



Image courtesy of Pattern Energy

Meikle Wind, British Columbia's largest wind energy project with a capacity of 184.6 MW, was completed in the fourth quarter of 2016. The \$400 million wind energy project is located 33 kilometres northwest of Tumbler Ridge. Meikle Wind has 61 wind turbines with a total capacity to generate clean energy for up to 54,000 homes in the province.

BRITISH COLUMBIA MAJOR PROJECTS INVENTORY

FOURTH QUARTER 2016



**BC JOBS
PLAN**



Ministry of
Jobs, Tourism
and Skills Training

ABOUT THIS REPORT

British Columbia Major Projects Inventory Fourth Quarter 2016

Major Projects Inventory as of December 31, 2016

Publisher: Labour Market and Information Division, Ministry of Jobs, Tourism and Skills Training and
Minister Responsible for Labour

Major projects data collection and highlights by Rene Corcoran, Research Contractor

Report prepared by Labour Market and Information Division staff

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About this Report

The presentation of the B.C. Major Projects Inventory (MPI) report has been redesigned to include broad construction trends and current economic activities since the first quarter of 2016 issue.

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 to form expectations of the construction activities into the next quarter. Note that the economic indicators are based on the most recent data available during the preparation of this report, not based on what would have been available in December 2016.

The detailed project listings are no longer included in this report since they are available in the searchable Excel database which is published on the MPI website (www.majorprojectsinventory.com) together with this report.

Feedback on the report redesign should be addressed to Grace Lee (Grace.Lee@gov.bc.ca), Labour Market Information Office (LMIO).

TABLE OF CONTENTS

Contents

About this Report	1
About the Major Projects Inventory	1
1. B.C. Major Projects Highlights – Q4 2016	4
2. B.C. Major Projects Inventory– Q4 2016	5
3. British Columbia’s Economy	10
4. B.C. Demographics	14
5. Regional Summaries	15
6. Vancouver Island/Coast Region	16
7. Mainland/Southwest Region	21
8. Thompson - Okanagan Region	26
9. Kootenay Region	31
10. Cariboo Region	36
11. North Coast Region	41
12. Nechako Region	46
13. Northeast Region	51
Appendices	56
Appendix 1	56
Appendix 2	57
Appendix 3	58
Appendix 4	59
Appendix 5	59
B.C. Government Contact	60

ABOUT THE MAJOR PROJECTS INVENTORY

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

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

Information collected in the MPI includes:

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

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

Sources of MPI Information

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

Project Location

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

ABOUT THE MAJOR PROJECTS INVENTORY

Estimated Cost

Cost estimates are general estimates from the information sources used and are not necessarily produced in a consistent manner. The estimated costs are revised when new information is available. All estimates are recorded in millions of dollars.

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). Canceled projects are noted in the project description as “canceled” and noted in a new field - Update Activity as “cancelled-removing next issue”. Canceled 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.

Sustainable Building Design

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

First Nations Affiliation

Information related to First Nations’ involvement in projects is based on news releases and published project information that is publicly available. The information is consistent with the information maintained in the First Nations Economic Development Database (FNEDD; www.fnedd.ca).

New data concepts added to this issue are as follows:

Construction Type

Projects are grouped by five industry-standard construction types:

- a.) commercial;
- b.) residential;
- c.) industrial;
- d.) infrastructure; and,
- e.) institutional.

Construction Subtype

Projects are also grouped by construction subtypes. There are 21 construction subtypes within the five industry-standard construction types. The classifications for the construction subtypes are included in section 14 of definitions of key terms. Note that the construction subtype replaces the field of Industry Construction Classification previously used.

ABOUT THE MAJOR PROJECTS INVENTORY

Project Category

Projects Category listed the seven industrial categories:

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

Environmental Assessment Stage

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

Latitude and Longitude

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

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 HIGHLIGHTS – Q4 2016

1. B.C. Major Projects Highlights – Q4 2016

This issue of the B.C. Major Projects Inventory lists 27 new proposed projects over \$15 million (M) for the fourth quarter of 2016, with available capital cost estimates totaling approximately \$845 M in potential new capital investment, if all the projects proceed. In comparison, the total cost for new potential projects in the third quarter of 2016 was \$1.2 billion (B).

The total estimated capital cost of all 922 major projects decreased slightly in the fourth quarter of 2016, totalling \$436.9 B, representing a 3.4 percent decline over the fourth quarter of 2015. Note that the total capital cost is the combined estimated value of projects identified as proposed, construction started, completed, and on hold.

There are 341 projects currently under construction in B.C., representing an estimated capital cost of \$75.1 B, down slightly from the \$76.6 B reported in the third quarter of 2016. Seventeen major projects started construction in the fourth quarter, with an estimated total value of \$1 B. Among the larger projects started are the \$500 M Burrard Place Mixed Use Development in Vancouver, the \$126 M Simon Fraser University - Energy Systems Engineering project in Surrey, and the \$76 M South Fraser Transmission Relocation Project in Richmond.

Nineteen projects completed construction in the fourth quarter, with an estimated capital cost of \$2.9 B compared to \$2.2 B in the third quarter. The largest project is the \$1.4 B Evergreen Line of the Skytrain in Vancouver, followed by the \$750 M Telus Garden Communications Centre in Vancouver.

The available capital cost of the 476 proposed projects is estimated at \$325.3 B, slightly down from \$325.4 B in the previous quarter. Approximately \$33.6 B of projects are judged to be 'on hold' for the time being, consistent with the previous quarter.

