



Image courtesy of Simon Fraser University

The new 20,458 square-metre facility at Simon Fraser University's Surrey campus accommodates students, faculty and staff from SFU's new Sustainable Energy Engineering program as well as its School of Mechatronic Systems Engineering. The five-storey building features modern wet and dry teaching labs, classrooms, study spaces, a large central atrium and a 400-seat lecture hall. Funding was provided by the Government of Canada (\$45 million), the Province of B.C. (\$45 million), and SFU and donors (\$26 million). SFU also provided the land, valued at \$10 million.

BRITISH COLUMBIA MAJOR PROJECTS INVENTORY

FIRST QUARTER 2019



Ministry of
Advanced Education,
Skills and Training

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British Columbia Major Projects Inventory

First Quarter 2019

Major Projects Inventory as of March 31, 2019.

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Report prepared by Workforce Innovation and Division Responsible for Skills Training staff.

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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, Labour Market Insights, Evaluation and Outreach Branch at: Man.Wang@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 (CAD) or greater (\$20 million or greater within the Lower Mainland–Vancouver area).

In 2019 Quarter 1, about 75% of all the existing projects received an update. 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.

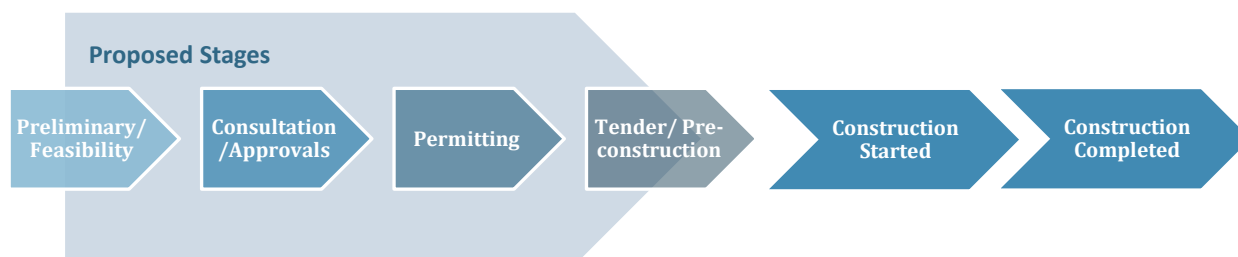
Start and Finish Dates

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).

Note that Liquefied Natural Gas (LNG) projects are classified under mining, oil and gas extraction. This is different from the North American Industry Classification System in which LNG is classified as being in the transportation industry.

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 – Q1 2019

1. B.C. Major Projects Highlights – Q1 2019

The estimated capital cost of all 963 major projects in the first quarter of 2019, totaling \$355.30 billion (B), has decreased from \$408.99 B in the fourth 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 22 new proposed projects over \$15 million (M) with available capital cost estimates totaling \$2.50 B if all the projects were to proceed. The potential capital investment for new projects has increased compared to \$2.37 B in the fourth quarter of 2018.

There are 29 projects that have started construction in B.C., representing an estimated capital cost of \$1.45 B, down from the \$43.69 B reported in the fourth quarter of 2018 with the start of the \$36 B LNG Canada facility in Kitimat. Thirteen projects completed construction in the first quarter of 2019, with an estimated capital cost of \$2.39 B compared to \$2.21B in the fourth quarter of 2018.

There are 236 projects with public funding contributions with a total capital cost of \$47.81B. 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, 135 projects worth a total of \$24.92 B have provincial government funding contributions.

There are 66 projects with a total estimated cost of \$123.99 B involving Indigenous communities in capacities such as project owners, project partners or benefit agreements.

Major projects currently under construction in B.C. totaled \$114.83 B, down from the \$115.37 B in the fourth quarter of 2018. Proposed projects totaled \$205.77 B, down from \$260.34 B in the previous quarter. This decrease was primarily due to the cancellation of two LNG projects totaling \$55 B. 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 \$32.31 B of projects are judged to be 'on hold' for the time being, a decrease from the previous quarter value of \$32.72 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

963	Number of total major projects
\$355.30 B	Value of all projects
524	Number of total proposed projects
\$205.77 B	Value of proposed projects
373	Number of projects under construction
\$114.83 B	Value of projects under construction
13	Number of projects completed
\$2.39 B	Value of projects completed
22	Number of new proposed projects
\$2.50	Value of newly proposed projects

B.C. MAJOR PROJECTS INVENTORY – Q1 2019

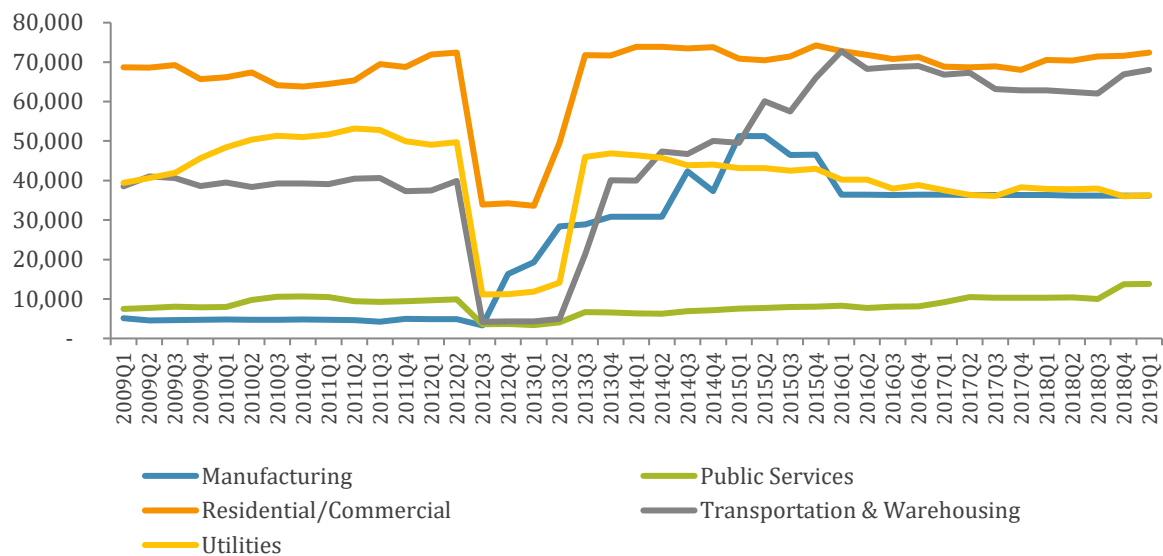
2. B.C. Major Projects Inventory – Q1 2019

By Project Category, Construction Type or Subtype

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

Project Category	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	Change from the previous quarter	Change from the previous year
Mining & Oil & Gas Extraction	172,900	187,837	178,669	173,035	117,125	-32.3%	-32.3%
Residential/Commercial	70,550	70,377	71,478	71,581	72,382	1.1%	2.6%
Transportation & Warehousing	62,876	62,475	62,055	66,910	68,001	1.6%	8.2%
Manufacturing	36,365	36,155	36,155	36,195	36,195	0.0%	-0.5%
Utilities (incl sewage treatment)	37,839	37,799	37,958	36,005	36,237	0.6%	-4.2%
Public Services	10,334	10,408	9,970	13,721	13,818	0.7%	33.7%
Other Services	11,213	11,213	11,229	11,539	11,539	0.0%	2.9%
Grand Total	402,077	416,264	407,514	408,986	355,297	-13.1%	-11.6%

Note: Liquefied Natural Gas (LNG) projects are classified under mining, oil and gas extraction. This is different from the North American Industry Classification System in which LNG is classified as being in the transportation industry.

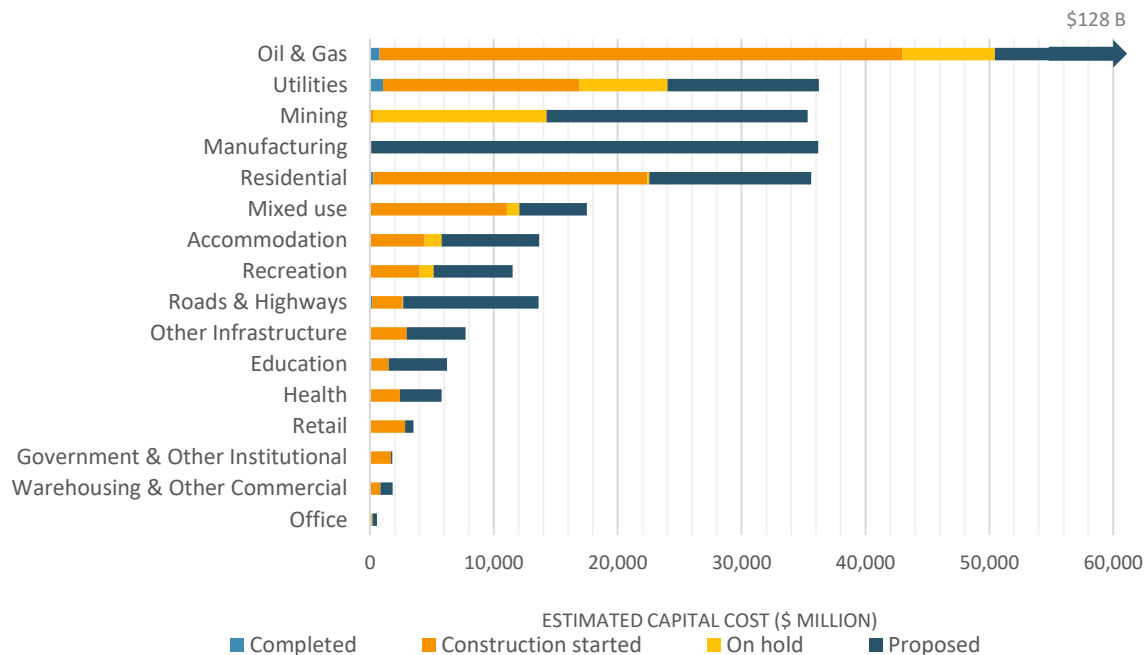


Note: chart excludes mining oil & gas extraction and other services projects

The total estimated capital cost of major projects in B.C. was up slightly in the first quarter of 2019 (Q1), totalling \$355.30 B, representing a 13.1 percent decrease over the previous quarter and a 11.6 percent decrease compared to one year earlier.

B.C. MAJOR PROJECTS INVENTORY – Q1 2019

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



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

- In the first quarter of 2019, Oil and Gas projects (including LNG) represent 36 percent of the total estimated capital cost in the MPI.
- Residential and Commercial development projects comprise 571 of the 963 projects listed in the first quarter of 2019, representing a total estimated capital cost of \$84.2 B.
- Residential projects are concentrated in the Mainland/Southwest region (72 percent), Vancouver Island (18.7 percent), and Thompson-Okanagan (8.9 percent).
- Utility projects continue to be a significant driver for the province. The total cost of utilities projects is nearly \$36 B while the total cost of projects which are currently underway is nearly \$16 B.
- There are 53 mining projects listed in the MPI with a total estimated value of \$35.3 B.
- The top categories for new projects added to the MPI are Road and Highways (\$1.9 B), Primarily Residential – Single Use (\$333 M), and Education (\$183 M).
- Public Infrastructure - The value of public funding contributions was \$47.8 B for 236 projects – across all levels of government. Of these, 135 projects worth a total of \$24.9 B 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 – Q1 2019

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	12,270	28,287	9,485	80	0	0	100	0	50,222
Primarily residential - Single use	8,470	18,928	8,035	80	0	0	100	0	35,613
Residential Mixed Use	3,800	9,359	1,450	0	0	0	0	0	14,609
Commercial Subtotal	3,719	17,761	5,654	4,902	1,322	46	0	540	33,944
Commercial Mixed Use	200	2,690	0	0	0	0	0	0	2,890
Accommodation	2,266	4,851	3,299	2,302	940	0	0	0	13,658
Recreation	220	6,473	2,210	2,600	0	16	0	0	11,519
Retail	923	1,960	115	0	0	0	0	500	3,498
Office	70	492	0	0	0	0	0	0	562
Warehousing	0	265	0	0	0	0	0	0	265
Other Commercial	40	1,030	30	0	382	30	0	40	1,552
Industrial Subtotal	2,130	2,375	1,069	2,936	7,231	157,636	6,328	20,035	199,740
Mining	130	160	1,039	2,936	2,646	17,991	6,328	4,101	35,331
Oil & Gas	2,000	2,125	0	0	4,570	107,585	0	11,934	128,214
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	90	0	0	15	0	0	0	105
Institutional & Government Subtotal	3,414	8,687	1,432	58	44	0	79	124	13,838
Education	1,902	3,941	282	0	44	0	29	31	6,229
Health	34	4,493	1,110	58	0	0	50	50	5,795
Government buildings	1,458	253	40	0	0	0	0	43	1,794
Other Institutional & Government	20	0	0	0	0	0	0	0	20
Infrastructure Subtotal	9,600	20,917	2,920	974	1,560	4,543	551	16,488	57,553
Utilities	7,661	4,548	1,083	974	1,090	3,939	506	16,436	36,237
Roads & Highways	309	10,971	1,687	0	470	69	45	52	13,603
Other Transportation	1,630	5,398	150	0	0	535	0	0	7,713
Grand Total	31,133	78,027	20,560	8,950	10,157	162,225	7,058	37,187	355,297

B.C. MAJOR PROJECTS INVENTORY – Q1 2019

By Project Status

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

Status	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	Change from the previous quarter	Change from the previous year
Proposed	294,266	311,674	301,051	260,341	205,769	-21.0%	-30.1%
Construction started	75,185	73,672	74,406	115,366	114,825	-0.5%	52.7%
Completed	1,664	989	748	2,214	2393	8.1%	43.8%
On hold	30,962	29,929	31,309	31,065	32,310	4.0%	4.4%
Grand Total	402,077	416,264	407,514	408,986	355,297	-13.1%	-11.6%

The value of completed projects increased by 8.1% to \$2.4 B in Q1 2019 over the previous quarter. Notable projects completed were John Hart Generating Station Replacement (\$985 M) in Campbell River and Ridley Island Propane Export Terminal (475 M) in Prince Rupert.

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	205,769	58%	524	443	5.3
Preliminary/Feasibility	51,138	14%	127	501	4.4
Consultation/Approvals	72,986	21%	222	365	6.1
Permitting	51,366	14%	48	1223	4.4
Tender/Preconstruction	8,229	2%	77	110	3.0
Stage Unknown	22,050	6%	50	479	8.5
On hold	32,310	9%	53	646	11.7
Construction started	114,825	32%	373	315	6.3
Completed	2393	1%	13	184	5.6
Total	355,297	100%	963	398	6.0

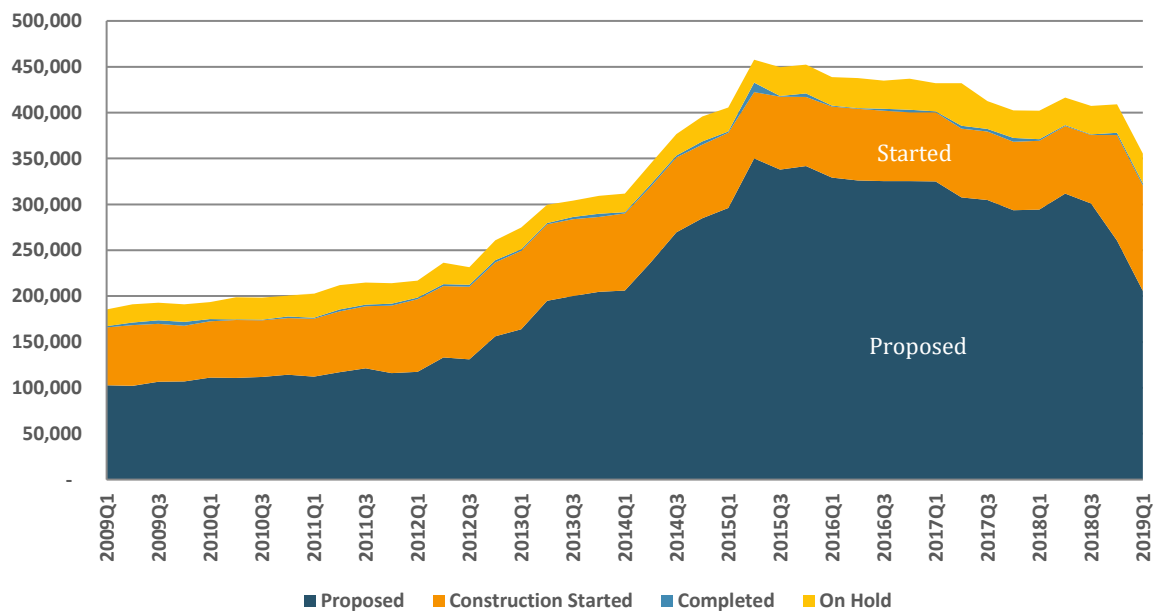
Note: Average project value is the average of those projects for which there is a cost estimate. An average year in inventory is the average time span between the projects as first recorded in the MPI and the current period. Regional detail is provided in Exhibit 2.6.

B.C. MAJOR PROJECTS INVENTORY – Q1 2019

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	16,152	11,923	985	2,073	31,133	-48.6%	-48.6%
2. Mainland/Southwest	47,607	29,415	643	362	78,027	2.5%	11.4%
3. Thompson-Okanagan	4,581	14,641	0	1,338	20,560	0.0%	-3.1%
4. Kootenay	2,629	3,901	0	2,420	8,950	3.7%	-1.0%
5. Cariboo	4,843	514	0	4,800	10,157	-0.4%	-0.5%
6. North Coast	113,548	36,221	475	11,981	162,225	-13.4%	-13.3%
7. Nechako	4,522	201	0	2,335	7,058	0.0%	1.6%
8. Northeast	11,887	18,009	290	7,001	37,187	-3.5%	0.6%
Total	205,769	114,825	2,393	32,310	355,297	-13.1%	-11.6%

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



B.C. ECONOMY

3. B.C. Economy

Exhibit 3.1 Economic Activity

	2019	2020	2021	2022	2023
Real GDP	+2.4 %	+2.3 %	+2.1 %	+2.0 %	+2.0%

Source: B.C. Budget and Fiscal Plan 2019/20 – 2021/22

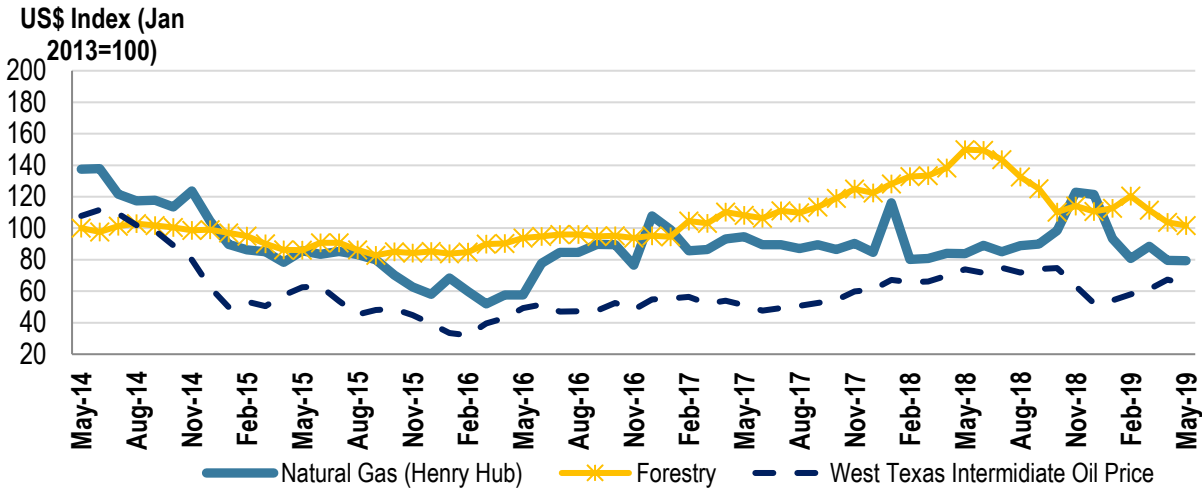
	Most Recent Period	Amount	Change from previous month	Change from previous year	Data Type
Retail trade (\$ M)	Apr-19	7,203	-0.5%	-1.0%	seasonally adjusted
Manufacturing sales (\$ M)	Apr-19	4,667	1.8%	3.7%	seasonally adjusted
Residential - building permits (\$ M)	Apr-19	2,202	138%	126.5%	seasonally adjusted
Residential - housing starts (units)	May-19	53,352	8.4%	31.4%	seasonally adjusted at annual rates
Non-Residential building permits (\$ M)	Apr-19	662	-13.6%	113.6%	seasonally adjusted
Exports - all merchandise (\$ M)	Apr-19	3,456	-17%	-9.5%	seasonally adjusted
Prices					
B.C. Consumer price index (2002=100)	Apr-19	131.2	0.4%	2.7%	not seasonally adjusted
Exchange rate	May-19	US \$0.74	-0.4%	-4.4%	not seasonally adjusted
Average 5-year residential mortgage rate	May-19	4.3%	-0.03p.p.	+0.03 p.p.	not seasonally adjusted
Labour Market					
Employment	May-19	2,578,400	0.1%	+2.8%	seasonally adjusted
Unemployment rate	May-19	4.3%	-0.3 p.p.	-0.5p.p.	seasonally adjusted
Participation rate	May-19	66.0%	+0.2 p.p.	1.5p.p.	seasonally adjusted
Average weekly earnings	May-19	991.73	1.7%	1.3%	seasonally adjusted

