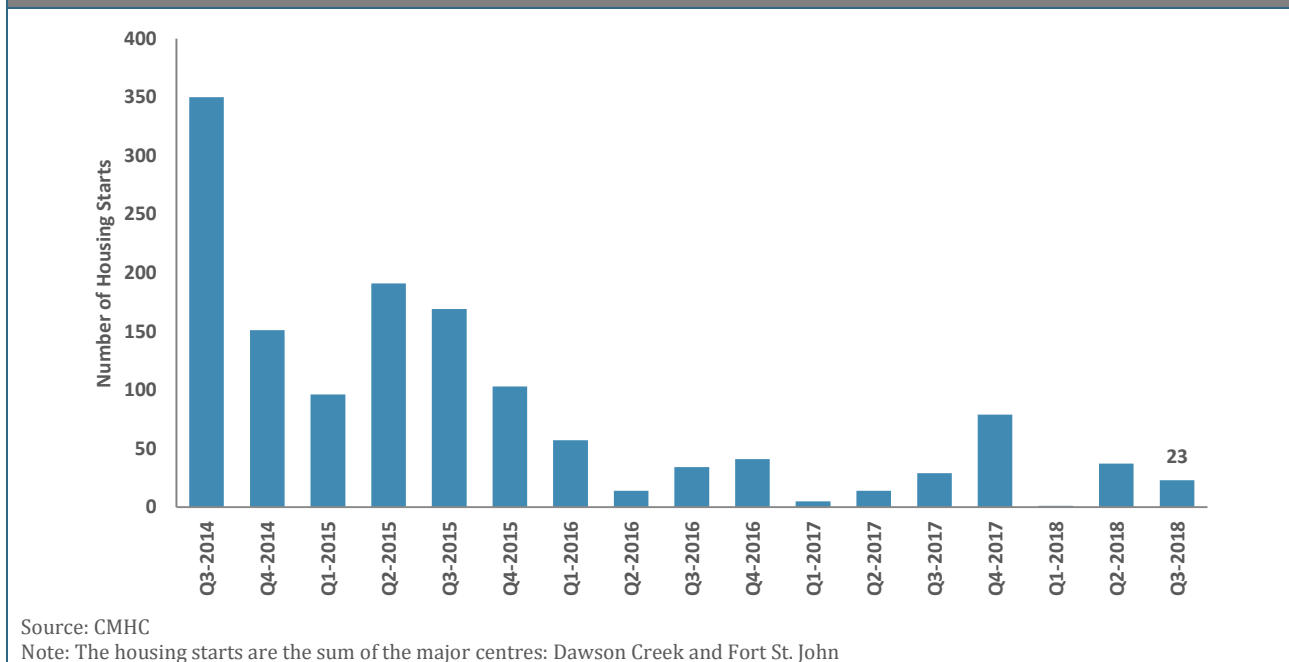


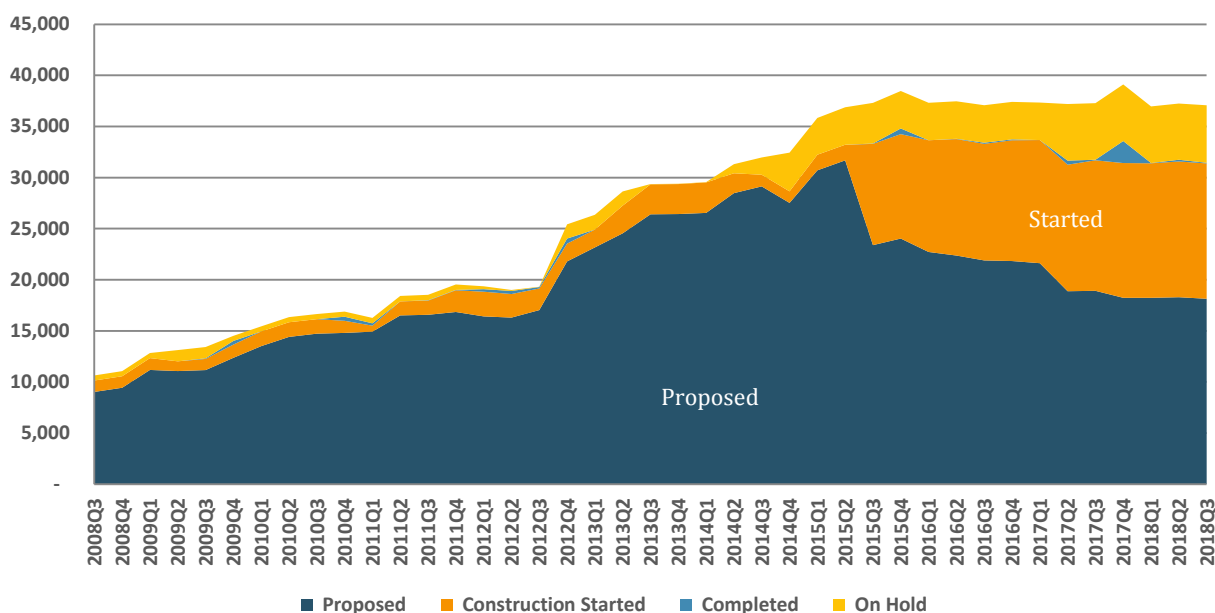
Exhibit 13.4 Housing Starts



NORTHEAST REGION

Trends in Major Projects

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



- In Q3 2018, the Northeast region has a total of 56 major projects with a combined value of \$37.1 B, representing a 0.5 percent decrease over the previous quarter and a 0.6 percent decrease compared to one year earlier.
- Three projects added to the MPI in this quarter: Dawson Creek Hospital Redevelopment, Spruce Ridge Expansion Project and T-South Reliability and Expansion Program.
- Three major projects were completed in this quarter: Trades Training Facility (\$34 M) in Dawson Creek, Margaret Ma Murray Community School (Northwest Elementary) (\$27 M) and Jackfish Lake Expansion Project.
- Highway 97 Bridge Replacements (\$27 M) started construction in this quarter.

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

Status	2017Q3	2017Q4	2018Q1	2018Q2	2018Q3	Change from the previous quarter	Change from the previous year
Proposed	18,918	18,234	18,234	18,292	18,140	-0.8%	-4.1%
Construction started	12,770	13,187	13,166	13,281	13,247	-0.3%	3.7%
Completed	57	2155	26	170	61	-64.1%	7.0%
On hold	5,537	5,537	5,537	5,501	5,626	2.3%	1.6%
Grand Total	37,282	39,113	36,963	37,244	37,074	-0.5%	-0.6%