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. 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.

Figure 1 B.C. MPI Highlights

922	Number of total major projects
\$436.9 B	Value of all projects
476	Number of total proposed projects
\$325.3 B	Value of proposed projects
341	Number of projects under construction
\$75.1 B	Value of projects under construction
19	Number of projects completed
\$2.9 B	Value of projects completed
27	Number of new proposed projects in Q4 2016
\$845 M	Value of newly proposed projects

B.C. MAJOR PROJECTS INVENTORY – Q4 2016

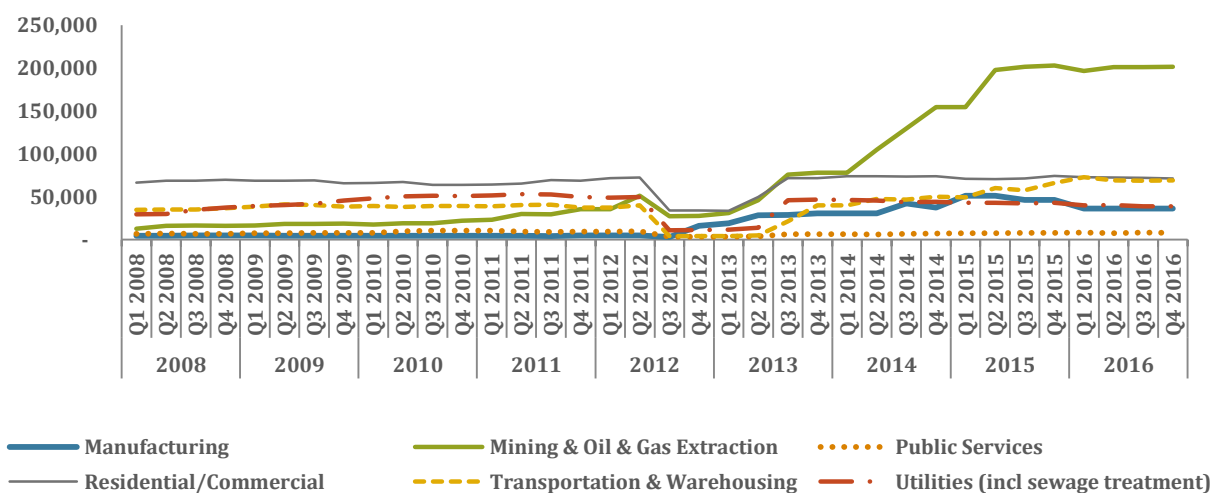
2. B.C. Major Projects Inventory– Q4 2016

By Project Category, Construction Type or Subtype

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

Project Category	Q4 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	Change from the previous quarter	Change from the previous year
Mining, Oil & Gas Extraction	203,236	196,810	201,272	201,342	201,530	0.1%	-0.8%
Residential/Commercial	74,234	72,824	72,683	72,074	71,287	-1.1%	-4.0%
Transportation & Warehousing	66,014	72,767	69,088	68,755	68,974	0.3%	4.5%
Manufacturing	46,521	36,454	36,454	36,425	36,425	0.0%	-21.7%
Utilities	43,014	40,212	40,251	38,946	38,819	-0.3%	-9.8%
Public Services	8,039	8,301	7,753	8,341	8,123	-2.6%	1.0%
Other Services	11,442	11,687	11,752	11,763	11,779	0.1%	2.9%
Grand Total	452,500	439,055	439,253	437,646	436,937	-0.2%	-3.4%