Source: Statistics Canada & Bank of Canada

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

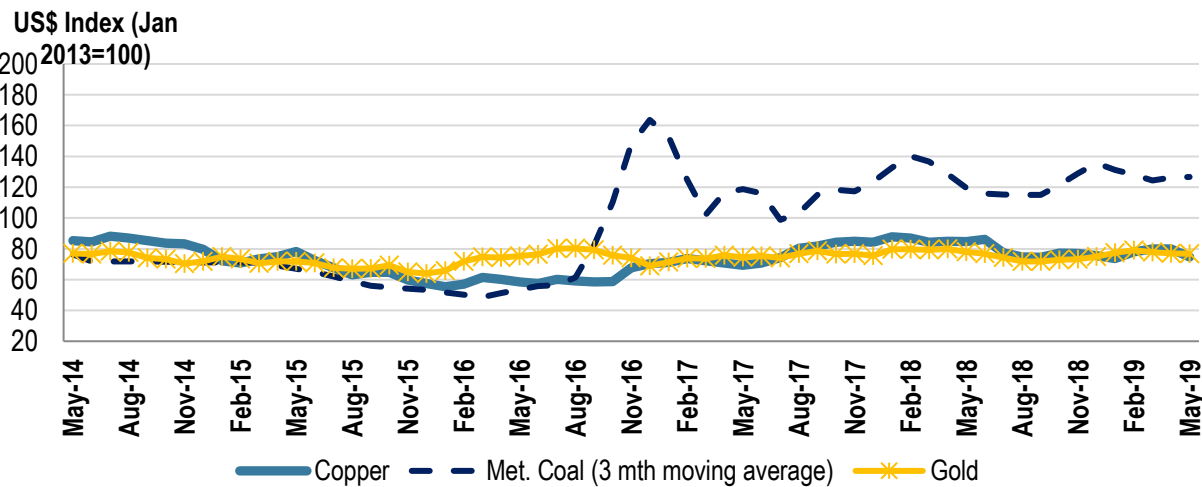
B.C. ECONOMY

Exhibit 3.2 Key Commodity Prices



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

- The forestry price index decreased by 2.1% in May, and it is much lower (48%) than a year ago.
- Natural gas dropped to US\$2.64/mm BTU, 5 percent decrease from the previous year.
- Oil (WTI) decreased 5% to US\$60.83/bbl in May, down by 13% from a year ago.

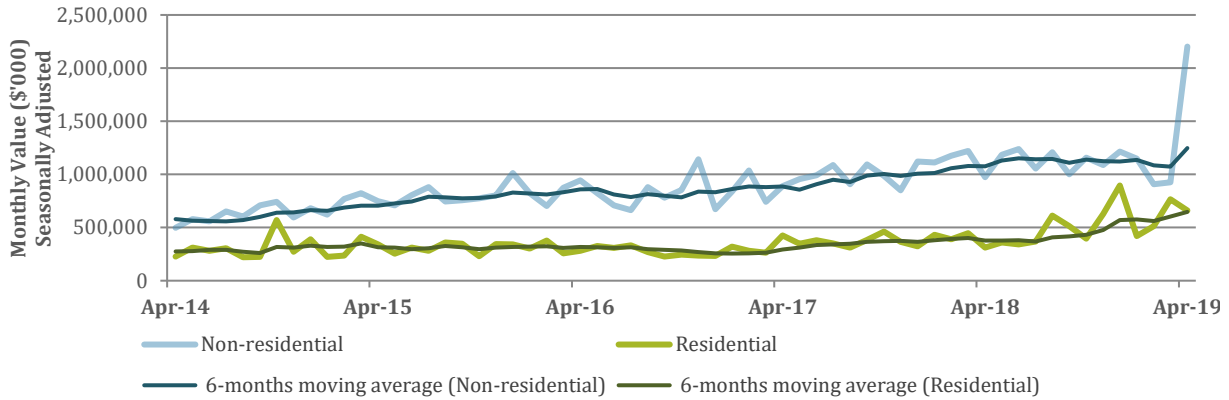


Source: B.C. Ministry of Energy and Mines, monthly average of daily values, Met. Coal: quarterly average to March 2016, 3-month moving average after March 2016

- Copper was down by 7% compared to April 2019 and down by 12% from a year ago.
- Gold slightly decreased by 0.2% in May compared to the previous month and is down by 1.2% from a year ago.
- Metallurgical coal (3 month moving average) increased by 0.4% in May, and up 7% from a year ago.

B.C. ECONOMY

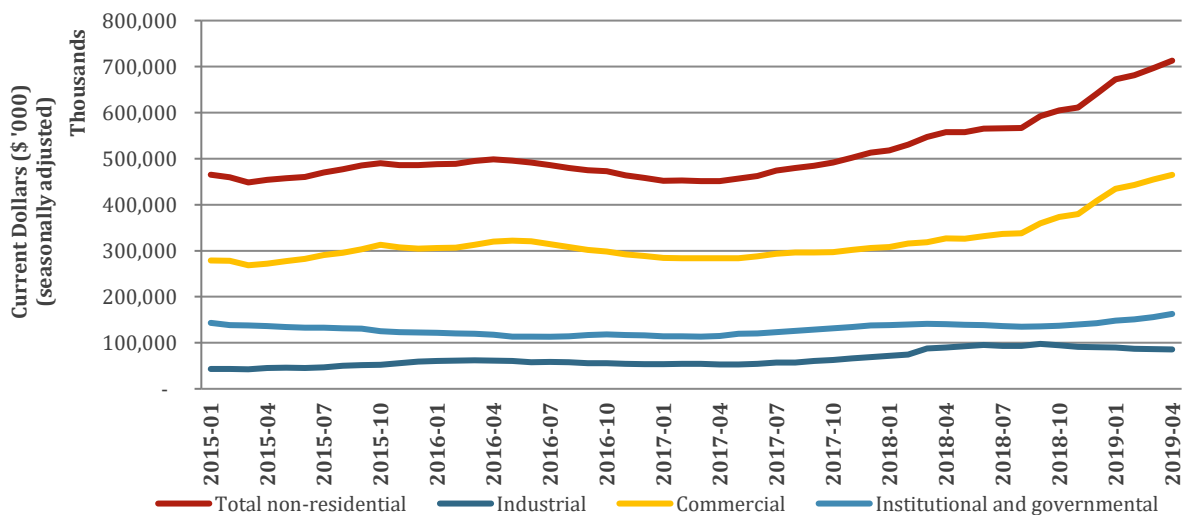
Exhibit 3.3 Value of Building Permits



Source: Statistics Canada

B.C.'s building permits value in April increased by 27.7% from the previous month. During April, there was an average of \$2 billion worth of building permits issued compared to \$1.5 billion in the same month of the previous year. Residential building permits value increased by 35.4% from March 2019 and by 19.8% compared to the same month in the previous year. The data for April was much higher than normal due to builders in Metro Vancouver filing permits sooner than they would have normally done to avoid a big increase in development charges in May, the first change in these fees since 1997.

Exhibit 3.4 Investment in Non-Residential Building Construction

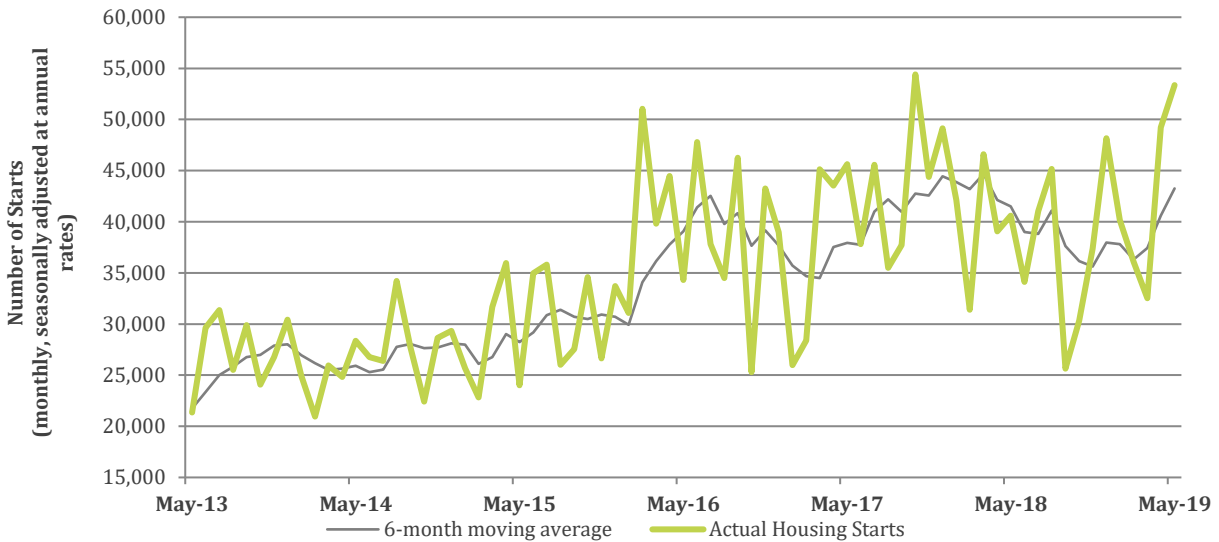


Source: Statistics Canada

B.C. spending in non-residential building construction was increased by 2.3 percent from the previous month and up 27.9 percent from the previous year. The current level of non-residential building investment in April 2019 was \$712.9 M. Note that this is building investment only and does not include infrastructure investment.

B.C. ECONOMY

Exhibit 3.5 B.C. Housing Starts

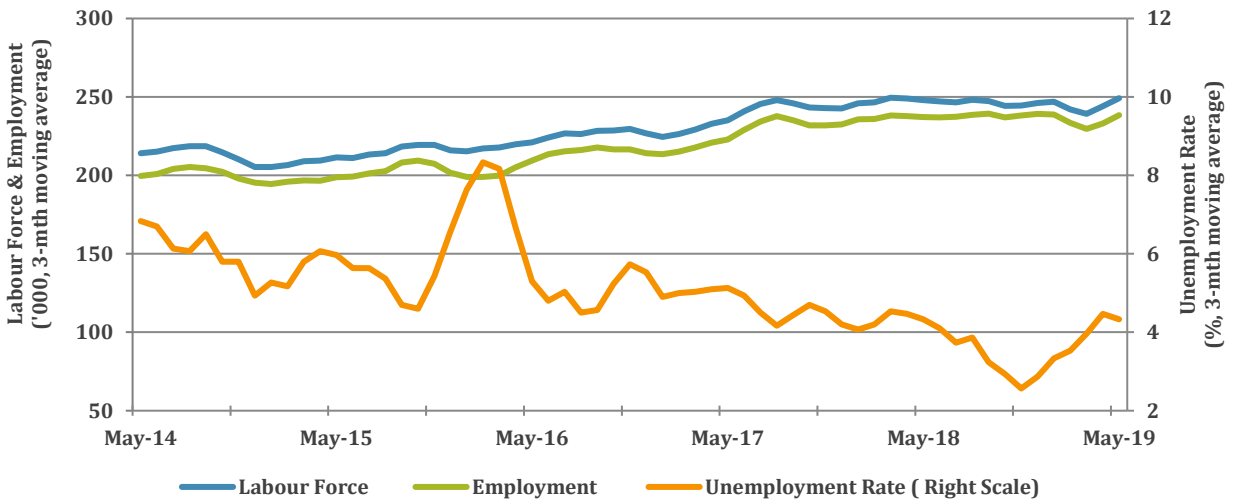


Source: Canada Mortgage and Housing Corporation (CMHC)

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

B.C.'s seasonally adjusted annualized housing starts increased to 53,352 units in May (8.4% increase from April). This increase is driven by increase in apartments since housing starts declined for other types of residences. The 6-month moving average of the series increased by 6.6% from the previous month and by 4.3% from a year ago.

Exhibit 3.6 B.C. Construction Industry Employment

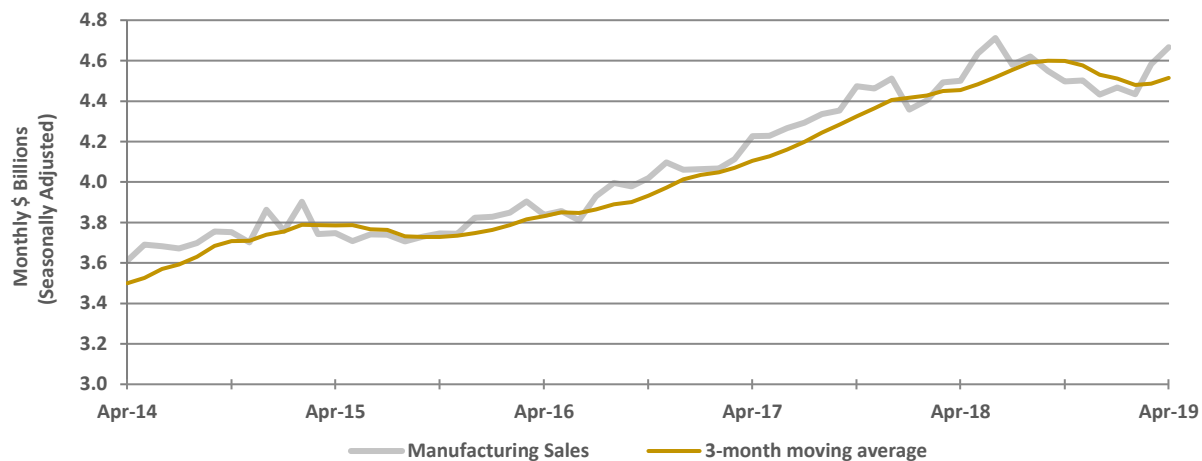


Source: Statistics Canada; North American Industry Classification System (NAICS 23), not seasonally adjusted

Employment levels in construction reached the lowest in March in the past 20 months, but rapidly recovered to the same level as previous year in May. The 3-month moving average employment was down with 1.9 percent in May from previous year. Employment month-over-month up 2.3 percent and labour force increased 2.1 percent. The unemployment rate in B.C.'s construction industry decreased 0.1 percentage points to 4.3 percent in May from previous month.

B.C. ECONOMY

Exhibit 3.7 Manufacturing Sales

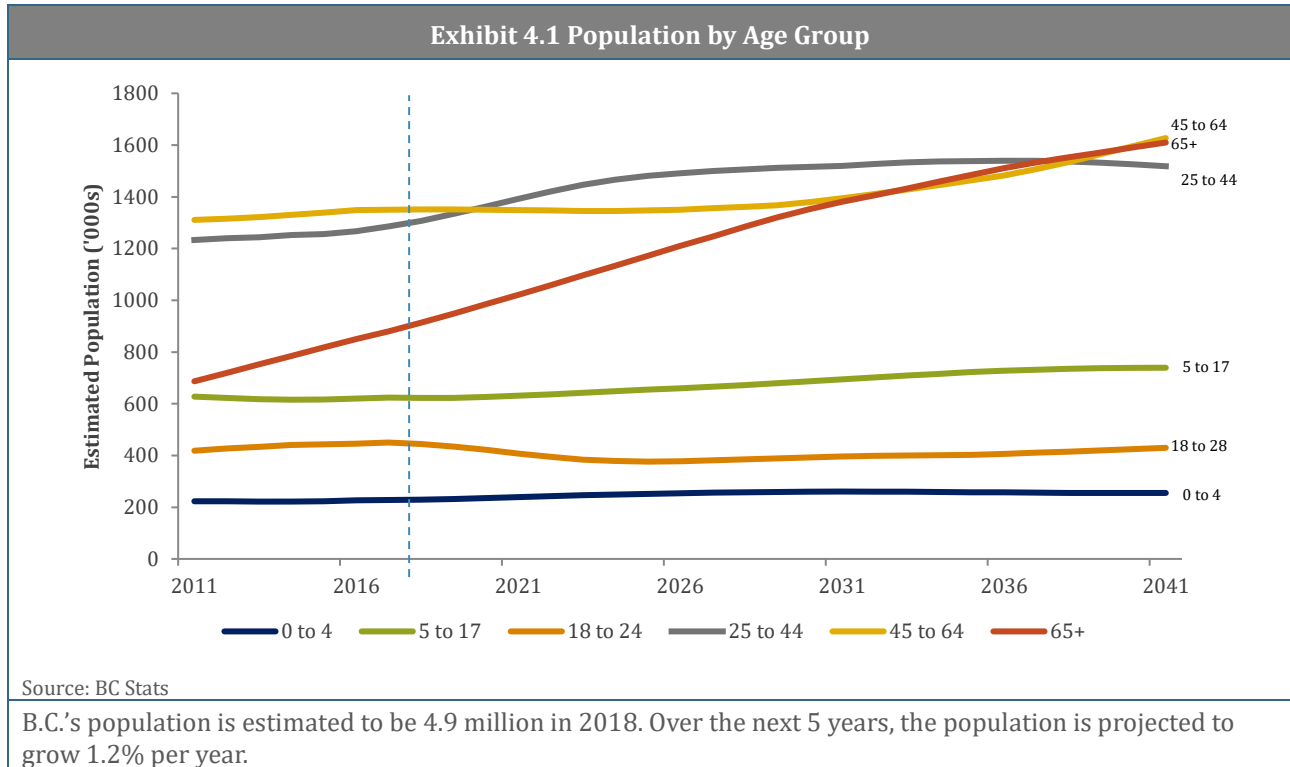


Source: Statistic Canada

In April, B.C.'s manufacturing sales increased by 1.8%, reaching \$4.7 Billion. In comparison to April 2018, sales were 3.7% higher.