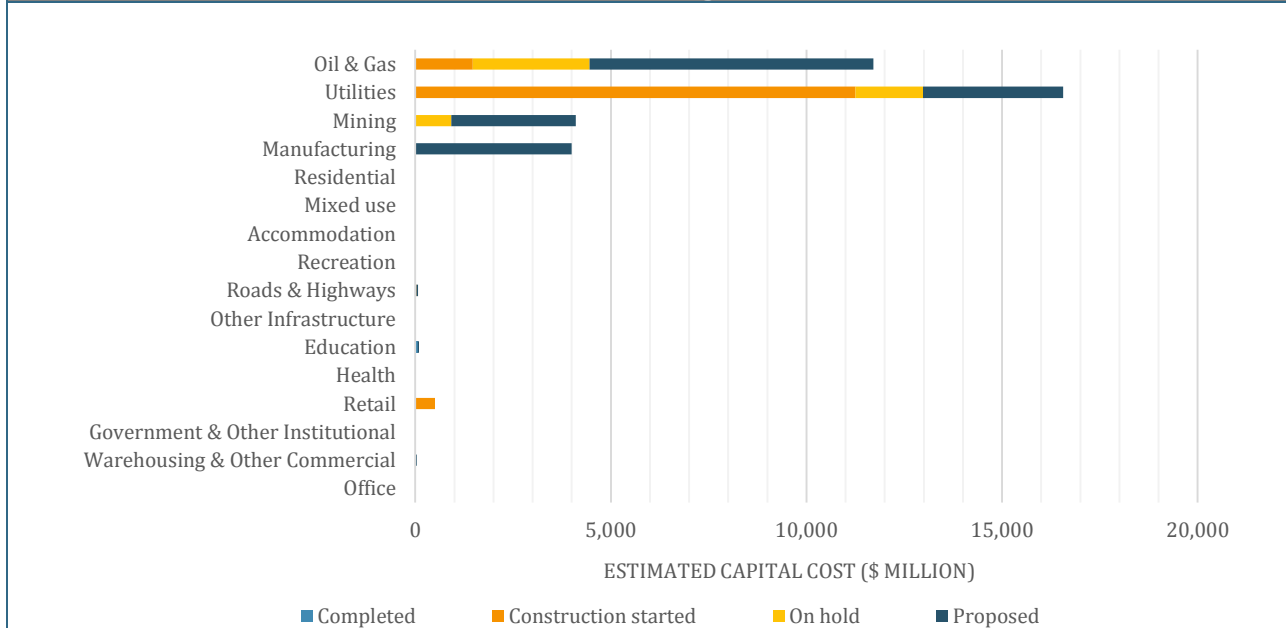
NORTHEAST REGION

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	18,140	49%	29	756	5.9
Preliminary/Feasibility	50	0%	2	50	0.5
Consultation/Approvals	12,464	34%	18	779	7.4
Permitting	4,000	11%	4	2000	3.0
Tender/Preconstruction	111	0%	3	37	2.2
Stage Unknown	1515	4%	2	758	8.3
On hold	5,626	15%	9	625	8.4
Construction started	13,247	36%	14	1104	3.6
Completed	61	0%	4	31	2.8
Total	37,074	100%	56	789	5.5

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.

Exhibit 13.8 Major Projects Status, by Construction Subtype
Northeast Region



Note: Oil and Gas Extraction include Natural Gas Processing & Natural Gas Compressor

APPENDICES

Appendices

Appendix 1

New Proposed Projects (July - September 2018)			
Region	Municipality	Project	Estimated Cost (\$ Million)
1. Vancouver Island/Coast	Comox	Comox Valley Water Treatment Plant	111
	Cowichan	Cowichan District Hospital Replacement	
	Saanich	The Affinity Lowrise Condominium	16
	Saanich	Fifteen88 Condominium	15
	Victoria	Aquara in Victoria West Seniors Complex	20
	Victoria	1010 Fort Street Condominium	15
2. Mainland/Southwest	Abbotsford	Court Condominium	25
	Abbotsford	Roundhouse Townhouses	21
	Burnaby	Burnaby North Secondary School Replacement	79
	Burnaby	The Telford Condominium and Townhomes	58
	Burnaby	Maywood on the Park	56
	Burnaby	Alpha at Lumina Brentwood	30
	Chilliwack	Chilliwack South Side Elementary - Middle School	54
	Coquitlam	Sophora at the Park	48
	Langley	Alexander Square	48
	Langley	Yorkson Park West	40
	Langley	Township Commons	40
	Langley	Hudson & Singer Condominium	30
	Langley	Westbrooke at Willoughby	28
	Langley	The Georgia Lowrise Condominiums	28
	Langley	The Wesley Lowrise Condominium	20
	Langley	The Landing at Langley City	20
	New Westminister	618 Carnarvon Condominium	48
	New Westminister	Ovation Condominium Tower	40
	Squamish	Jumar Condominium Development	20
	Surrey	University District Condominiums	120
	Surrey	Park George Condominium	65
	Surrey	Yorkton Place	25
	Surrey	Aloha Estates	23
	Surrey	Georgetown Mixed-Use Development	
	Vancouver	95 West Hastings	22
	Vancouver	42nd & Cambie Condominium	20
	Vancouver	Davie & Nicola Condominium	20
	Vancouver	General Wolfe Elementary School Seismic Upgrade	20
	Vancouver	3949 Shelbourne Street Condominium	18
	White Rock	Foster Martin Condominiums	60
	White Rock	Miramar Village Phase 2	45
	White Rock	Soliel Highrise Condominium	35
	White Rock	Altus White Rock Condominiums	23
3. Thompson-Okanagan	Kelowna	24 Condominium Tower	55
	Kelowna	IntraUrban Industrial Park	15
6. North Coast	Prince Rupert	Vopak Pacific Canada Storage and Export Facility	750
7. Nechako	Fort St. James	Stuart Lake Hospital Replacement	
	Smithers Region	Tenas Coal Project	82
8. Northeast	Chetwynd	T-South Reliability and Expansion Program	
	Dawson Creek	Dawson Creek Hospital Redevelopment	
	Fort St. John	Spruce Ridge Expansion Project	
Total			2,308