Source: MPI, Q4 2016

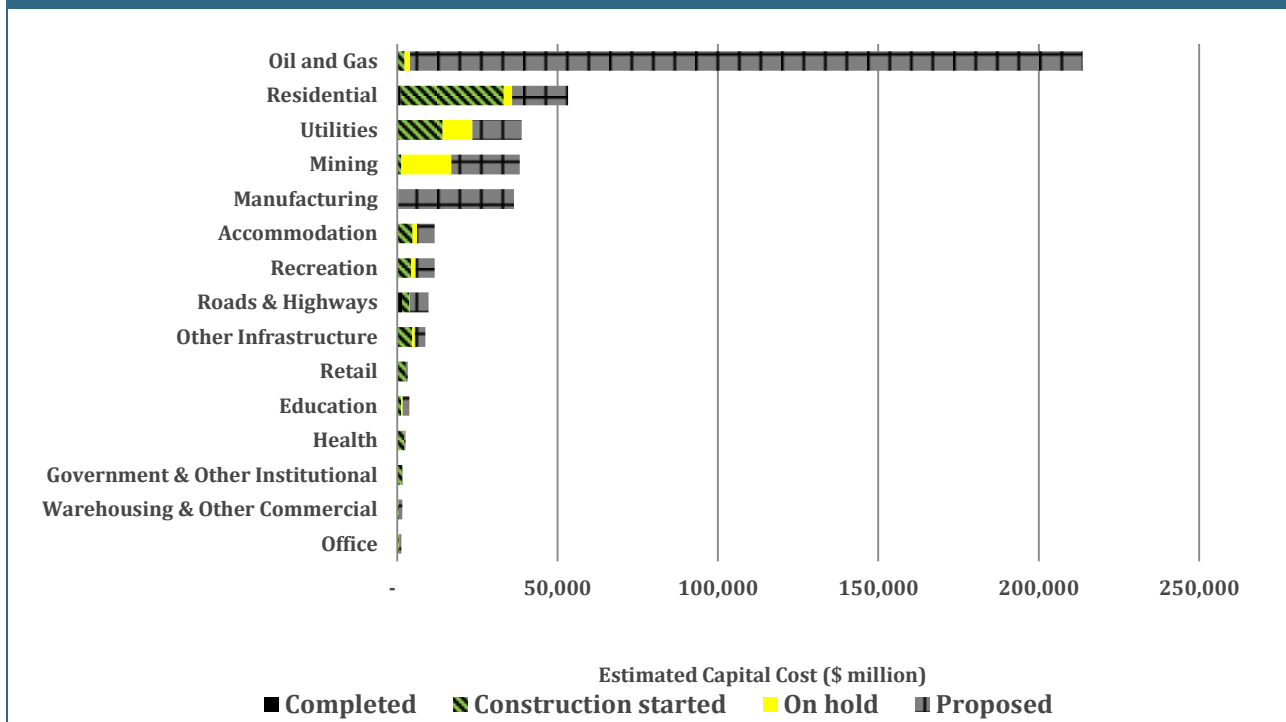


Source: MPI, Q4 2016

- The total estimated capital cost of major projects increased approximately \$128 billion from three years ago. Most of the surge in total cost is led by the increase in proposed projects in the category of Mining & Oil & Gas Extraction.
- In Q4 2016, the largest year-over-year increase occurred in transportation and warehousing (+5%), primarily as a result of newly included proposed projects: Highway 99 – Ten Mile Slide Improvements (\$60 M), Highway 97 Parnip River Bridge Replacement (\$32 M), and Highway 13 8th Ave to Zero Ave widening (\$26 M).

B.C. MAJOR PROJECTS INVENTORY – Q4 2016

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



Source: MPI, Q4 2016

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

- Residential and Commercial development projects comprise 503 of the 922 projects listed in the fourth quarter of 2016, representing a total estimated capital cost of \$83 B in the inventory.
- Residential projects are concentrated in the Mainland/Southwest regions (55%), Vancouver Island (23%), and Thompson-Okanagan (21%).
- There are 60 mining projects listed in MPI with a total estimated value of \$38.2 B.
- North Coast region had the highest share in Mining projects cost (51%), followed by the Nechako region (16%) and the Northeast region (11%).
- Utility projects continue to be a significant driver for the province. The total costs of utilities projects amounts to \$38.8 B while the total cost of projects which are currently underway is \$14 B. The largest project currently under construction is Site C Dam (\$8.3 B) in the Northeast region, followed by John Hart Generating Station Replacement (\$1 B) in the Vancouver Island/Coast region.
- Two utilities construction projects started in Q4 2016, both located in the Mainland/Southwest region: South Fraser Transmission Relocation Project (\$76 M) and Hunter Creek Run-of-River Hydroelectric Power (\$38 M).
- Large proportion Roads & Highways construction completed in the regions of Mainland/Southwest and Thompson-Okanagan.
- Of the \$845 M cost of new projects added in Q4 2016, 43 percent consists of primary residential, 21 percent for Health, 20 percent for Roads & Highways, and the rest are in Education, Accommodation, Office, and Recreation.

B.C. MAJOR PROJECTS INVENTORY – Q4 2016

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

Construction Type & Subtype	Vancouver Island/ Coast	Mainland/ Southwest	Thompson -Okanagan	Kootenay	Cariboo	North Coast	Nechako	Northeast	Total
Residential Subtotal:	11,124	26,946	10,364	80	0	0	100	0	48,614
Primarily residential	8,124	18,056	8,914	80	0	0	100	0	35,274
Mixed use	3,000	8,890	1,450	0	0	0	0	0	13,340
Commercial Subtotal:	2,542	19,416	5,584	4,902	1,386	46	0	540	34,416
Mixed use	362	4,310	0	0	0	0	0	0	4,672
Accommodation	316	4,840	3,299	2,302	940	0	0	0	11,697
Recreation	141	6,668	2,235	2,600	64	16	0	0	11,724
Retail	883	1,966	35	0	0	0	0	500	3,384
Office	300	982	15	0	0	0	0	0	1,297
Warehousing	0	60	0	0	0	0	0	0	60
Other Commercial	540	590	0	0	382	30	0	40	1,582
Industrial Subtotal:	32,403	2,803	1,864	3,226	7,231	212,128	6,296	22,353	288,304
Mining	343	160	1,834	3,016	2,646	19,618	6,296	4,314	38,227
Oil & Gas	32,000	2,593	0	0	4,570	160,450	0	14,039	213,652
Manufacturing - Wood Products	60	0	30	0	0	60	0	0	150
Manufacturing - Petrochemical	0	0	0	0	0	32,000	0	4,000	36,000
Other Manufacturing	0	50	0	210	15	0	0	0	275
Institutional & Government Subtotal:	3,740	3,438	882	20	15	68	0	56	8,219
Education	1,656	1,995	54	20	15	18	0	56	3,814
Health	606	1,273	724	0	0	50	0	0	2,653
Government buildings	1,458	170	69	0	0	0	0	0	1,697
Other Institutional & Government	20	0	35	0	0	0	0	0	55
Infrastructure Subtotal:	10,646	19,334	3,166	887	1,809	6,299	786	14,457	57,384
Utilities	8,653	6,047	1,904	887	1,270	4,917	741	14,400	38,819
Roads & Highways	322	7,639	1,112	0	539	57	45	57	9,771
Other Transportation	1,654	5,648	150	0	0	1,325	0	0	8,777
Other Infrastructure	17	0	0	0	0	0	0	0	17
Grand Total	60,455	71,937	21,860	9,115	10,441	218,541	7,182	37,406	436,937