B.C. DEMOGRAPHICS

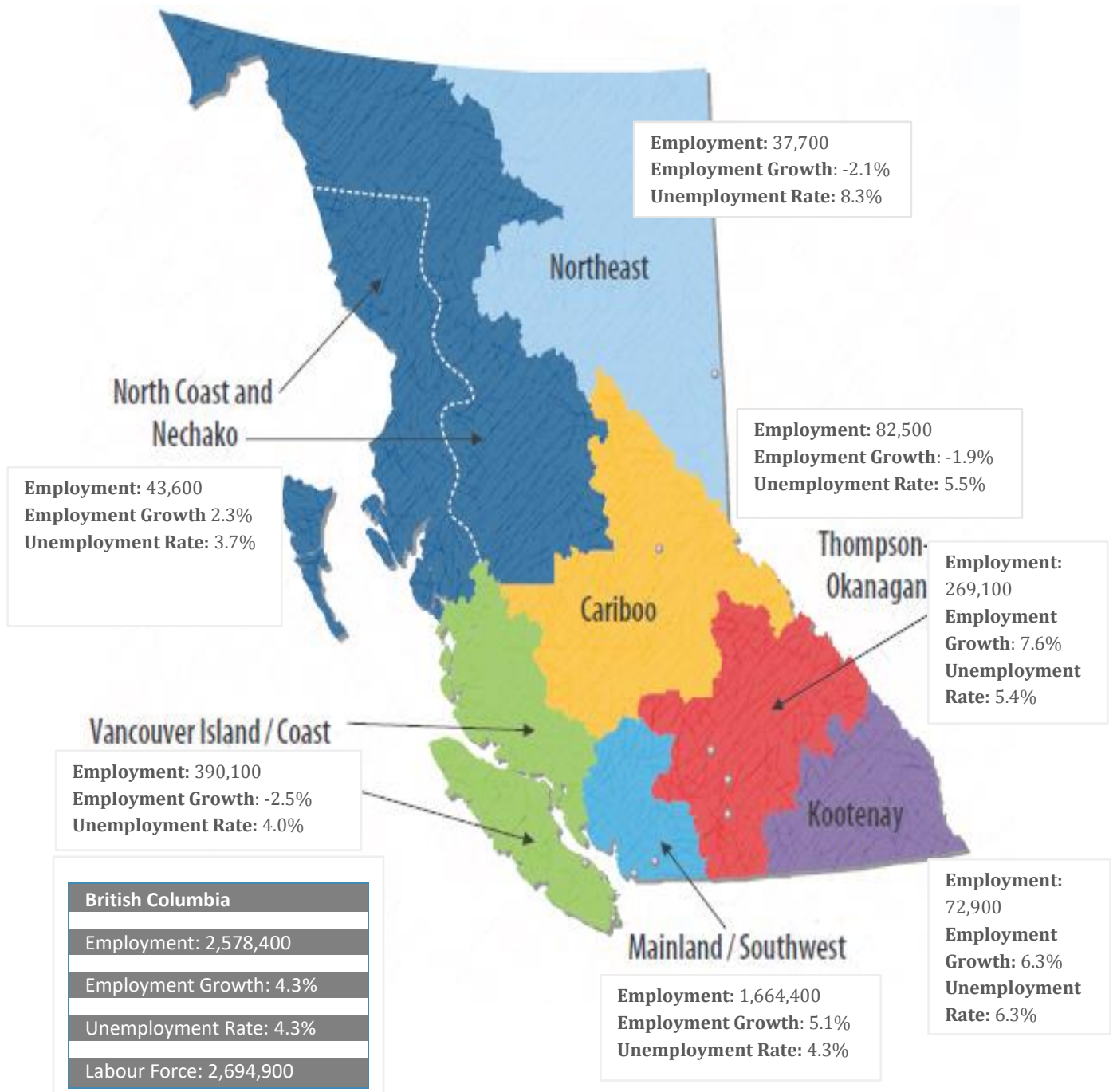
4. B.C. Demographics



REGIONAL SUMMARIES

5. Regional Summaries

Regional Labour Market Statistics – May 2019



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.

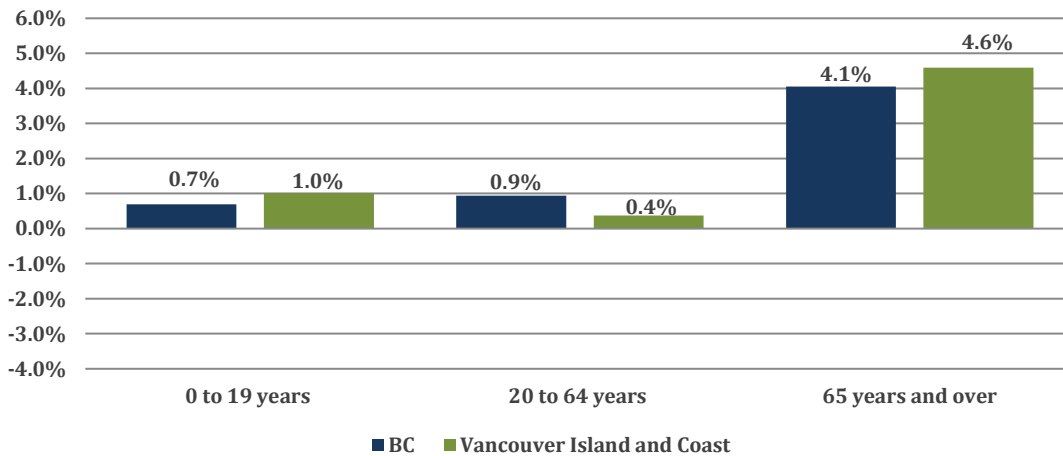
Source: Statistics Canada

VANCOUVER ISLAND/COAST REGION

6. Vancouver Island/Coast Region

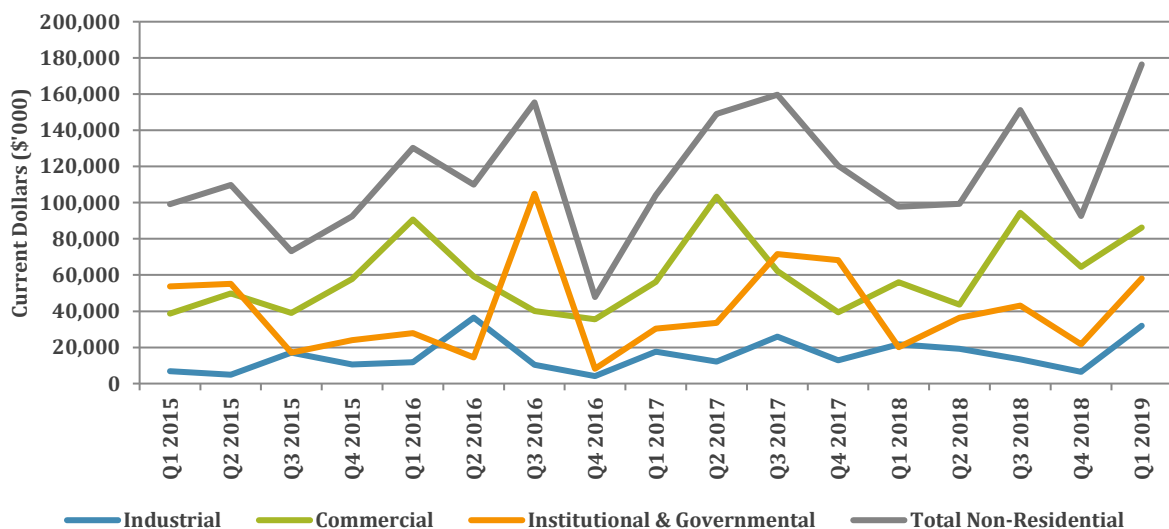
Key Economic Indicators

Exhibit 6.1 Population Growth 2017 - 2018



Source: BC Stats

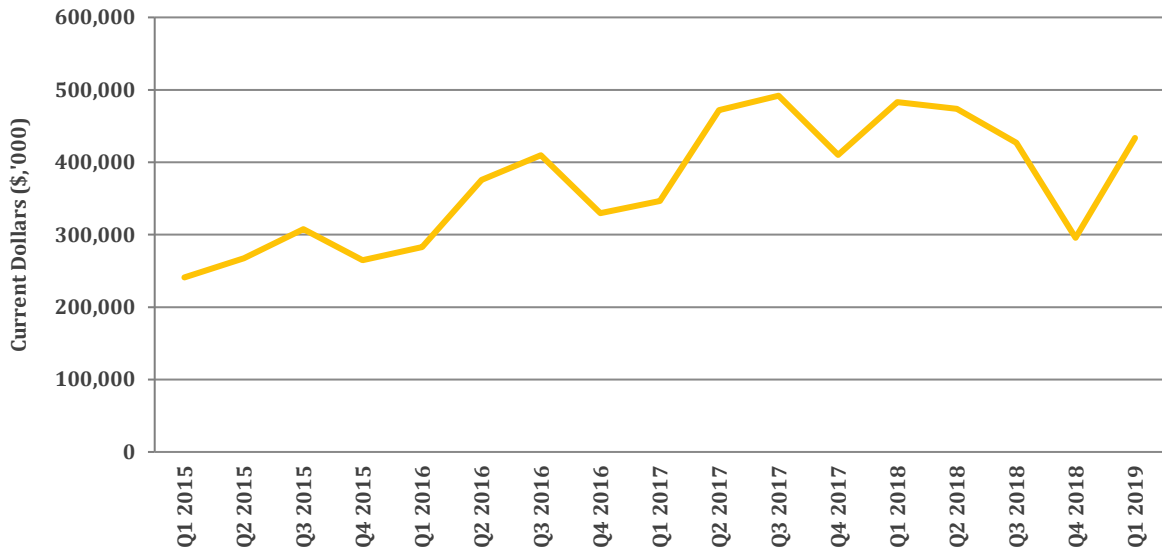
Exhibit 6.2 Value of Non-Residential Building Permits



Source: BC Stats

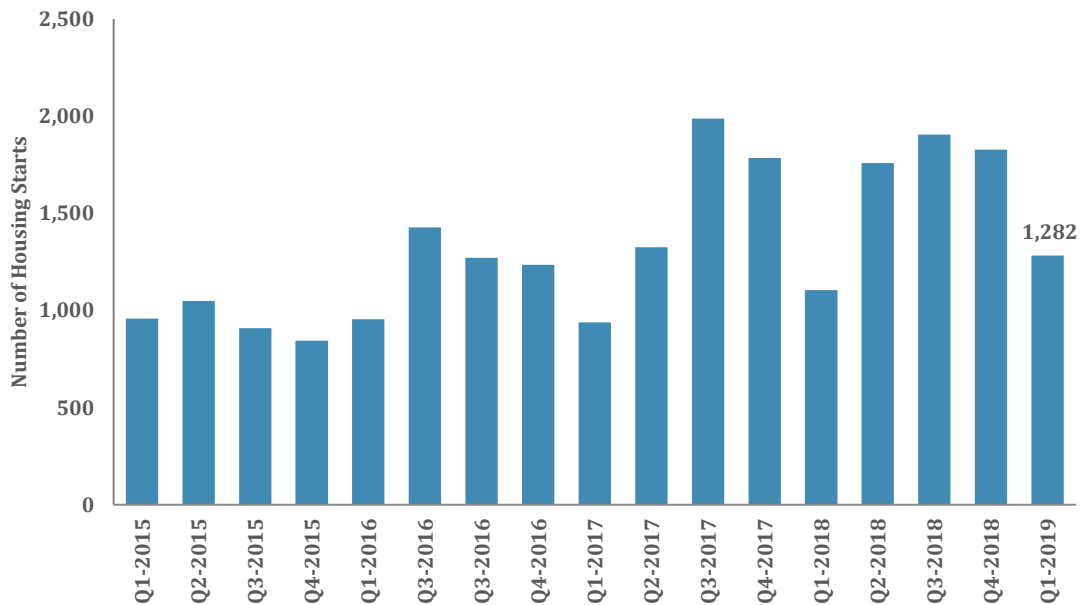
VANCOUVER ISLAND/COAST REGION

Exhibit 6.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 6.4 Housing Starts

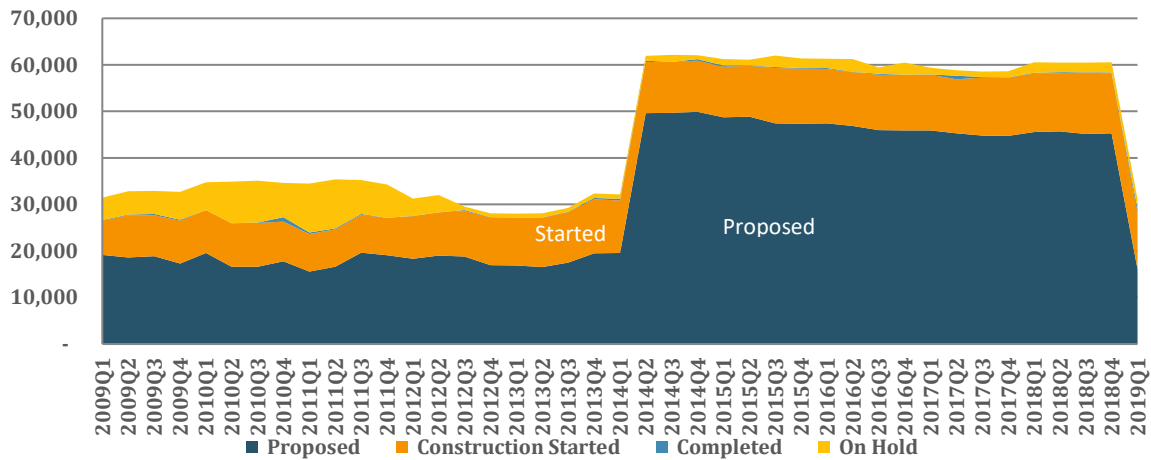


Source: CMHC

VANCOUVER ISLAND/COAST REGION

Trends in Major Projects

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



- In Q1 2019, the Vancouver Island/Coast region has a total of 149 major projects with a combined value of \$31.1 B. The cancellation of the Kwispaa (Sarita) LNG project (\$30 B) is the main reason for the almost 50 percent decrease compared to the previous quarter and last year.
- There are 3 newly proposed projects added to the MPI this quarter Highway 14 Corridor Improvements (\$86 M), Nanaimo Regional General Hospital Intensive Care Unit Replacement (\$34 M) and 1100 Yates Street Condominium (\$22 M).
- \$985 M John Hart Generating Station Replacement was completed in this quarter.
- Royal Bay Secondary School Expansion (\$30 M), Fifteen88 Condominium (\$15 M)) began construction in this quarter.

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

Status	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	Change from the previous quarter	Change from the previous year
Proposed	45,578	45,685	45,157	45,317	16,152	-64.4%	-64.6%
Construction started	12,571	12,557	13,205	12,834	11,923	-7.1%	-5.2%
Completed	144	204	68	195	985	405.1%	584.0%
On hold	2,298	2,073	2,073	2,223	2,073	-6.7%	-9.8%
Grand Total	60,591	60,519	60,503	60,569	31,133	-48.6%	-48.6%

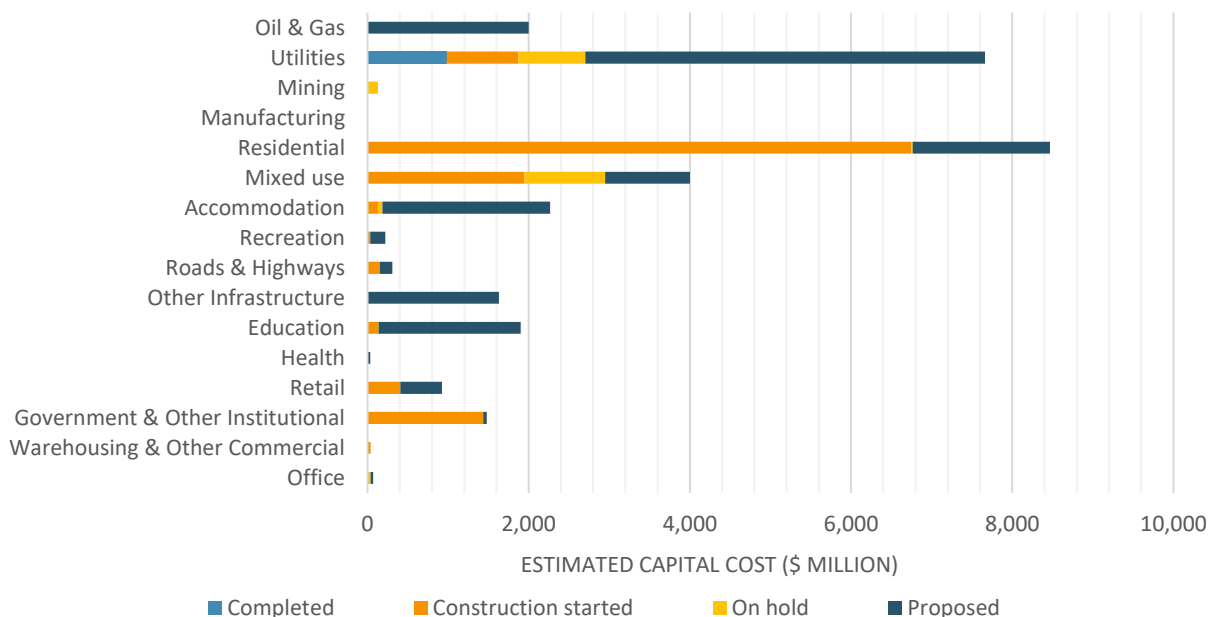
VANCOUVER ISLAND/COAST REGION

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	16,152	52%	79	224	6.3
Preliminary/Feasibility	3,443	11%	25	172	5.3
Consultation/Approvals	5,744	18%	33	185	6.7
Permitting	2,643	8%	8	330	4.5
Tender/Preconstruction	156	1%	5	31	3.5
Stage Unknown	4,166	13%	8	521	11.2
On hold	2,073	7%	10	230	11.8
Construction started	11,923	38%	59	206	7.5
Completed	985	3%	1	985	11.1
Total	31,133	100%	149	222	7.2

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



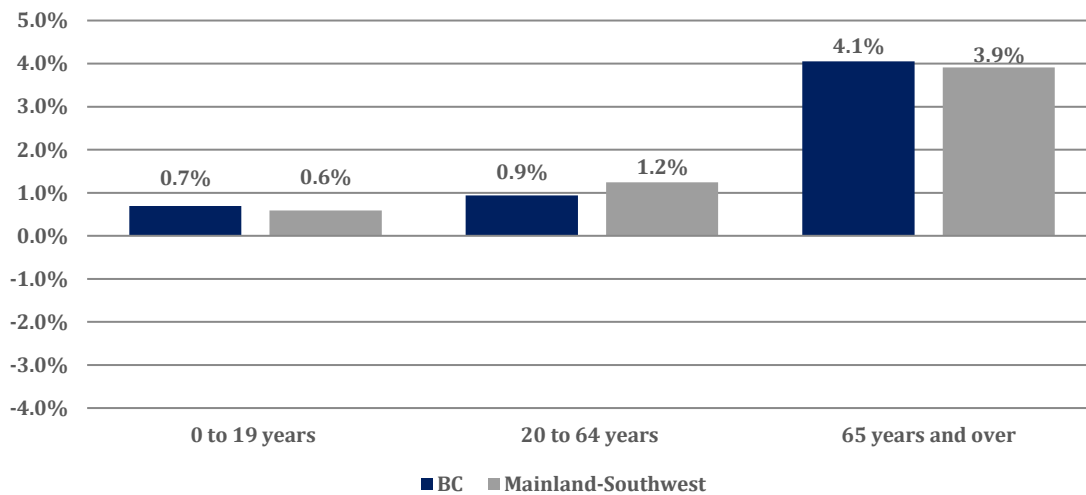
Note: Oil and Gas Extraction includes LNG

MAINLAND/SOUTHWEST REGION

7. Mainland/Southwest Region

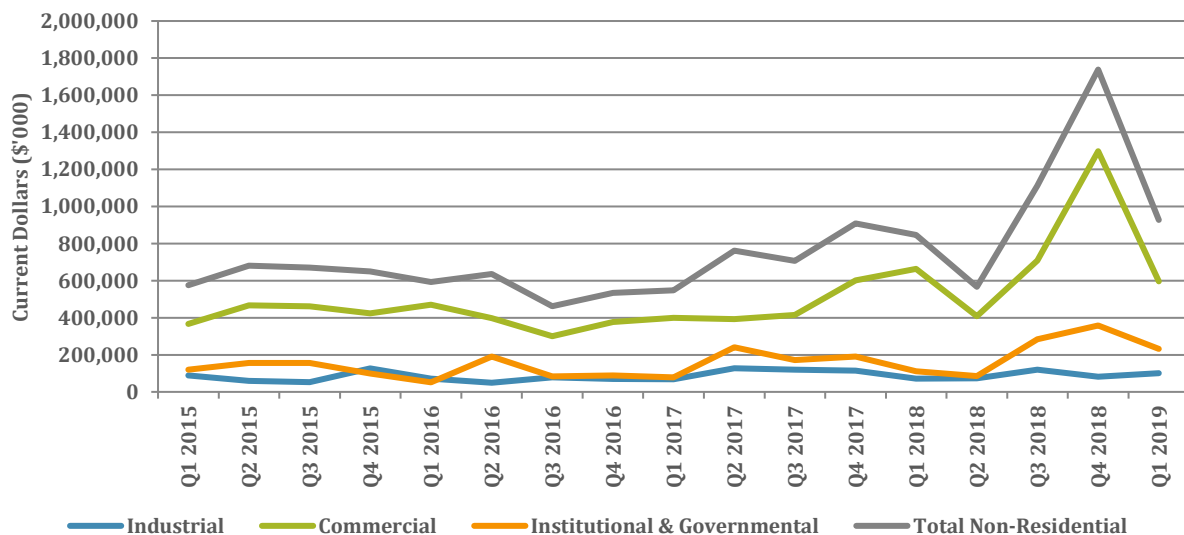
Key Economic Indicators

Exhibit 7.1 Population Growth 2017 - 2018



Source: BC Stats

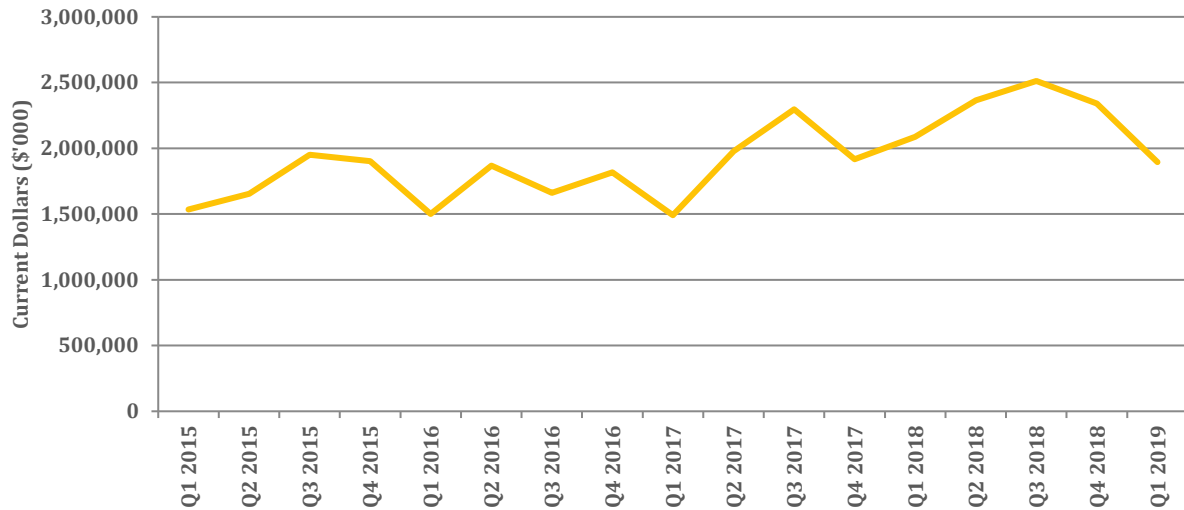
Exhibit 7.2 Value of Non-Residential Building Permits