APPENDICES

Appendix 2

Construction Started (July - September 2018)				
Region	Municipality	Project	Completion Date	Estimated Cost (\$ million)
1. Vancouver Island/Coast	Nanaimo	Seniors Complex	2020-Q3	28
	North Saanich	Sandown Commons Retail Centre	2019-Q2	40
	Victoria	Dockside Green Development	2027-Q4	650
2. Mainland/Southwest	Abbotsford	Abbotsford Law Courts	2021-Q1	158
	Burnaby	Triomphe Condominium	2020-Q2	54
	Burnaby	Barnard Substation 50/60 Feeder Section Replacement Project	2022-Q2	48
	Coquitlam	567 Clarke + Como Condominiums	2020-Q4	45
	Coquitlam	Aalto Townhomes	2019-Q4	20
	Horseshoe Bay	Waterfront Condominiums	2019-Q4	
	Richmond	IntraUrban Rivershore Industrial Park	2019-Q1	40
	Surrey	Hilton Hotel and Residential Tower	2021-Q2	90
	Surrey	North Surrey Sport and Ice Complex	2019-Q3	52
	Surrey	Onyx Condominiums	2019-Q4	25
	Vancouver	1188 Bidwell Condominium Tower	2019-Q4	22
	Vancouver	Lord Tennyson Elementary School Replacement	2020-Q2	25
	Vancouver	Alberni by Kengo Kuma Condominium Tower	2021-Q4	35
	Vancouver	Basalt Condominiums	2019-Q2	20
	Vancouver	Winston at South Oak Condominium	2020-Q2	20
	Vancouver	The Pacific Condominiums	2021-Q4	40
	Vancouver	The Windsor Condominiums	2019-Q4	25
	Vancouver	Downtown Vancouver Electricity Supply - West End Substation Property Acquisition Project	2020-Q2	81
3. Thompson-Okanagan	Kamloops	TRU Upper College Heights Student Housing	2019-Q4	37
	Kelowna	OKAN Health Sciences Building	2020-Q4	19
	Revelstoke	Mica 600V Circuit Breaker Upgrades Project	2020-Q3	19
4. Kootenay	Trail	Kootenay Boundary Regional Hospital Upgrades	2020-Q2	19
8. Northeast	Chetwynd	Highway 97 Bridge Replacements	2019-Q3	27
Total				1,639

APPENDICES

Appendix 3

Construction Completed (July - September 2018)			
Region	Municipality	Project	Estimated Cost (\$ Million)
1. Vancouver Island/Coast	Nanaimo	Vancouver Island University - Health Science Centre	41
	Victoria	Legato Condominium Development	27
2. Mainland/Southwest	Aldergrove	Aldergrove Credit Union Community Centre	30
	Burnaby	Milano Condominiums	30
	Coquitlam	Smiling Creek Elementary School	21
	Delta	Arnott Substation Capacity Upgrade Project	40
	North Vancouver	Juniper Apartments at Timber Court	45
	Richmond	Orchid Condominium	22
	Vancouver	Beulah Gardens - 2075 Cassiar Street	38
	Vancouver	Peter Wall Yaletown Condominium	45
	West Vancouver	The Village at Park Royal Expansion	180
3. Thompson-Okanagan	Kamloops	Landmark Place at Landmark Heights	20
	Kamloops	Trades and Technology Building	32
	Revelstoke	Highway 1 North Fork Bridge Replacement	38
4. Kootenay	Fernie	Fernie Substation Upgrade and Feeder Addition	28
7. Nechako	Cassiar	Silvertip Silver Mine	50
8. Northeast	Chetwynd	High Pine Expansion Project	
	Dawson Creek	Trades Training Facility	34
	Fort St. John	Margaret Ma Murray Community School (Northwest Elementary)	27
	Taylor	Jackfish Lake Expansion Project	
Total			748

APPENDICES

Appendix 4

Project Value and Project Status for each Industry Sector – (July - September 2018)					
	Proposed	Construction started	Completed	On hold	Total
Oil and Gas	182,065	1,944	-	2,984	186,993
Utilities	14,117	16,169	68	7,604	37,958
Mining	20,063	301	50	16,551	36,965
Manufacturing	36,105	50	-	0	36,155
Residential	13,419	21,447	227	194	35,287
Mixed Use	4,723	11,138	-	1,000	16,861
Accommodation	7,878	4,364	-	1,356	13,598
Recreation	6,084	3,720	30	1,375	11,209
Roads & Highways	5,299	3,501	38	0	8,838
Other Infrastructure	4,550	3,113	-	0	7,663
Education	2,857	1,267	155	165	4,444
Health	1,858	1,917	-	0	3,775
Retail	668	2,830	180	0	3,678
Government & Other Institutional	136	1,635	-	0	1,771
Warehousing & Other Commercial	957	860	-	0	1,817
Office	272	150	-	80	502
Total	301,051	74,406	748	31,309	407,514

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	98	11	5	18	0	13	8	153
Mainland/Southwest	352	46	4	34	2	63	11	512
Thompson-Okanagan	56	11	4	21	1	11	5	109
Kootenay	10	0	7	4	0	2	5	28
Cariboo	5	4	6	8	1	3	0	27
North Coast	2	11	25	10	5	2	1	56
Nechako	1	1	12	4	0	2	0	20
Northeast	2	9	18	19	2	2	0	52
Total	526	93	81	118	11	98	30	957

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