Source: MPI, Q4 2016

B.C. MAJOR PROJECTS INVENTORY – Q4 2016

By Project Status

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

Status	Q4 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	Change from the previous quarter	Change from the previous year
Proposed	341,636	329,319	326,103	325,366	325,325	0.0%	-4.8%
Construction started	75,422	77,440	77,964	76,609	75,064	-2.0%	-0.5%
Completed	3,975	1,094	948	2,188	2,927	33.8%	-26.4%
On hold	31,467	31,202	34,238	33,483	33,621	0.4%	6.8%
Total	452,500	439,055	439,253	437,646	436,937	-0.2%	-3.4%

Source: MPI, Q4 2016

The value of completed projects rose 34 percent to \$2.9 B in the Q4 2016 from the previous quarter and declined 26 percent over Q4 2015. Notable projects completed were Skytrain – Evergreen Line (\$1.4 B), Telus Garden Communications Centre (\$750 M) and Cambieplace Condominiums (\$200 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	325,325	74%	476	784	4.7
Preliminary/Feasibility	78,463	18%	99	1,121	4.1
Consultation/Approvals	203,014	46%	249	898	5.5
Permitting	8,848	2%	24	421	2.4
Tender/Preconstruction	4,556	1%	50	93	3.2
Stage Unknown	30,444	7%	54	621	4.8
On Hold	33,621	8%	86	410	9.9
Construction Started	75,064	17%	341	225	6.4
Completed	2,927	1%	19	163	5.0
Total	436,937	100%	922	515	5.8

Source: MPI, Q4 2016

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 updated date (December 31, 2016).

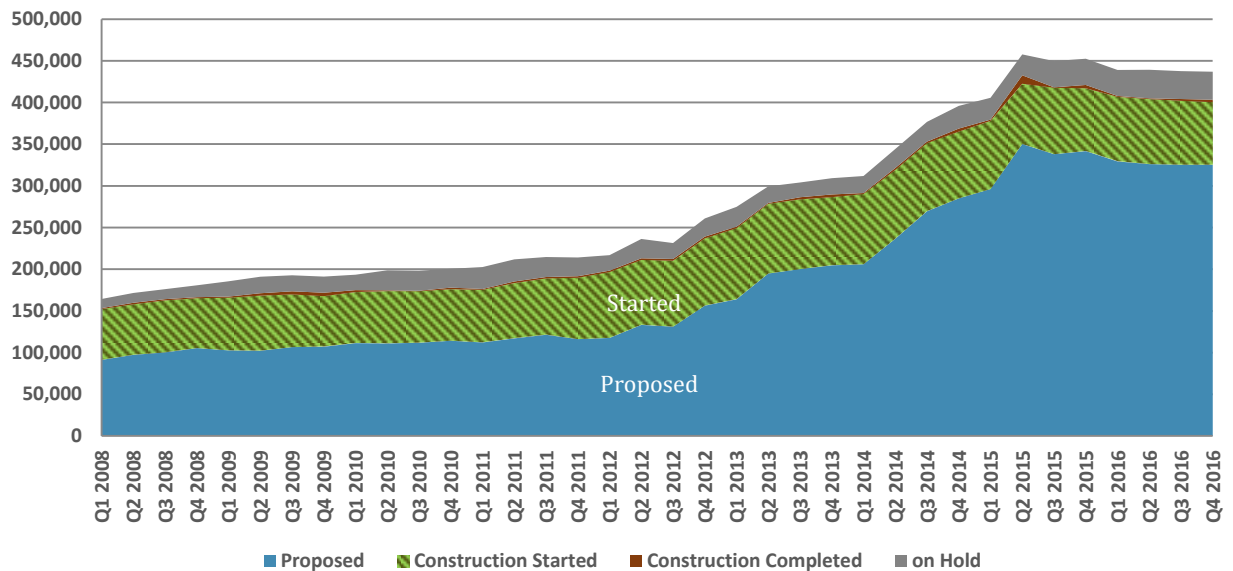
B.C. MAJOR PROJECTS INVENTORY – Q4 2016

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

Development Region	Proposed	Construction started	Completed	On Hold	Total	Total change from the previous quarter	Total change from the previous year
Vancouver Island/Coast	45,895	11,942	47	2,571	60,455	-0.4%	-1.5%
Mainland/Southwest	34,923	31,435	2,638	2,941	71,937	-0.7%	-1.4%
Thompson-Okanagan	4,586	14,161	81	3,032	21,860	-2.4%	-8.0%
Kootenay	2,312	3,643	0	3,160	9,115	0.0%	-1.8%
Cariboo	8,617	481	0	1,343	10,441	0.3%	-7.2%
North Coast	202,800	1,099	70	14,572	218,541	0.0%	-4.3%
Nechako	4,361	486	0	2,335	7,182	2.7%	0.0%
Northeast	21,831	11,817	91	3,667	37,406	0.9%	-2.8%
Total	325,325	75,064	2,927	33,621	436,937	-0.2%	-3.4%