Source: BC Stats

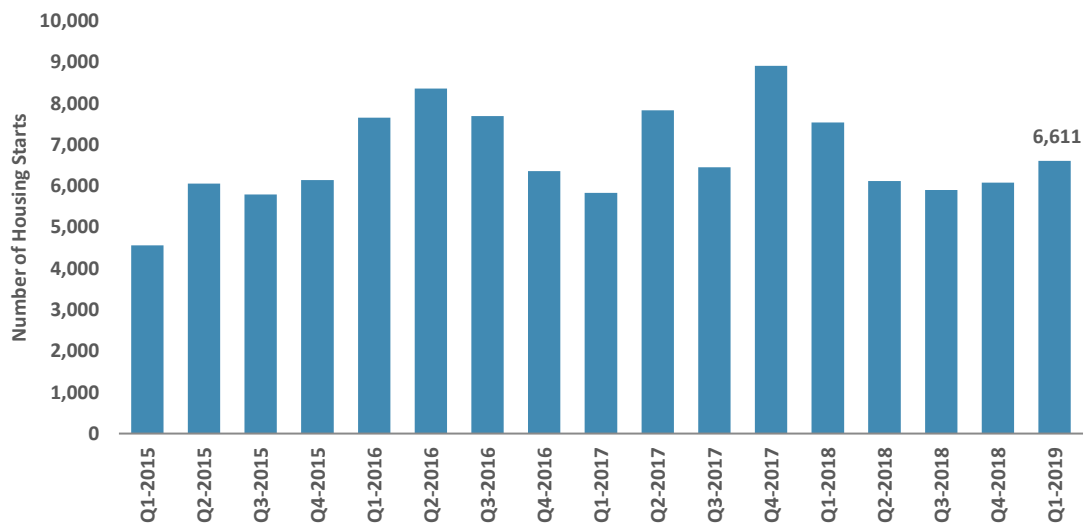
MAINLAND/SOUTHWEST REGION

Exhibit 7.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 7.4 Housing Starts



Source: CMHC

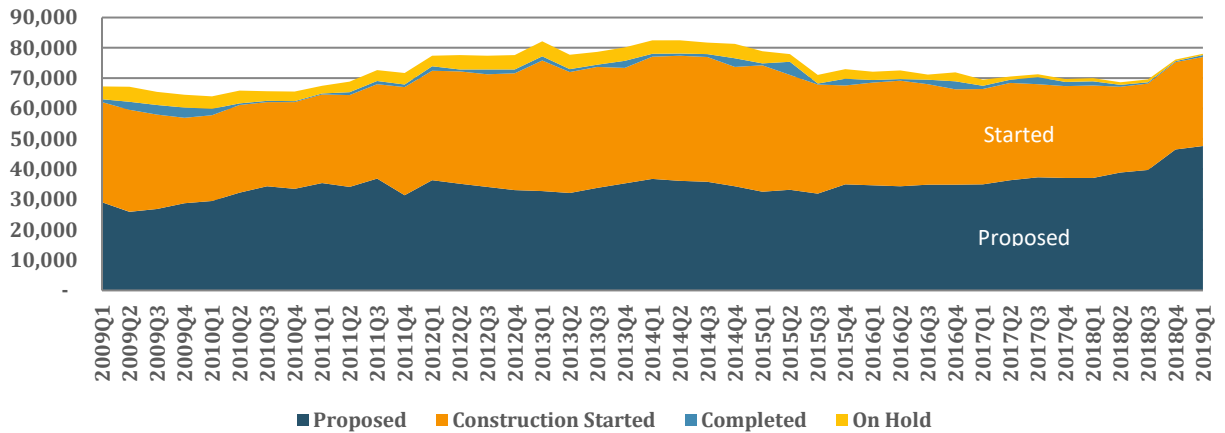
Note: The housing starts is the sum of the major centres: Abbotsford-Mission, Chilliwack, Squamish, and Vancouver.

MAINLAND/SOUTHWEST REGION

Trends in Major Projects

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

Mainland/Southwest Region



- In Q1 2019, the Mainland/Southwest region has a total of 534 major projects with a combined value of \$78 B, representing a 2.5% increase over the previous quarter as well as up 11.4% compared to one year earlier.
- There are 14 newly proposed projects added to the MPI this quarter. The top three largest projects are Expo/Millennium Line Upgrade Program (EMUP) (\$30 B) (\$1.47 B), Highway 1 Widening - 216 Street to 264 Street (\$236 M), and Barclay x Thurlow Condominiums (\$60 M). See more new projects in Appendix 1.
- Nine major projects were completed in this quarter such as Windsor Gate Residential Development (\$180 M), Skytrain Expansion - Expo Line (\$164 M) and Simon Fraser University - Energy Systems Engineering Building (\$126 M). See more completed projects in Appendix 3.
- Twenty-five major projects began construction in this quarter with total capital costs of \$1.33 B. The top three largest projects are Second Narrows Water Supply Tunnel in Vancouver (\$400 M), Pacific Residence in Vancouver (\$160 M), and Bridge River 2 Units 7 and 8 Upgrade Project in Lillooet (\$86 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	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	Change from the previous quarter	Change from the previous year
Proposed	37,070	38,912	39,725	46,522	47,607	2.3%	28.4%
Construction started	30,509	28,283	28,515	28,725	29,415	2.4%	-3.6%
Completed	1,424	600	451	384	643	67.4%	-54.8%
On hold	1,008	892	892	467	362	-22.5%	-64.1%
Grand Total	70,011	68,687	69,583	76,098	78,027	2.5%	11.4%

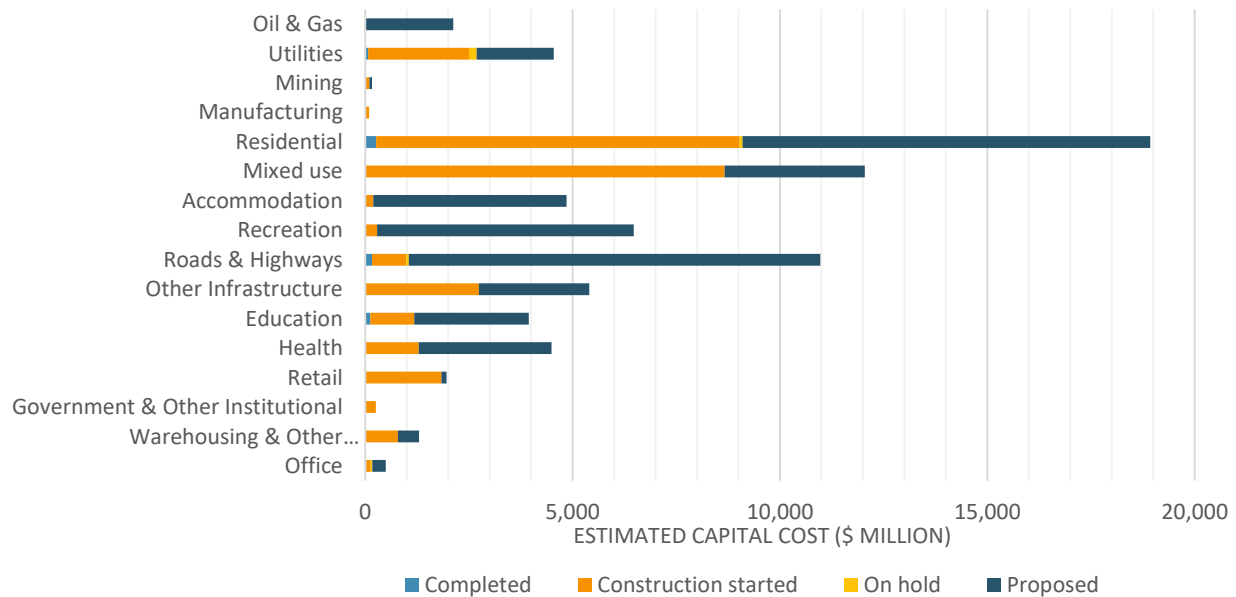
MAINLAND/SOUTHWEST REGION

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	47,607	61%	294	180	4.2
Preliminary/Feasibility	10,466	13%	64	201	3.8
Consultation/Approvals	14,290	18%	118	137	4.8
Permitting	4,491	6%	26	187	3.1
Tender/Preconstruction	7,471	10%	63	121	2.6
Stage Unknown	10,889	14%	23	495	7.6
On Hold	362	0%	8	52	10.8
Construction Started	29,415	38%	223	136	4.8
Completed	643	1%	9	71	5.8
Total	78,027	100%	534	157	4.6

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



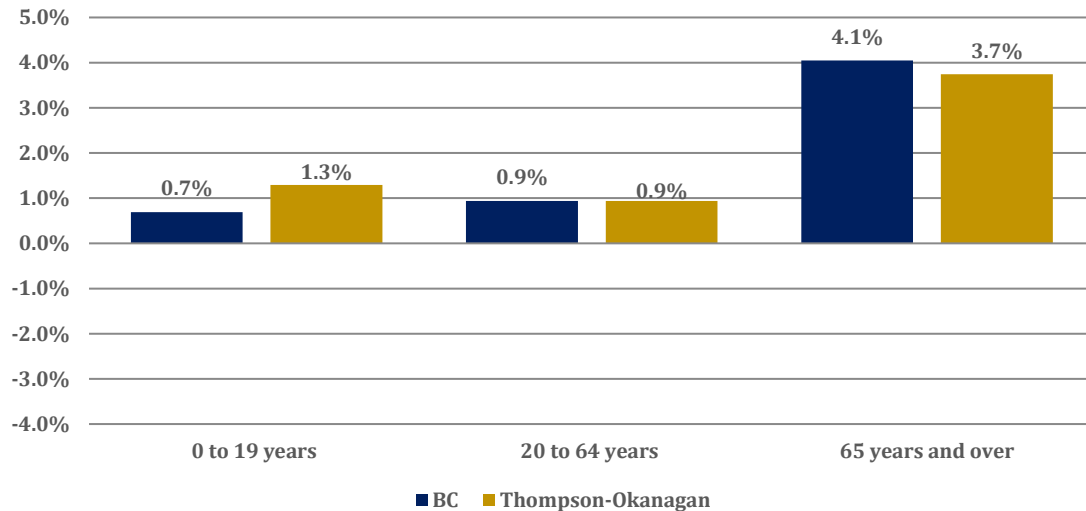
Note: Oil and Gas Extraction includes LNG

THOMPSON - OKANAGAN REGION

8. Thompson - Okanagan Region

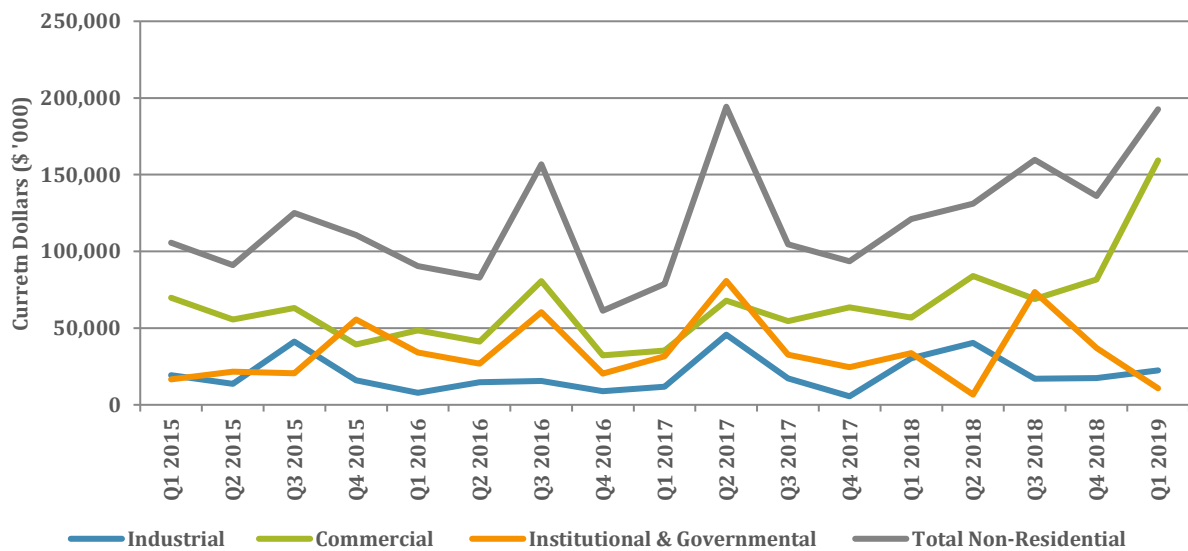
Key Economic Indicators

Exhibit 8.1 Population Growth 2017 - 2018



Source: BC Stats

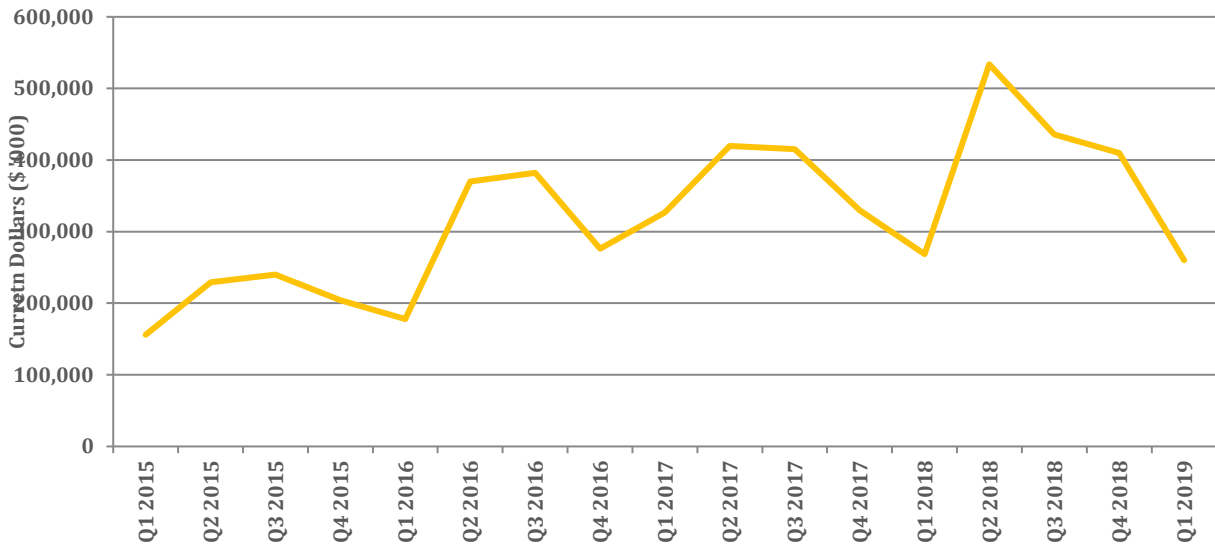
Exhibit 8.2 Value of Non-Residential Building Permits



Source: BC Stats

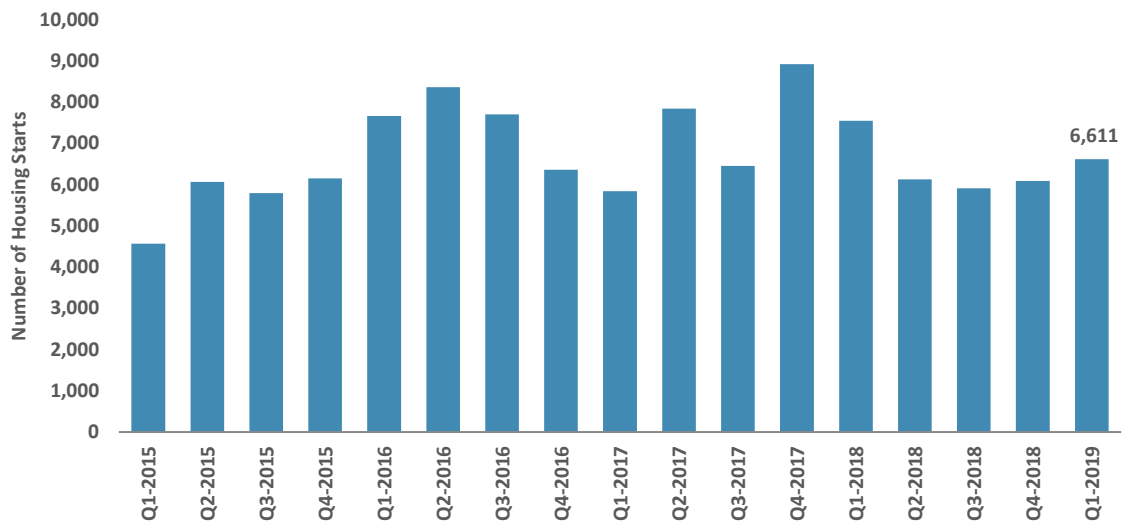
THOMPSON - OKANAGAN REGION

Exhibit 8.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 8.4 Housing Starts



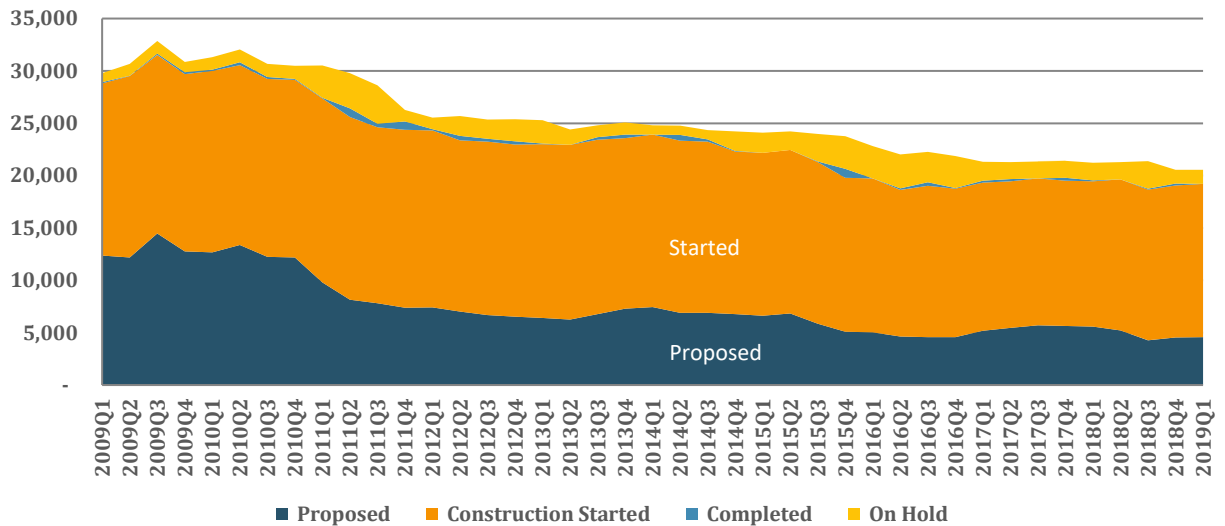
Source: CMHC

Note: The housing starts is 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 Q1 2019, the Thompson-Okanagan region has a total of 106 major projects with a combined value of \$20.6 B, remained the same as the previous quarter and 3.1% declined compared to one year earlier.
- There are 3 newly proposed projects added to the MPI this quarter: Highway 1 Quartz Creek Bridge in Golden (\$121 M), Valley View Secondary School Expansion in Kamloops (\$34 M) and Beverly Condominium in Kelowna (\$18 M)
- One Water Street Condominium (\$65 M) and IntraUrban Enterprise Industrial Park (\$15 M) in Kelowna began construction in this quarter.