Source: MPI, Q4 2016

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



Source: MPI, Q4 2016

BRITISH COLUMBIA'S ECONOMY

3. British Columbia's Economy

Exhibit 3.1 Economic Activity

	2016f	2017f	2018f	2019f	2020f
Real GDP	+3.0 %	+2.1 %	+2.1 %	+2.0 %	+2.0 %

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

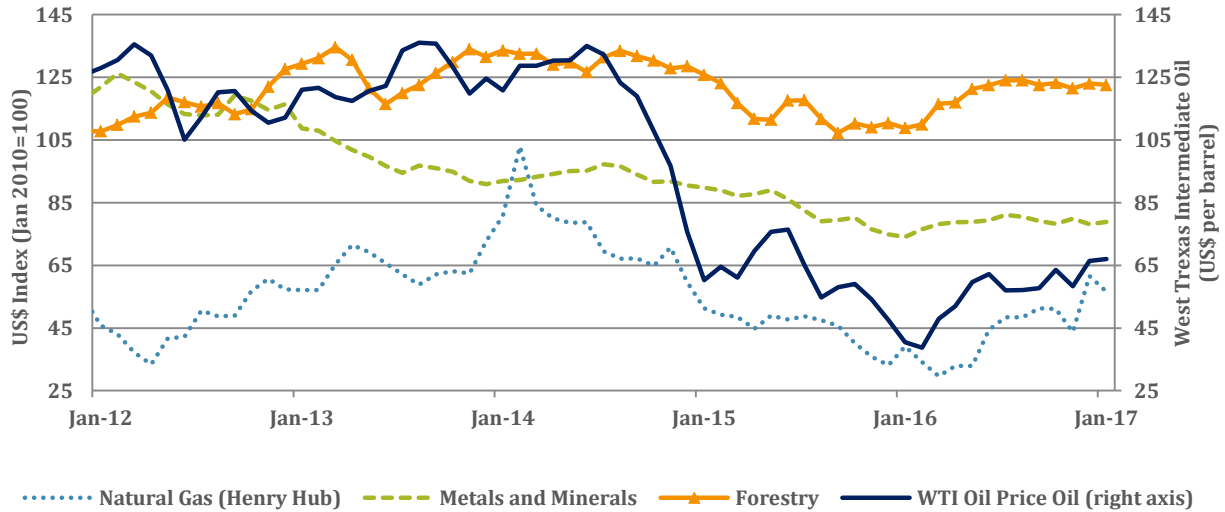
	Most Recent Period	Amount	Change from previous month	Change from previous year	Data Type
Retail trade (\$ M)	Dec-16	6,332	-0.3%	+7.2%	seasonally adjusted
Manufacturing Sales (\$ M)	Dec-16	3,965	-1.5%	+7.6%	seasonally adjusted
Residential - building permits (\$ M)	Dec-16	959	-23.5%	-26.5%	seasonally adjusted
Residential - housing starts (units)	Jan-17	28,738	-30.9%	-17.1%	seasonally adjusted at annual rates
Non-Residential building permits (\$ M)	Dec-16	233	-8.3%	-27.0%	seasonally adjusted
Exports - all merchandise (\$ M)	Dec-16	3,927	+4.4%	+33.9%	seasonally adjusted
Prices					
B.C. Consumer price index (2002=100)	Jan-17	123.5	+0.7%	+2.3%	
Exchange rate	Jan-17	US \$0.76	+0.8%	+7.8%	
Conventional mortgage - 5 year	Jan-17	4.64%	0 p.p.	0 p.p.	
Labour Market					
Employment	Jan-17	2,419,400	+0.5%	+3.5%	seasonally adjusted
Unemployment rate	Jan-17	5.6%	-0.2 p.p.	-1.0 p.p.	seasonally adjusted
Participation rate	Jan-17	64.8%	+0.1 p.p.	+0.7 p.p.	seasonally adjusted
Labour income (\$ M)	Dec-16	11,048	+1.1 %	+5.8%	seasonally adjusted
Average weekly earnings	Dec-16	933.75	+0.6%	+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.

BRITISH COLUMBIA'S ECONOMY

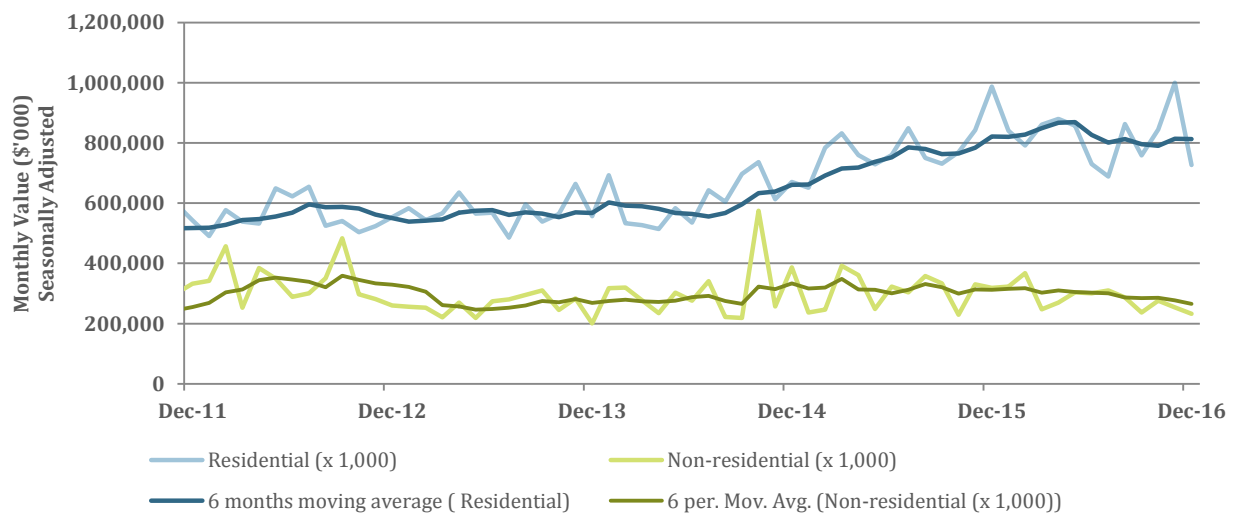
Exhibit 3.2 Key Commodity Prices



Source: Natural Gas (Henry Hub) from U.S. Energy Information Administration, others from Bank of Canada