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

Status	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	Change from the previous quarter	Change from the previous year
Proposed	5,574	5,210	4,276	4,533	4,581	1.1%	-17.8%
Construction started	13,892	14,438	14,387	14,516	14,641	0.9%	5.4%
Completed	70	0	90	183	0	0.0%	0.0%
On hold	1,677	1,638	2,621	1,338	1,338	0.0%	-20.2%
Grand Total	21,213	21,286	21,374	20,570	20,560	0.0%	-3.1%

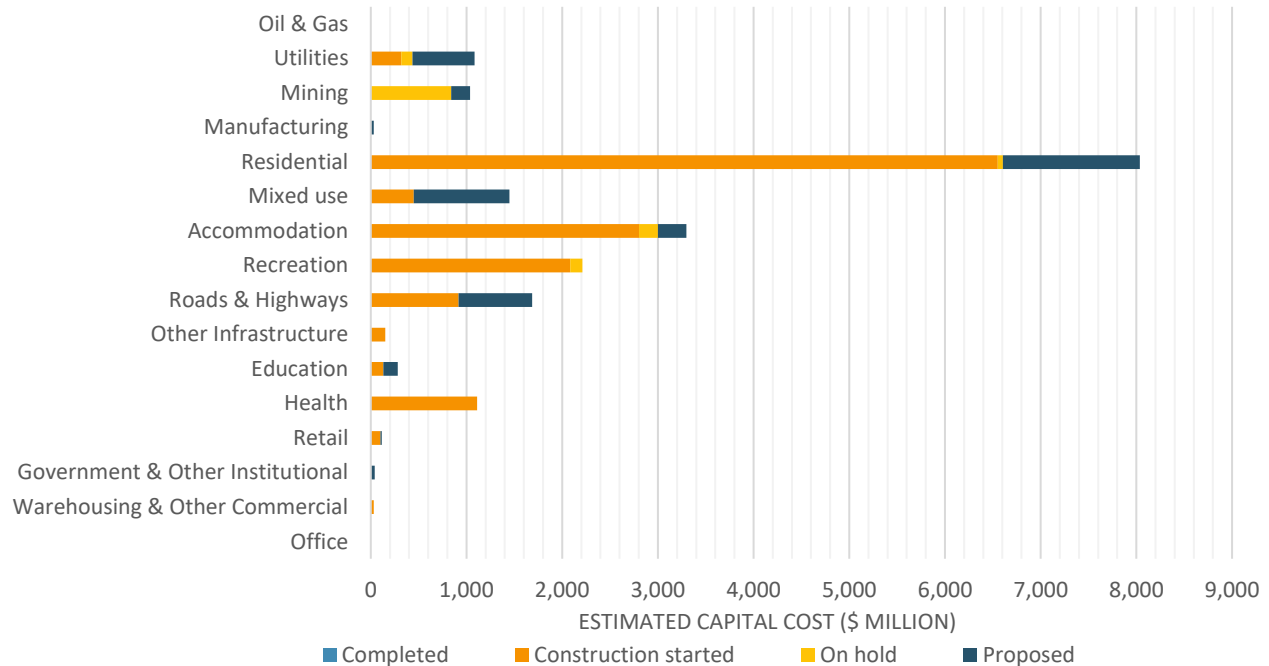
THOMPSON - OKANAGAN REGION

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	4,581	22%	43	115	6.5
Preliminary/Feasibility	715	3%	12	72	4.7
Consultation/Approvals	2,647	13%	15	176	8.1
Permitting	432	2%	5	86	7.2
Tender/Preconstruction	448	2%	4	112	2.0
Stage Unknown	339	2%	7	57	8.1
On hold	1,338	7%	6	223	12.3
Construction started	14,641	71%	57	261	9.2
Completed	0	0%	0	0	0.0
Total	20,560	100%	106	202	8.3

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.

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

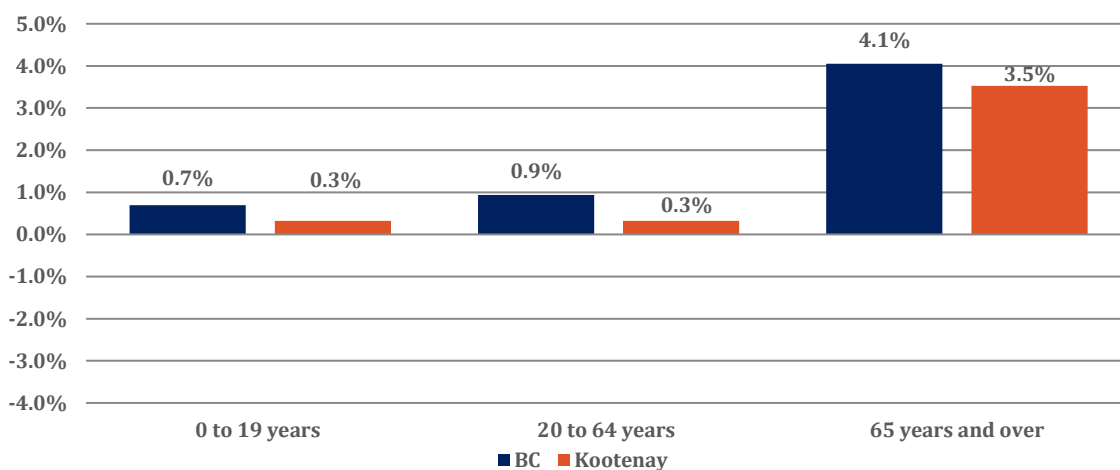


KOOTENAY REGION

9. Kootenay Region

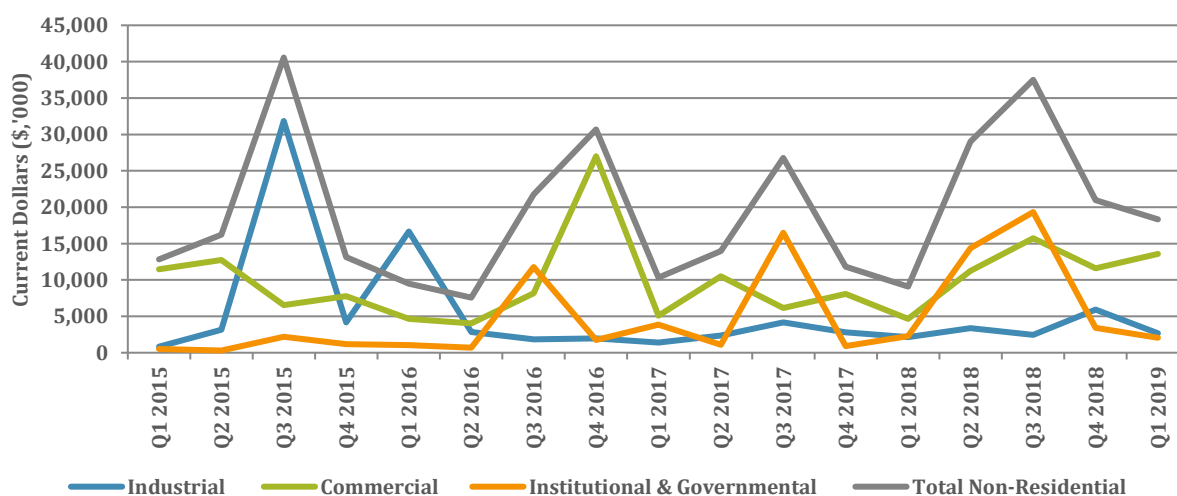
Key Economic Indicators

Exhibit 9.1 Population Growth 2017 - 2018



Source: BC Stats

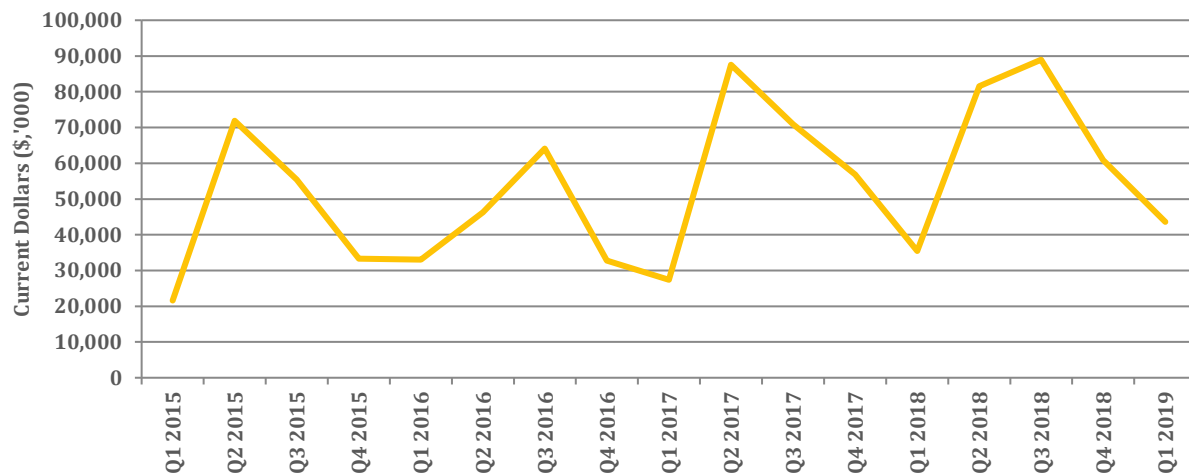
Exhibit 9.2 Value of Non-Residential Building Permits



Source: BC Stats

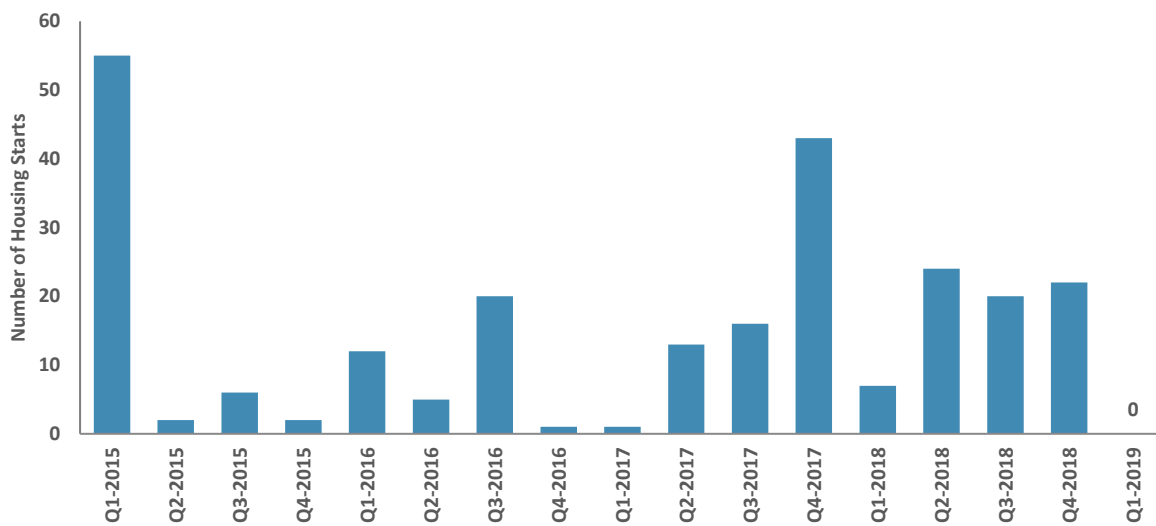
KOOTENAY REGION

Exhibit 9.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 9.4 Housing Starts - Nelson



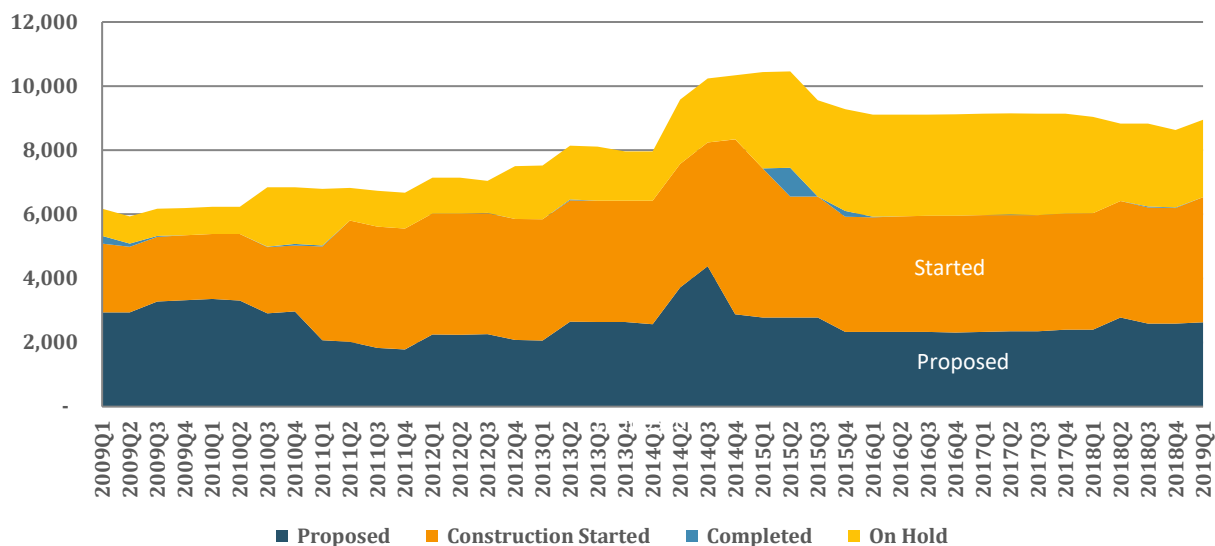
Source: CMHC

KOOTENAY REGION

Trends in Major Projects

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

Kootenay Region



- In Q1 2019, the Kootenay region had a total of 28 major projects with a combined value of \$8.95 B, a 3.7% decrease compared to the previous quarter and representing a 1.0% decline compared to one year earlier.
- There are 2 newly proposed projects added to the MPI this quarter: Kootenay Boundary Regional Hospital Ambulatory Care (\$39 M) in Trail and Kootenay Lake Ferry Service Upgrade (estimated cost is not available) in Balfour.

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

Kootenay Region

Status	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	Change from the previous quarter	Change from the previous year
Proposed	2,399	2,779	2,590	2,590	2,629	1.5%	9.6%
Construction started	3,634	3,634	3,623	3,601	3,901	8.3%	7.3%
Completed	-	-	28	22	-	0.0%	0.0%
On hold	3,010	2,420	2,592	2,420	2,420	0.0%	-19.6%
Grand Total	9,043	8,833	8,833	8,633	8,950	3.7%	-1.0%

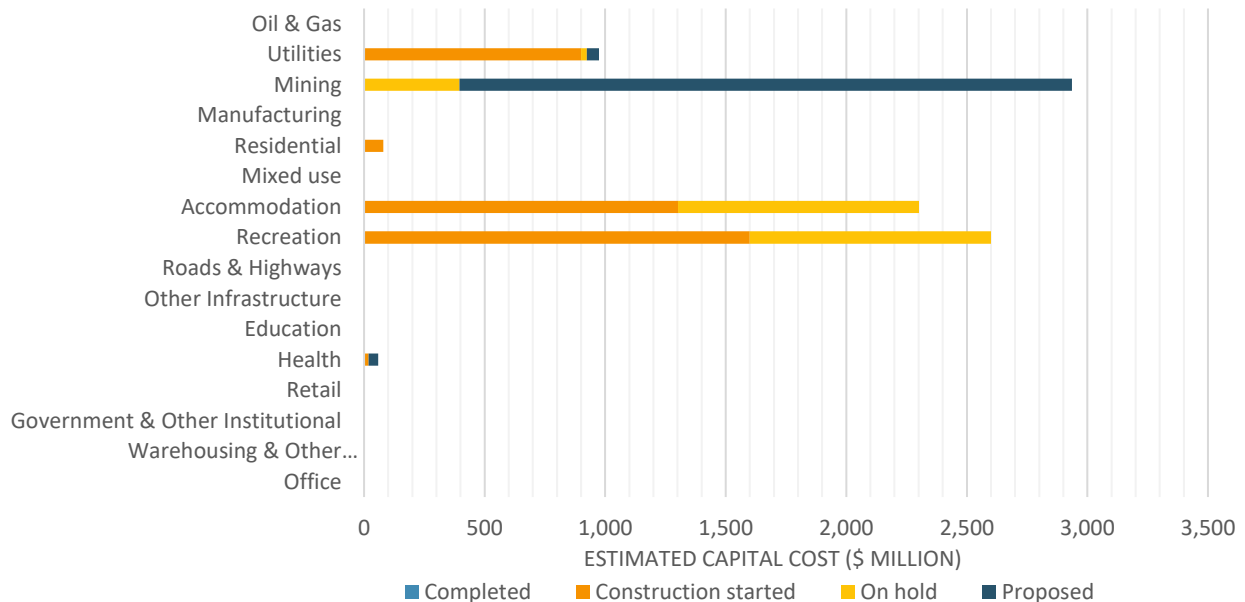
KOOTENAY REGION

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	2,629	29%	10	376	5.3
Preliminary/Feasibility	39	0%	3	39	2.4
Consultation/Approvals	2,540	28%	5	508	7.2
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	0	0%	0	0	0.0
Stage Unknown	50	1%	2	50	4.7
On hold	2,420	27%	4	605	14.9
Construction started	3,901	44%	14	279	15.0
Completed	0	0%	0	0	0.0
Total	8,950	100%	28	358	11.5

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 9.8 Major Projects Status, by Construction Subtype
Kootenay Region

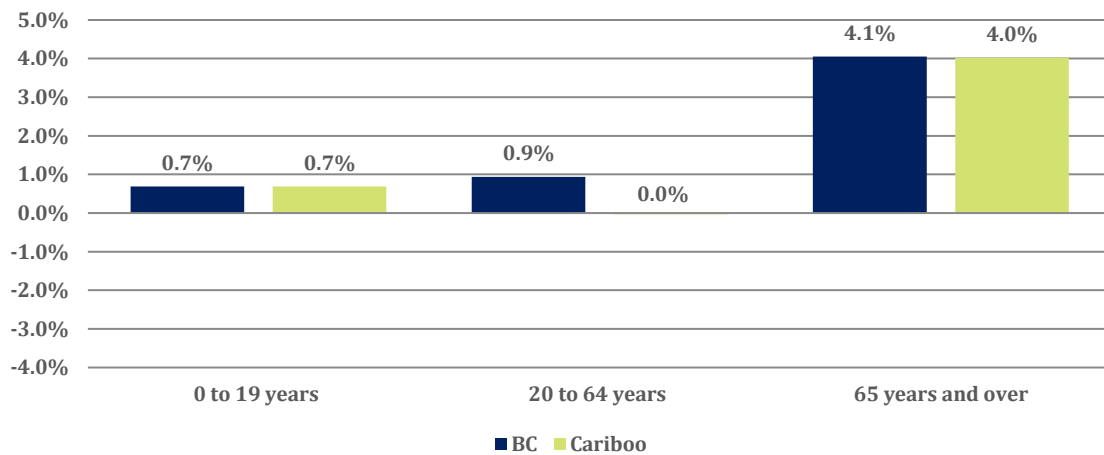


CARIBOO REGION

10. Cariboo Region

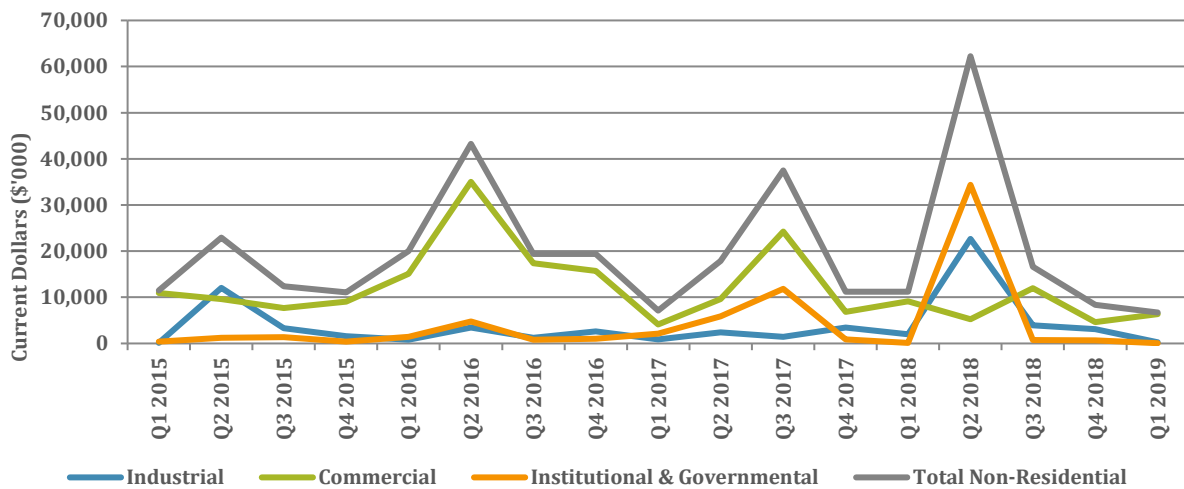
Key Economic Indicators

Exhibit 10.1 Population Growth 2017 - 2018



Source: BC Stats

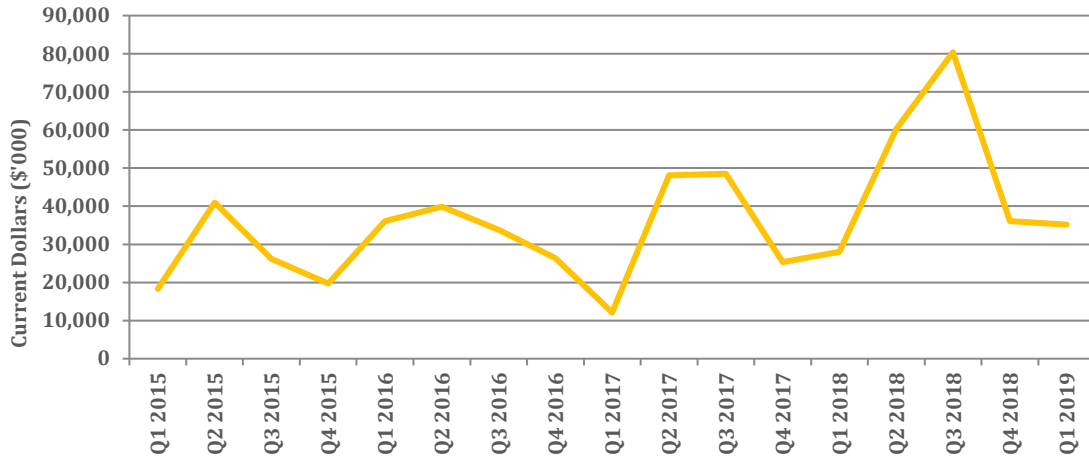
Exhibit 10.2 Value of Non-Residential Building Permits



Source: BC Stats

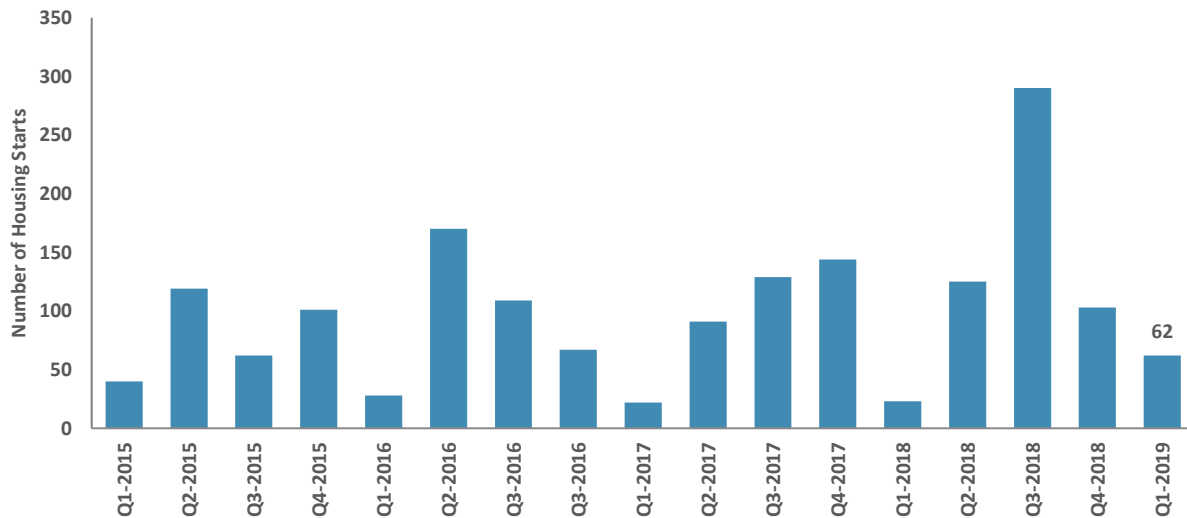
CARIBOO REGION

Exhibit 10.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 10.4 Housing Starts



Source: CMHC

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

CARIBOO REGION

Trends in Major Projects

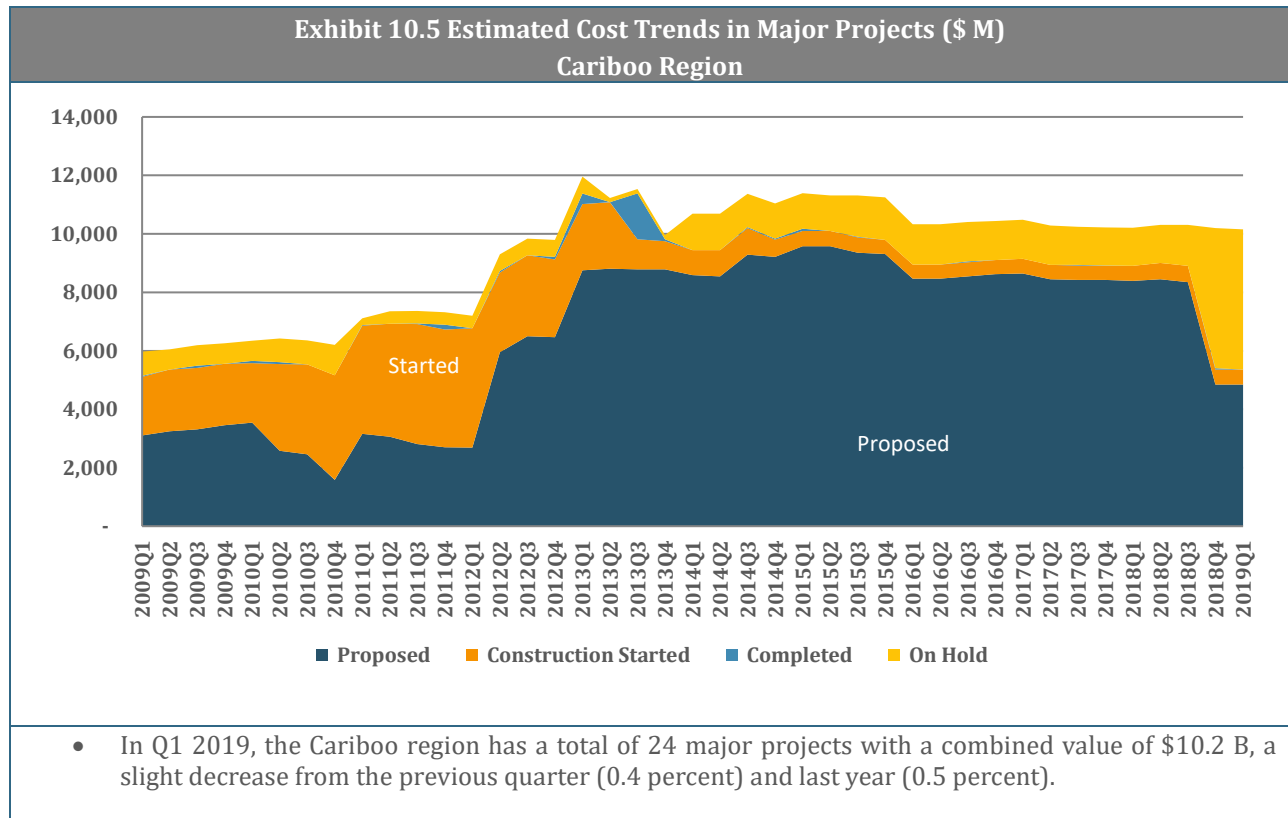


Exhibit 10.6 Estimated Cost Trends in Major Projects, by Project Status (\$M)
Cariboo Region

Status	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	Change from the previous quarter	Change from the previous year
Proposed	8,390	8,443	8,343	4,843	4,843	0.0%	-42.3%
Construction started	515	559	559	514	514	0.0%	-0.2%
Completed	0	0	0	43	0	0.0%	0.0%
On hold	1,300	1,300	1,400	4,800	4,800	0.0%	269.2%
Grand Total	10,205	10,302	10,302	10,200	10,157	-0.4%	-0.5%

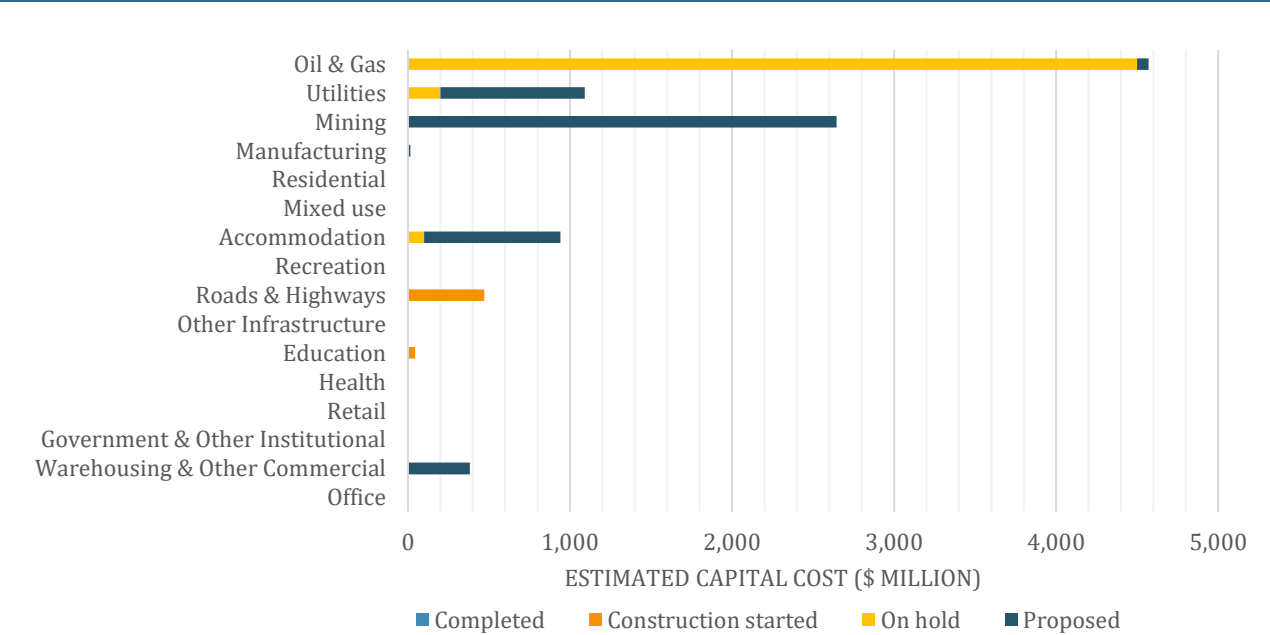
CARIBOO REGION

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	4,843	48%	18	303	8.5
Preliminary/Feasibility	992	10%	5	248	5.5
Consultation/Approvals	3,721	37%	9	465	8.3
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	60	1%	1	60	20.1
Stage Unknown	70	1%	3	23	10.0
On hold	4,800	47%	3	1600	14.9
Construction started	514	5%	3	171	6.1
Completed	0	0%	0	0	0.0
Total	10,157	100%	24	462	9.0

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 10.8 Major Projects Status, by Construction Subtype
Cariboo Region



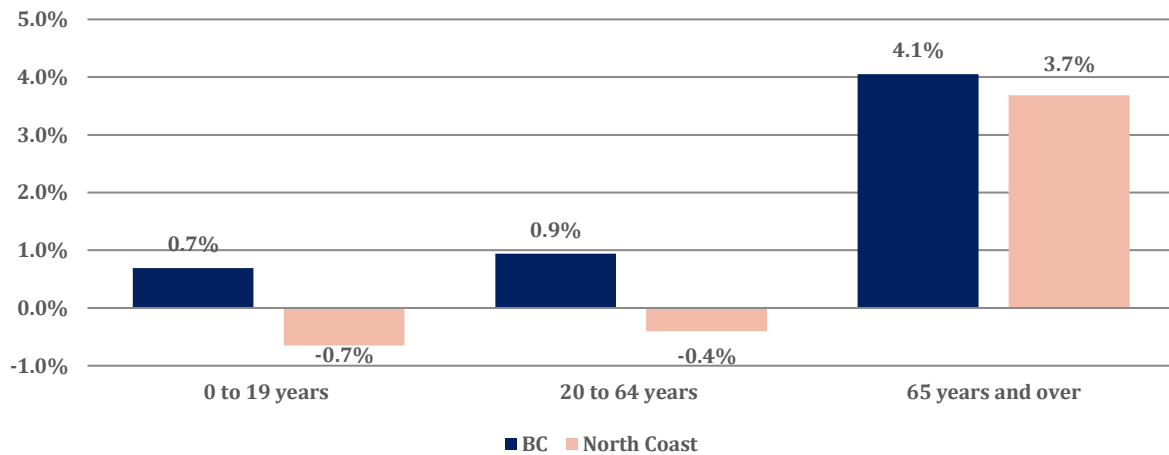
Note: Oil and Gas Extraction includes LNG

NORTH COAST REGION

11. North Coast Region

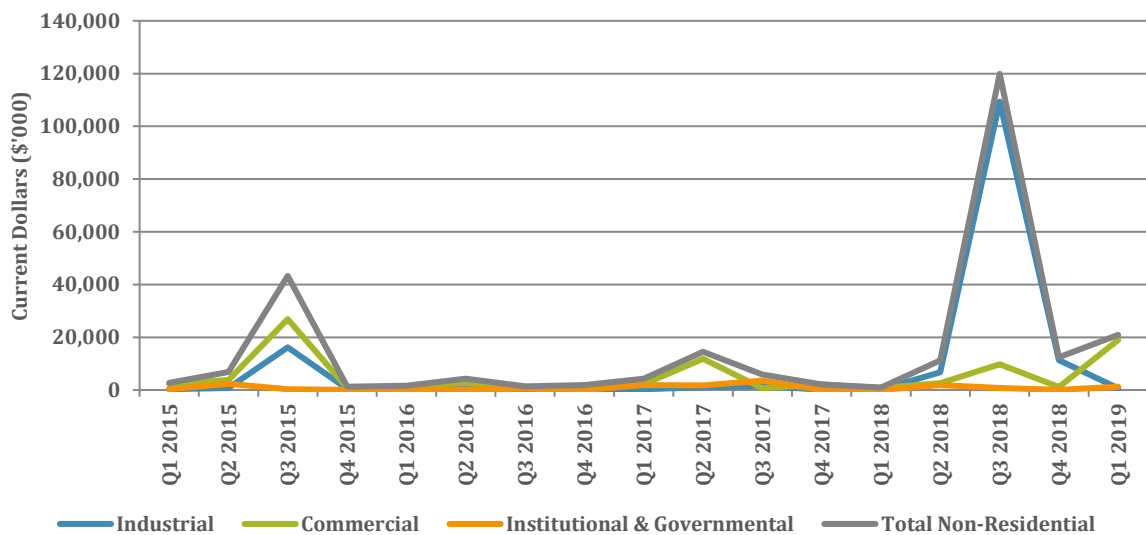
Key Economic Indicators

Exhibit 11.1 Population Growth 2017-2018



Source: BC Stats

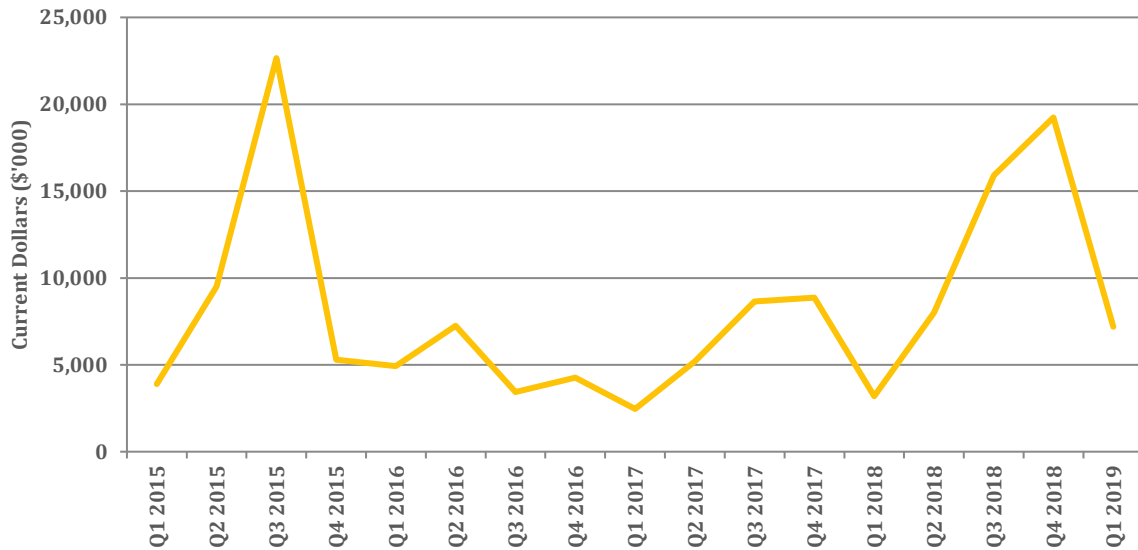
Exhibit 11.2 Value of Non-Residential Building Permits



Source: BC Stats

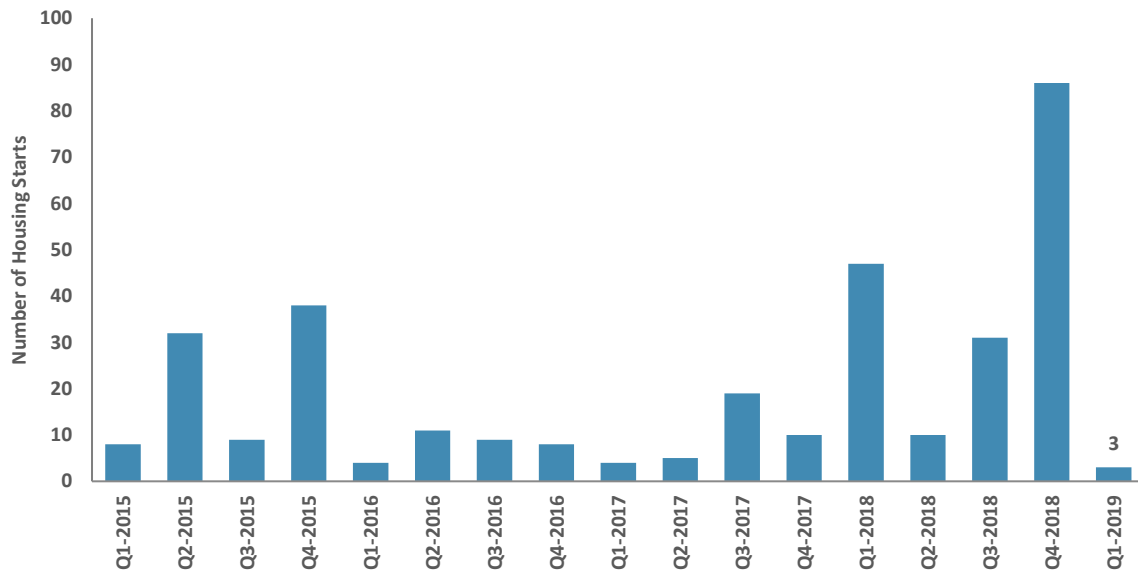
NORTH COAST REGION

Exhibit 11.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 11.4 Housing Starts – North Coast