While commodity prices are up strongly from the lows from a year ago, much of the growth happened during the first half of 2016. Since then, natural gas and oil prices increased modestly while forestry and metals and minerals prices have been flat. Forestry index remain at high levels but slipped 0.4 percent in January on a monthly basis. The Henry Hub Natural Gas price recovered in December from the low in fall 2016 but saw a 8.1 percent pullback in January 2017. Metals and minerals price index increased 0.8 percent in January.

Exhibit 3.3 Value of Building Permits

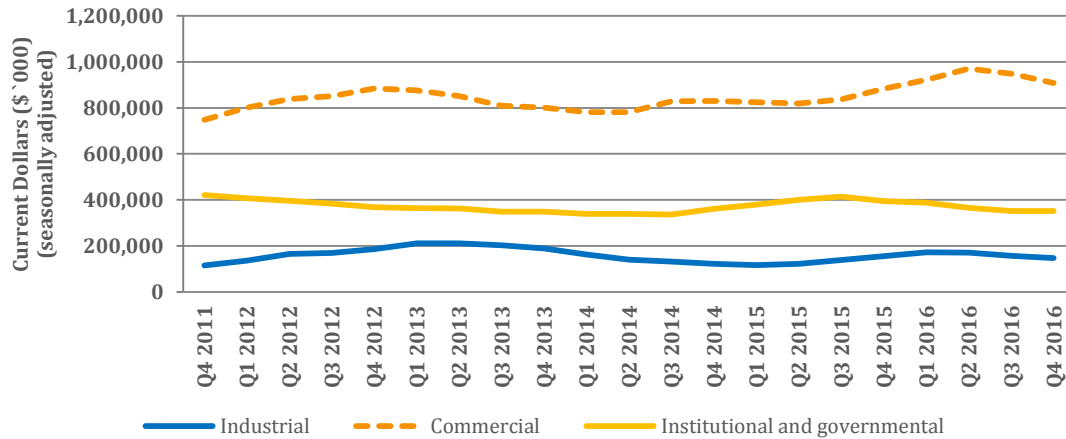


Source: Statistics Canada

Residential building permit values continue to be at historically high levels. Non-residential construction has been declining.

BRITISH COLUMBIA'S ECONOMY

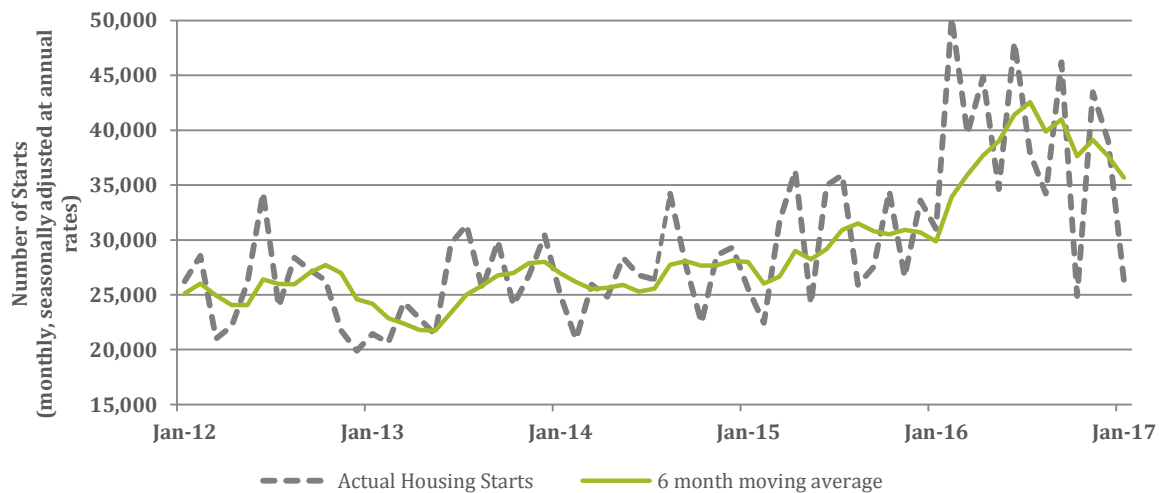
Exhibit 3.4 Investment in Non-Residential Building Construction



Source: BC Stats

Investment in non-residential buildings totalled at \$1.41 B – a 3.5% decline during the fourth quarter of 2016 and 1.9% lower than the fourth quarter of 2015.

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.

The six month moving average of the province's housing starts fell to 35,683 units in January 2017, a 5.1 percent decrease over the previous month and a 19.5 percent increase over the previous year. This overall level still represents strong residential construction activity relative to the past.

BRITISH COLUMBIA'S ECONOMY

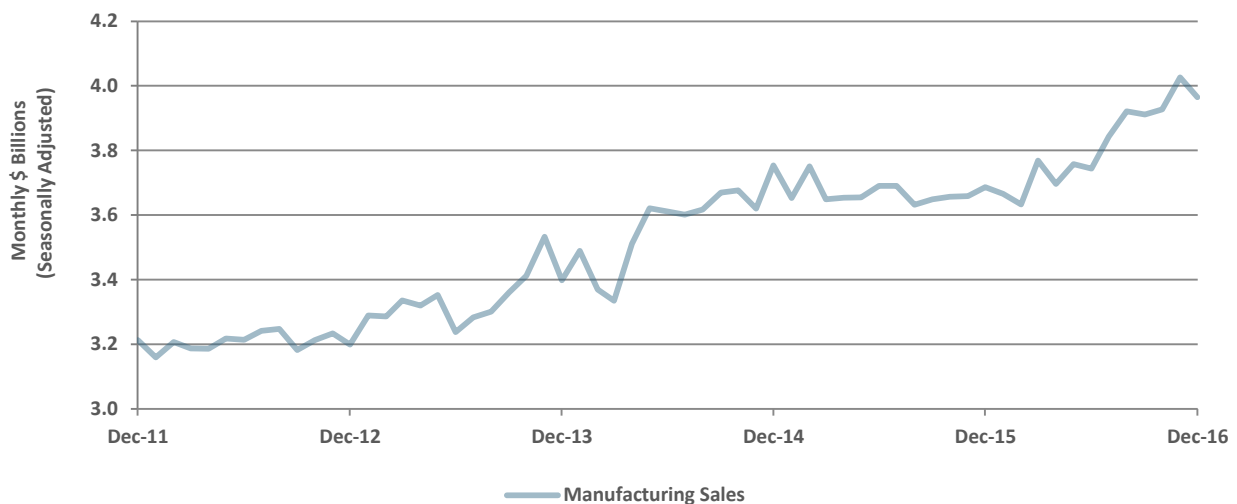
Exhibit 3.6 B.C. Construction Industry Employment



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

Labour force and employment grew 5.0% and 6.1% respectively in January 2017 compared to the previous year. Unemployment rate fell 1.0 percentage point in the same time frame, down to 5.5 percent for the Construction industry.

Exhibit 3.7 Manufacturing Sales



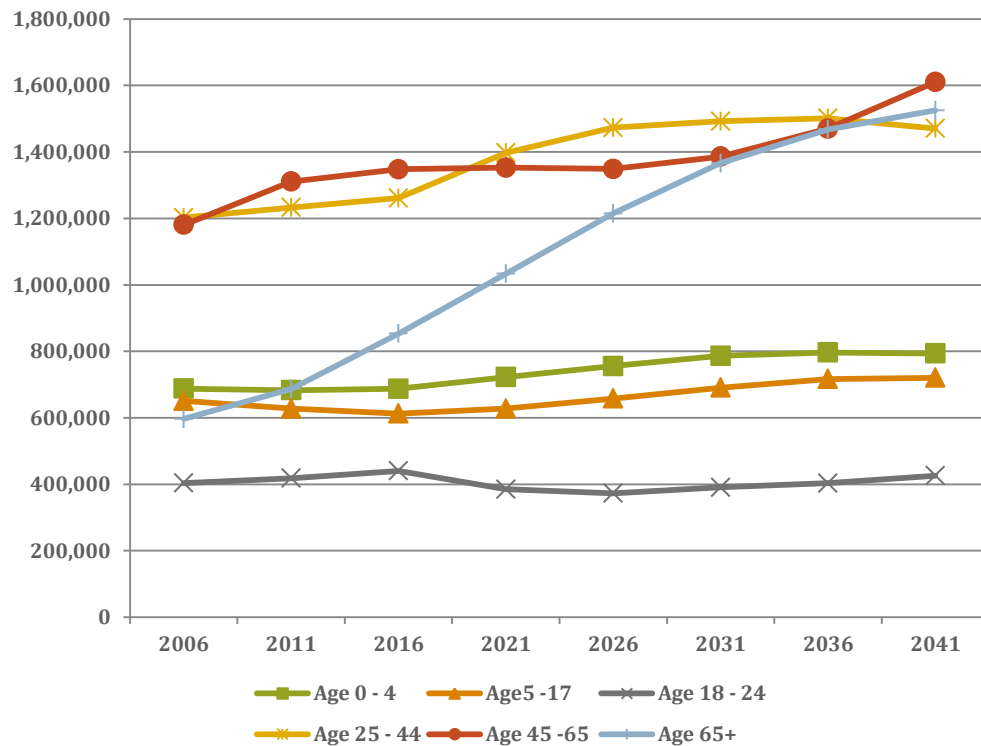
Source: Statistic Canada

In December, manufacturing sales were 7.6% higher than a year-ago.