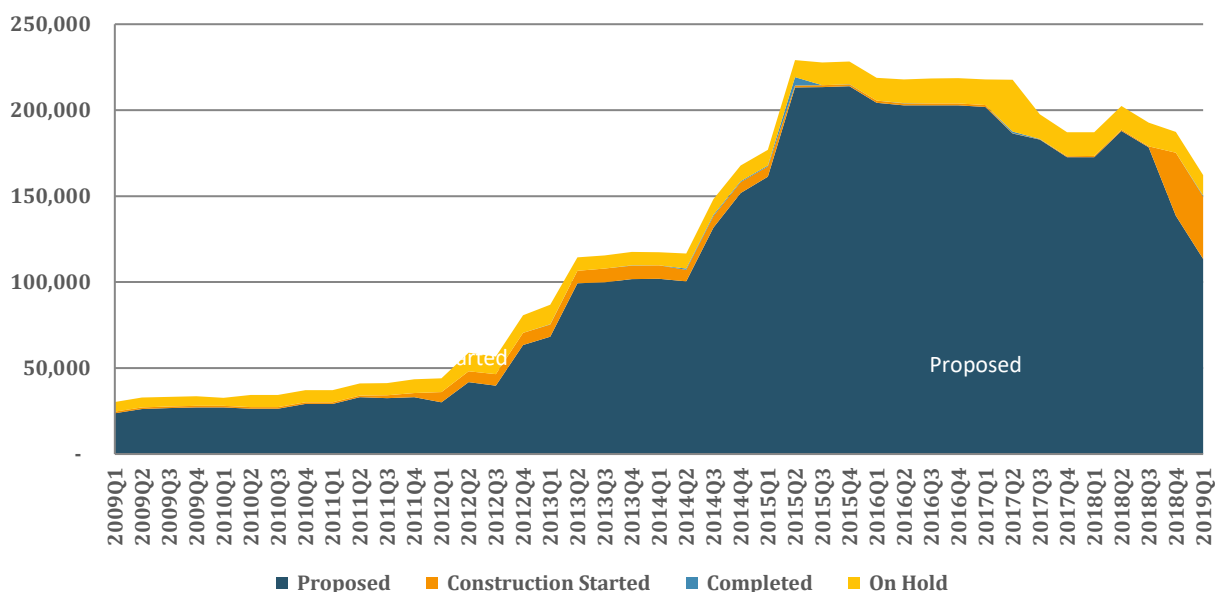
Source: CMHC

Note: The housing starts is 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 Q1 2019, the North Coast region has a total of 53 major projects with a combined value of \$162.2 B, representing a 13.4% decrease over the previous quarter and 13.3 percent declined compared to one year earlier, the changes are mainly due to cancellation of WCC LNG project with a \$25 B estimated cost.
- Ridley Island Propane Export Terminal in Prince Rupert (\$475 M) was completed in this quarter.

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

Status	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	Change from the previous quarter	Change from the previous year
Proposed	172,660	187,963	178,348	138,612	113,548	-18.1%	-34.2%
Construction started	647	669	669	36696	36221	-1.3%	5498.3%
Completed	0	15	0	18	475	2538.9%	0.0%
On hold	13,797	13,770	13,770	11,981	11,981	0.0%	-13.2%
Grand Total	187,104	202,417	192,787	187,307	162,225	-13.4%	-13.3%

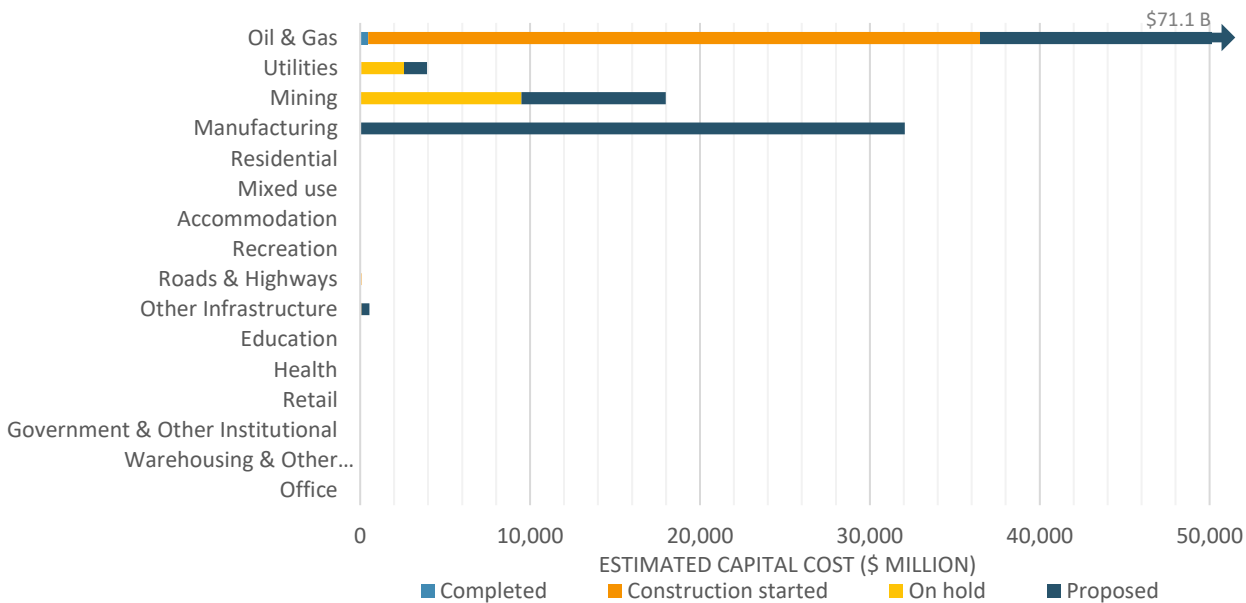
NORTH COAST REGION

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	113,548	70%	39	3,785	6.9
Preliminary/Feasibility	34,415	21%	12	3,824	5.0
Consultation/Approvals	34,112	21%	17	2,437	7.0
Permitting	39,800	25%	5	13,267	8.7
Tender/Preconstruction	0	0%	1	0	7.3
Stage Unknown	5,221	3%	4	1,305	9.6
On hold	11,981	7%	8	1,712	11.7
Construction started	36,221	22%	5	7,244.2	3.7
Completed	475	0%	1	475	3.3
Total	162,225	100%	53	3,773	7.2

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 11.8 Major Projects Status, by Construction Subtype
North Coast Region



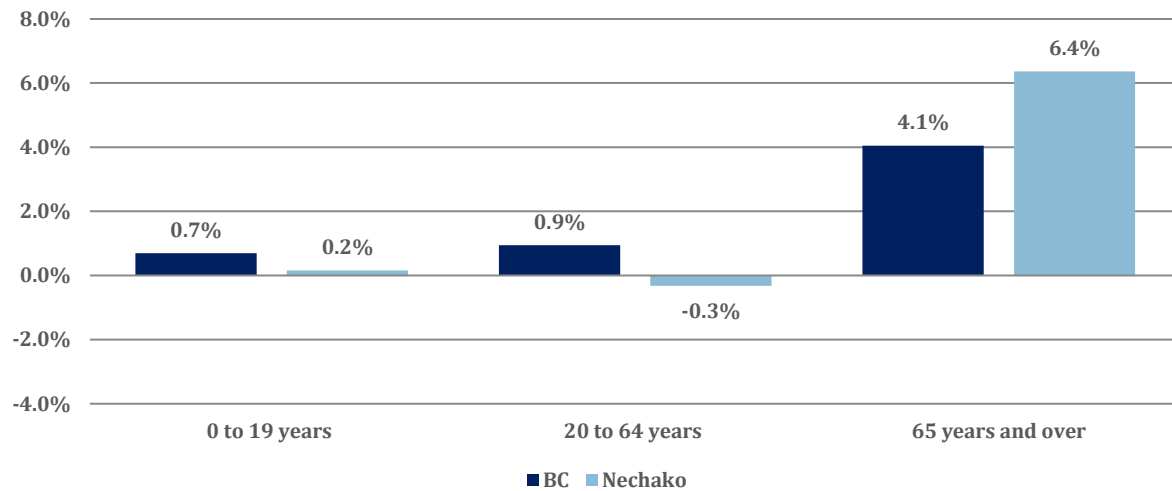
Note: Oil and Gas Extraction includes LNG

NECHAKO REGION

12. Nechako Region

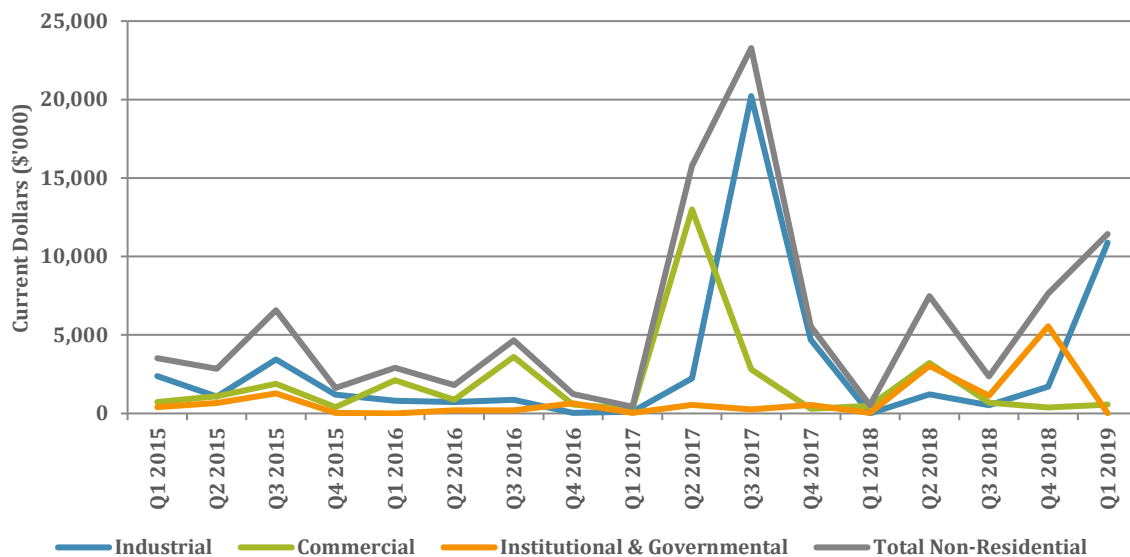
Key Economic Indicators

Exhibit 12.1 Population Growth 2017-2018



Source: BC Stats

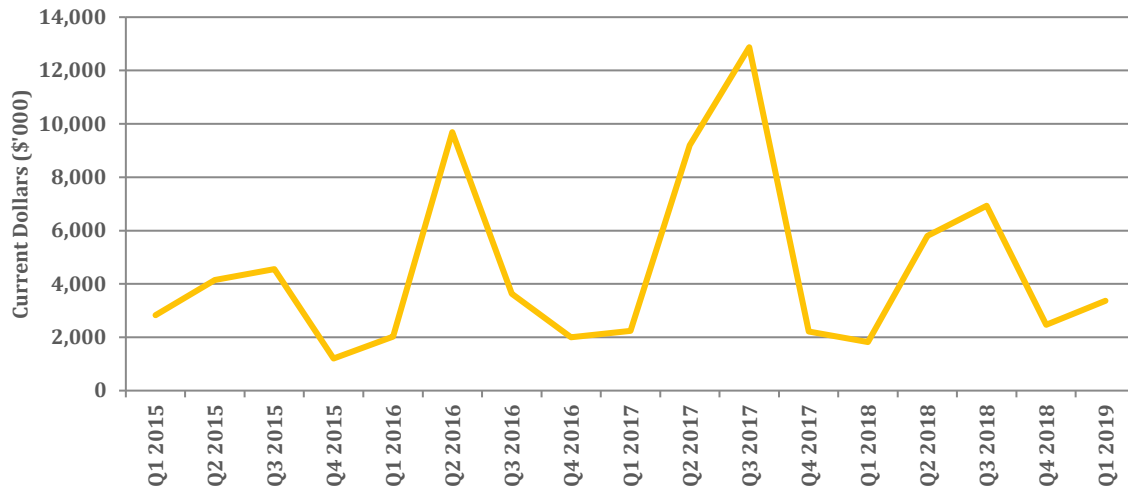
Exhibit 12.2 Value of Non-Residential Building Permits



Source: BC Stats

NECHAKO REGION

Exhibit 12.3 Value of Residential Building Permits



Source: BC Stats

NECHAKO REGION

Trends in Major Projects

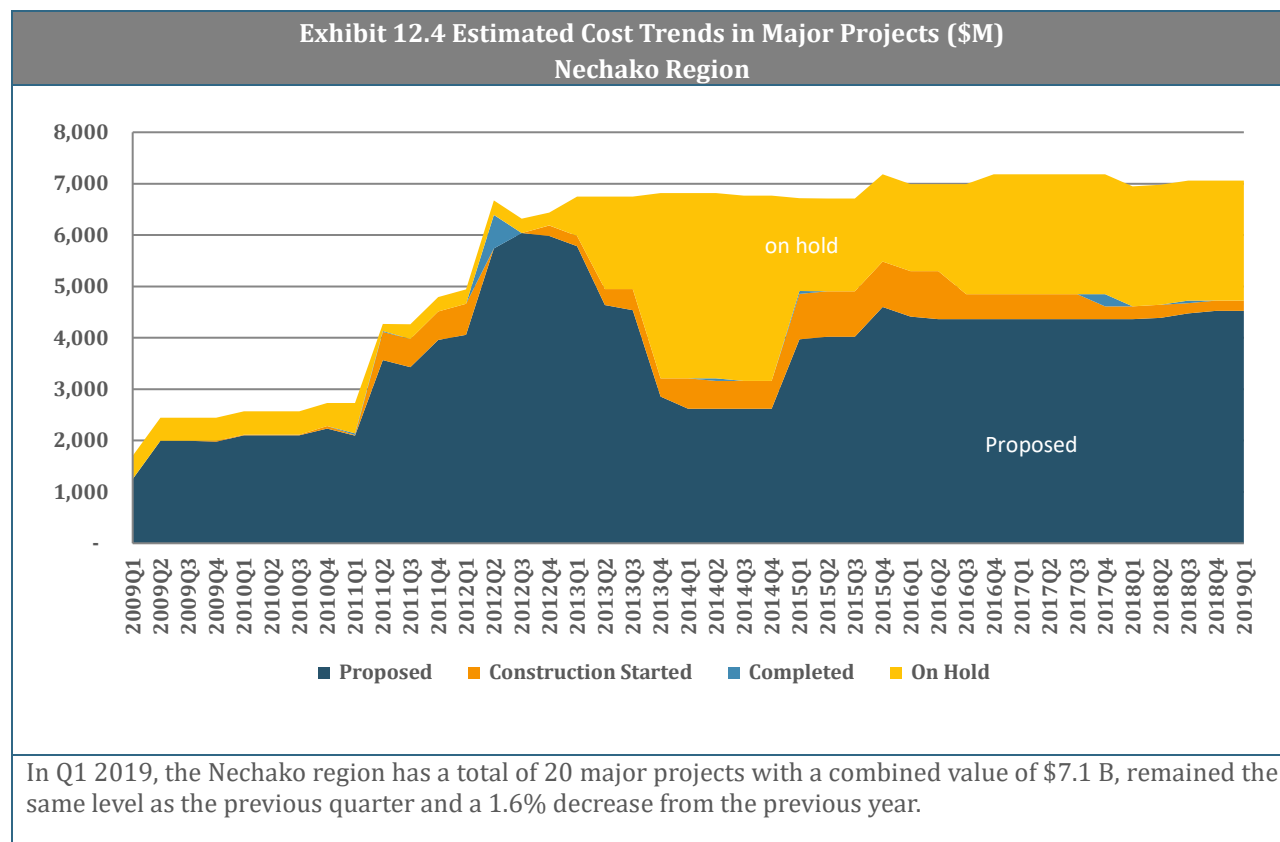


Exhibit 12.5 Estimated Cost Trends in Major Projects, by Project Status (\$M)
Nechako Region

Status	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	Change from the previous quarter	Change from the previous year
Proposed	4,361	4,390	4,472	4,522	4,522	0.0%	3.7%
Construction started	251	251	201	201	201	0.0%	-19.9%
Completed	0	0	50	0	0	0.0%	0.0%
On hold	2,335	2,335	2,335	2,335	2,335	0.0%	0.0%
Grand Total	6,947	6,976	7,058	7,058	7,058	0.0%	1.6%

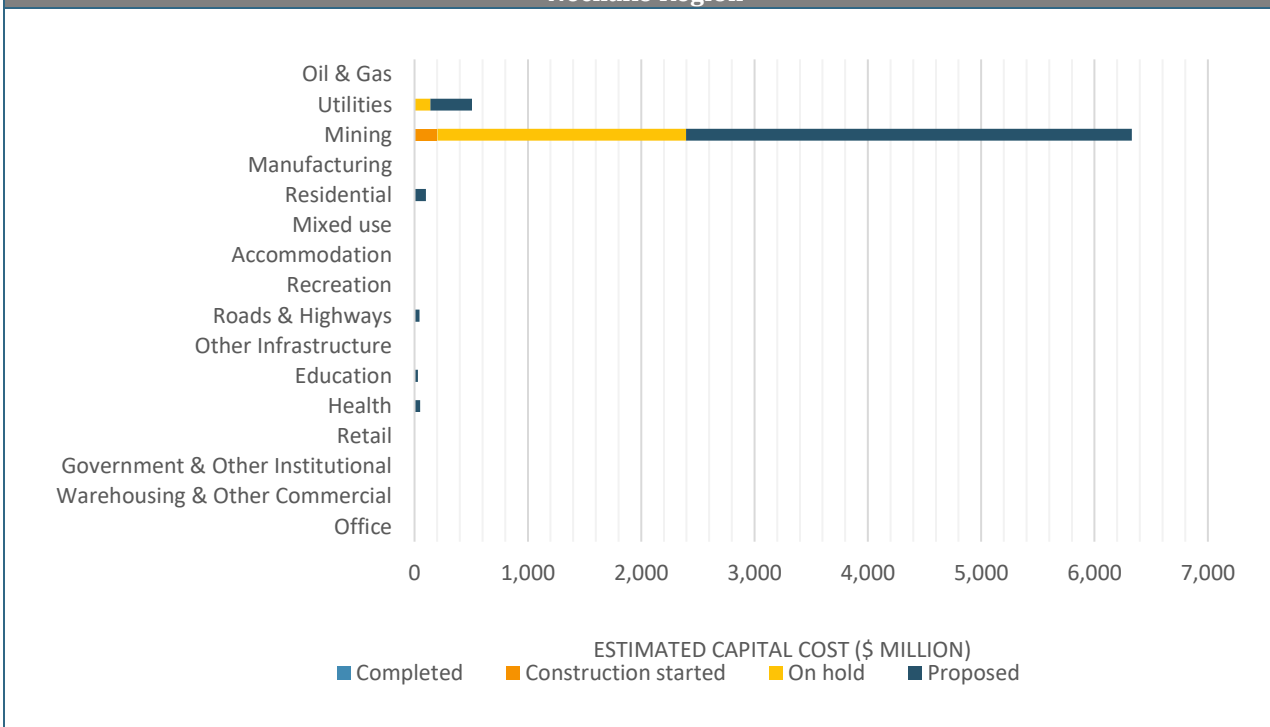
NECHAKO REGION

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	4,522	64%	14	348	8.9
Preliminary/Feasibility	925	13%	3	308	8.4
Consultation/Approvals	2,268	32%	8	284	9.8
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	29	0%	1	29	0.8
Stage Unknown	1,300	18%	2	1300	9.6
On hold	2,335	33%	5	467	13.4
Construction started	201	3%	1	201	7.3
Completed	0	0%	0	0	0.0
Total	7,058	100%	20	371	9.9

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

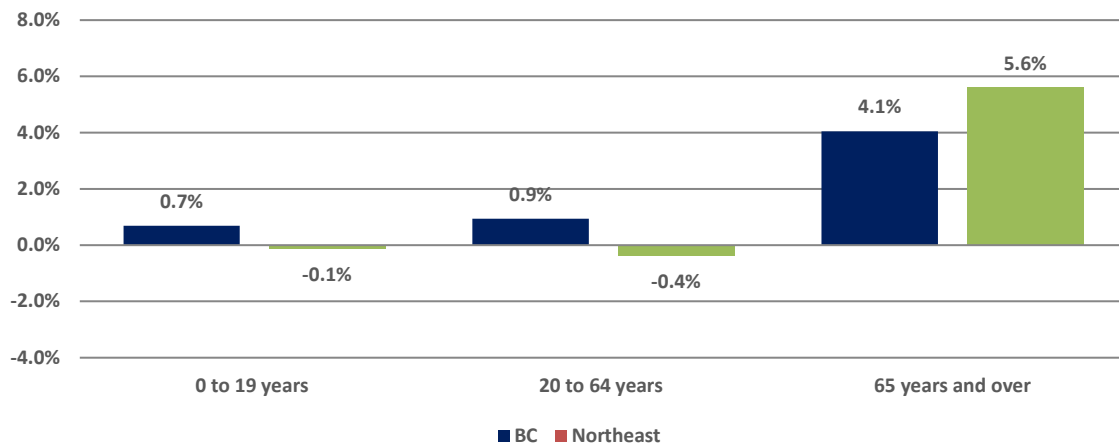


NORTHEAST REGION

13. Northeast Region

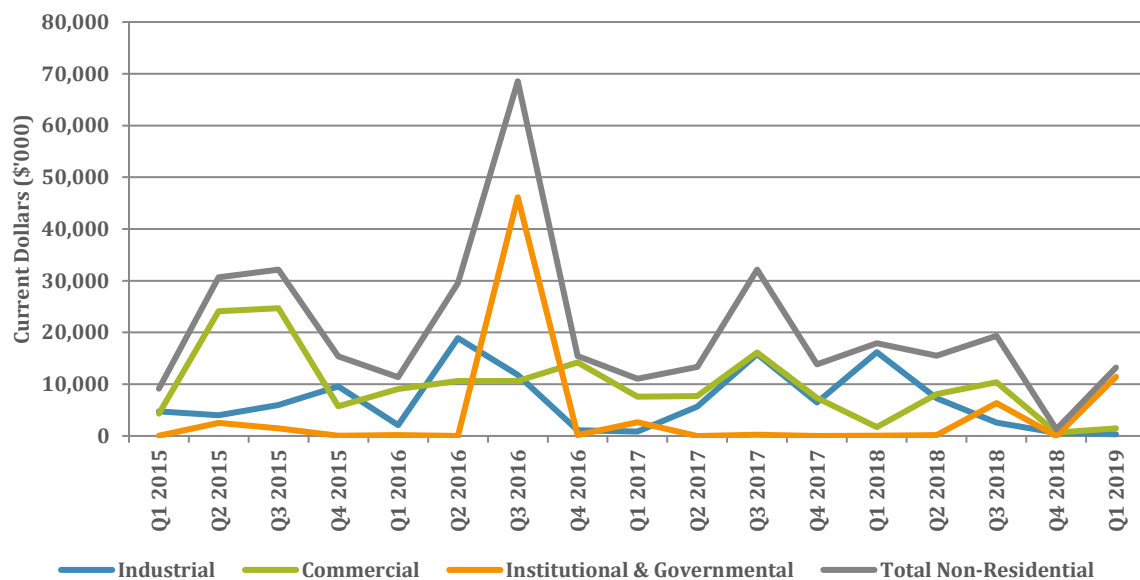
Key Economic Indicators

Exhibit 13.1 Population Growth 2017-2018



Source: BC Stats

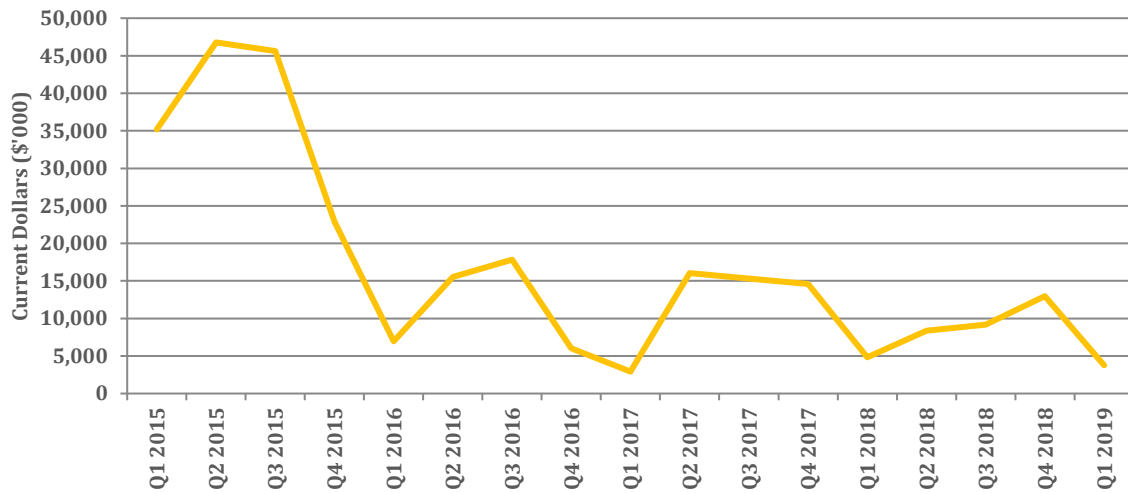
Exhibit 13.2 Value of Non-Residential Building Permits



Source: BC Stats

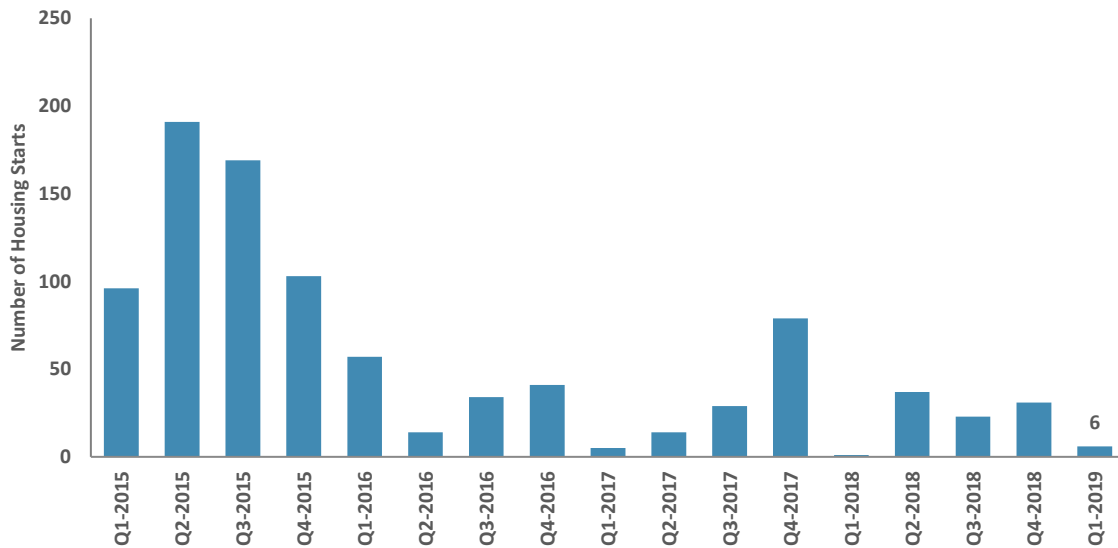
NORTHEAST REGION

Exhibit 13.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 13.4 Housing Starts



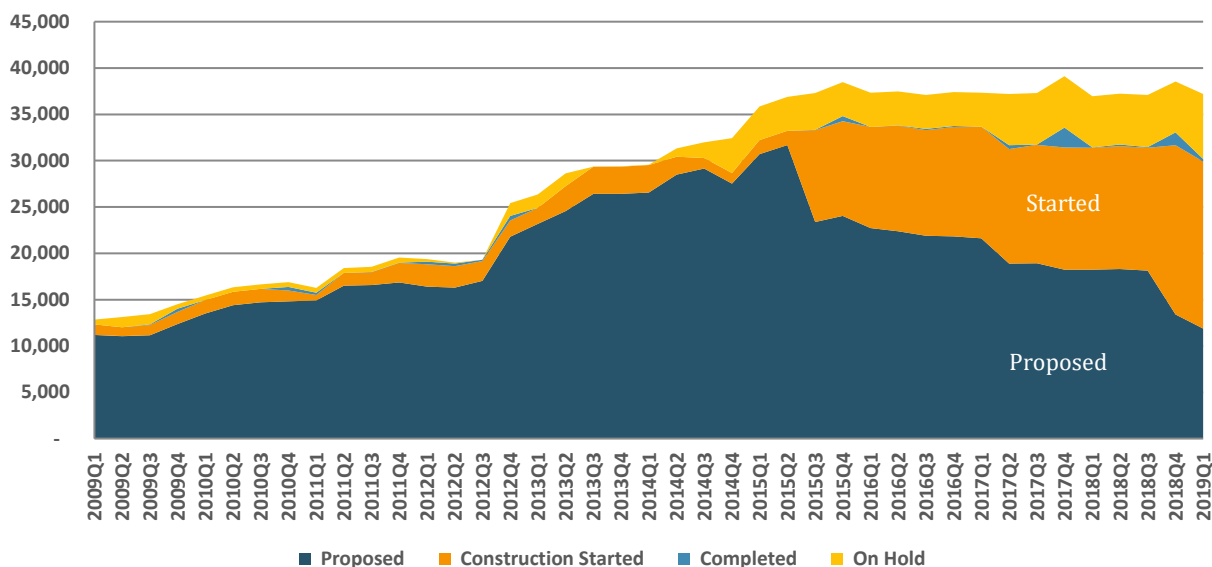
Source: CMHC

Note: The housing starts is the sum of the major centres: Dawson Creek and Fort St. John

NORTHEAST REGION

Trends in Major Projects

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



- In Q1 2019, the Northeast region has a total of 49 major projects with a combined value of \$37.2 B, representing a 3.5% decrease over the previous quarter and a 0.6% increase compared to one year earlier.
- Two major projects were completed in this quarter: Wyndwood Pipeline Looping Project in Chetwynd (\$170 M) and North Pine Liquids Facility Project (\$120 M).

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

Status	2018Q1	2018Q2	2018Q3	2018Q4	2019Q1	Change from the previous quarter	Change from the previous year
Proposed	18,234	18,292	18,140	13,402	11,887	-11.3%	-34.8%
Construction started	13,166	13,281	13,247	18,279	18,009	-1.5%	36.8%
Completed	26	170	61	1,369	290	-78.8%	1015.4%
On hold	5,537	5,501	5,626	5,501	7,001	27.3%	26.4%
Grand Total	36,963	37,244	37,074	38,551	37,187	-3.5%	0.6%

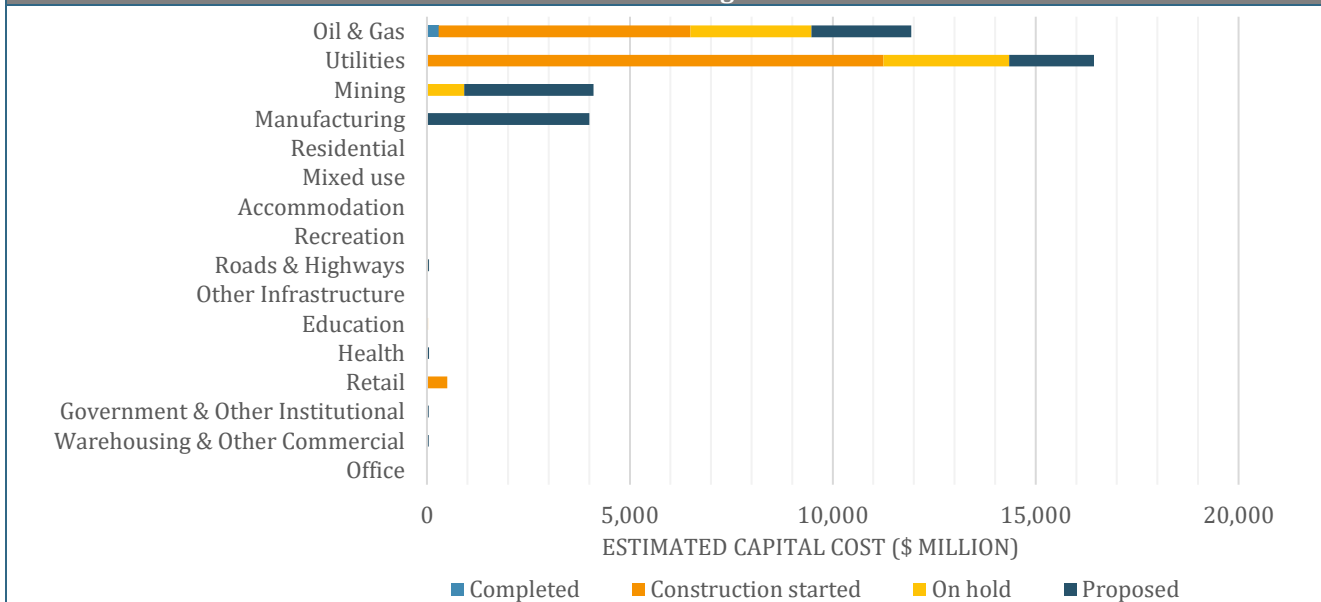
NORTHEAST REGION

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	11,887	32%	27	517	6.2
Preliminary/Feasibility	143	0%	3	48	0.7
Consultation/Approvals	7,664	21%	17	511	8.0
Permitting	4,000	11%	4	2000	3.5
Tender/Preconstruction	65	0%	2	33	3.7
Stage Unknown	15	0%	1	15	8.3
On hold	7,001	19%	9	778	8.6
Construction started	18,009	48%	11	1637	4.3
Completed	290	1%	2	145	3.3
Total	37,187	100%	49	826	6.1

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 13.8 Major Projects Status, by Construction Subtype
Northeast Region



Note: Oil and Gas Extraction includes LNG

APPENDICES

Appendices

Appendix 1

New Proposed Projects (January - March 2019)

Region	Municipality	Project	Estimated Cost (\$ million)
1. Vancouver Island/Coast	Langford	Highway 14 Corridor Improvements	86
	Nanaimo	Nanaimo Regional General Hospital Intensive Care Unit Replacement	34
	Victoria	1100 Yates Street Condominium	22
2. Mainland/Southwest	Vancouver	Barclay x Thurlow Condominiums	60
	Coquitlam	Sheffield Elementary	52
	Langley	Highway 1 Widening - 216 Street to 264 Street	236
	Abbotsford	Eagle Mountain Elementary	27
	Vancouver And Surrey	Expo/Millennium Line Upgrade Program (EMUP)	1,470
	Vancouver	UBC Farm Centre	20
	Vancouver	Geography Building Replacement	50
	Vancouver	5740 Cambie Condominiums	40
	Surrey	Avani Centre Condominium	35
	Langley	Latimer Heights Community	50
	Vancouver	1818 Alberni Highrise Condominium	30
	Coquitlam	Kira Condominium	20
	Langley	Atrium Condominium	20
	Delta	Scott & Nicholson Lowrise Condominium	38
	Kamloops	Valley View Secondary School Expansion	34
	Golden	Highway 1 Quartz Creek Bridge	121
	Kelowna	Beverly Condominium	18
	Balfour	Kootenay Lake Ferry Service Upgrade	-
	Trail	Kootenay Boundary Regional Hospital Ambulatory Care	39
Total			2,502

APPENDICES

Appendix 2

Construction Started (January - March 2019)				
Region	Municipality	Project	Completion Date	Estimated Cost (\$ million)
1. Vancouver Island/Coast	Colwood	Royal Bay Secondary School Expansion	2020Q3	30
	Saanich	Fifteen88 Condominium	2020Q4	15
	Burnaby	Laurel Street Works Yard	2022Q4	55
2. Mainland/Southwest	Burnaby	Etoile Condominium	2021Q4	45
		Alpha at Lumina Brentwood	2020Q4	30
		Wahleach Generating Station (WAH) Penstock Recoating Project	2021Q2	22
	Chilliwack	Coquitlam Transfer Station	2020Q2	62
	Langley	Langley Memorial Hospital Emergency Expansion	2020Q4	39
		Township Commons	2020Q1	40
	Lillooet	Bridge River 2 Units 7 and 8 Upgrade Project	2021Q1	86
	Port Moody	Eagle Ridge Hospital Emergency Expansion	2020Q4	28
	Richmond	Cascade City	2022Q4	42
	Squamish	Jumar Condominium Development	2020Q3	20
	Surrey	Edgewood Drive Elementary (Grandview Heights South #2) (Site 206)	2021Q1	33
		Linea Condominium	2021Q4	28
		Maverick Lowrise Condominium	2020Q2	22
		Panorama Drive Development	2020Q3	28
		Yorkton Place	2020Q3	25
		Camellia Seniors Complex	2020Q4	20
		Maple Grove Elementary School Replacement	2020Q3	24
		Chelsea Condominiums	2020Q4	N/A
	Vancouver	Second Narrows Water Supply Tunnel	2023Q4	400
		The Creek by Concert	2020Q4	30
		Seniors Apartments	2020Q4	40
		The Link Condominiums	2020Q2	21
		Pacific Residence	2021Q3	160
		Hebb Building Renewal	2019Q3	29
		One Water Street Condominium	2021Q3	65
		IntraUrban Enterprise Industrial Park	2019Q4	15
3. Thompson-Okanagan	Kelowna			
Total				1,454

APPENDICES

Appendix 3

Construction Completed (January – March 2019)			
Region	Municipality	Project	Estimated Cost (\$ million)
1. Vancouver Island/Coast	Campbell River	John Hart Generating Station Replacement	985
2. Mainland/Southwest	Burnaby	Horne Payne Substation Upgrade Project	73
	Coquitlam	Windsor Gate Residential Development	180
	Mission	Silver Creek Business Park	20
	North Vancouver	Connaught Condominium	20
	Port Moody	The Strand Condominium	20
	Squamish	Seven Peaks Townhomes	20
	Surrey	Prescott Commons	20
		Simon Fraser University - Energy Systems Engineering Building	126
	Surrey And Vancouver Area	Skytrain Expansion - Expo Line	164
6. North Coast	Prince Rupert	Ridley Island Propane Export Terminal	475
8. Northeast	Chetwynd	Wyndwood Pipeline Looping Project	170
	Fort St. John	North Pine Liquids Facility	120
Total			2,393

Appendix 4

Project Value and Project Status for each Industry Sector – (January– March 2019)					
	Proposed	Construction started	Completed	On hold	Total
Oil & Gas	77,765	42,200	765	7,484	128,214
Utilities	12,222	15,863	1,058	7,094	36,237
Manufacturing - Petrochemical	36,000				36,000
Primarily residential - Single use	13,067	22,142	260	144	35,613
Mining	21,063	301		13,967	35,331
Mixed use	5,436	11,063		1,000	17,499
Accommodation	7,878	4,424		1,356	13,658
Roads & Highways	10,917	2,462	164	60	13,603
Recreation	6,391	4,003		1,125	11,519
Other Transportation	4,750	2,963			7,713
Education	4,709	1,394	126		6,229
Health	3,378	2,417			5,795
Retail	650	2,848			3,498
Government buildings	104	1,690			1,794
Other Commercial	862	690			1,552
Office	352	110	20	80	562
Warehousing	100	165			265
Other Manufacturing	15	90			105
Manufacturing - Wood Products	90				90
Other Institutional & Government	20				20
Total	205,769	114,825	2,393	32,310	355,297

APPENDICES

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
1. Vancouver Island/Coast	98	9	4	16	0	13	8	148
2. Mainland/Southwest	356	44	4	34	3	71	13	525
3. Thompson-Okanagan	55	11	3	19	1	12	5	106
4. Kootenay	10	1	7	3	0	2	5	28
5. Cariboo	5	3	6	7	1	2	0	24
6. North Coast	2	11	22	10	5	1	1	52
7. Nechako	1	1	12	4	0	2	0	20
8. Northeast	2	7	15	18	2	3	0	47
Total	529	87	73	111	12	106	32	950

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