B.C. DEMOGRAPHICS

4. B.C. Demographics

Exhibit 4.1 Population by Age Group



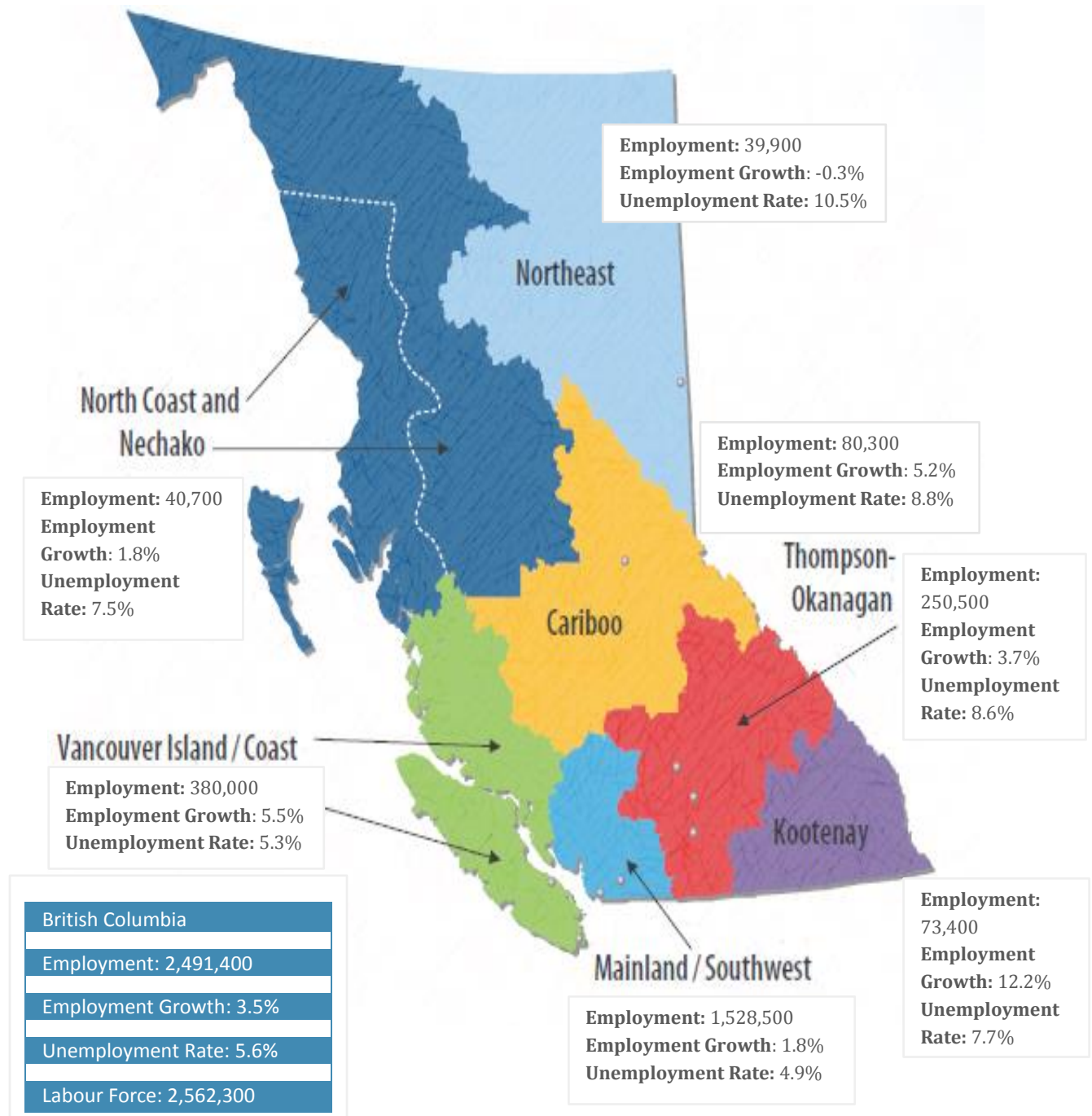
Source: BC Stats

B.C.'s population is estimated at 4.7 million as of July 2016. It is expected to grow at a compound annual average rate of 1.5 percent between 2016 and 2021.

REGIONAL SUMMARIES

5. Regional Summaries

Regional Labour Market Statistics – January 2016



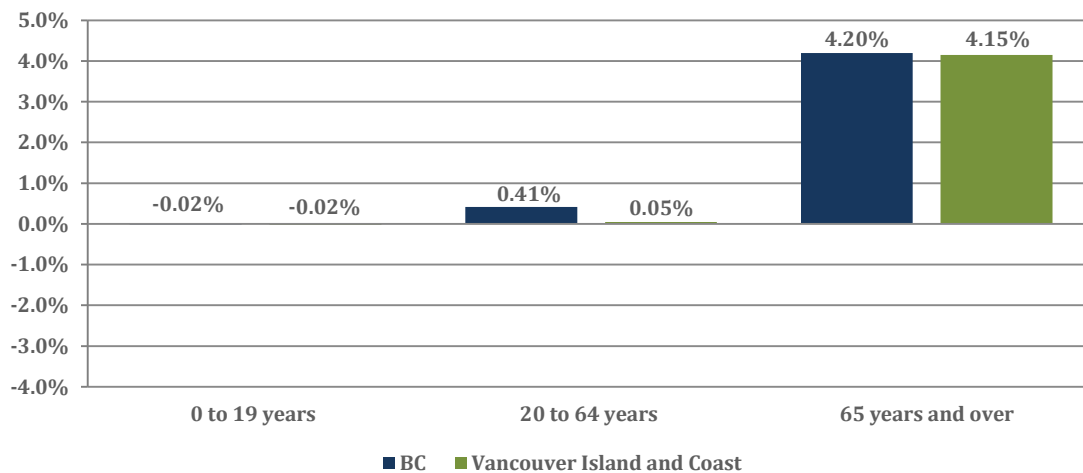
Note: Employment growth is over the previous 12 months. Data for B.C. at the provincial level are seasonally adjusted. Data for the regions are not seasonally adjusted and are 3-month moving averages. This means that the data at the provincial level are not directly comparable to the regional data, but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

VANCOUVER ISLAND/COAST REGION

6. Vancouver Island/Coast Region

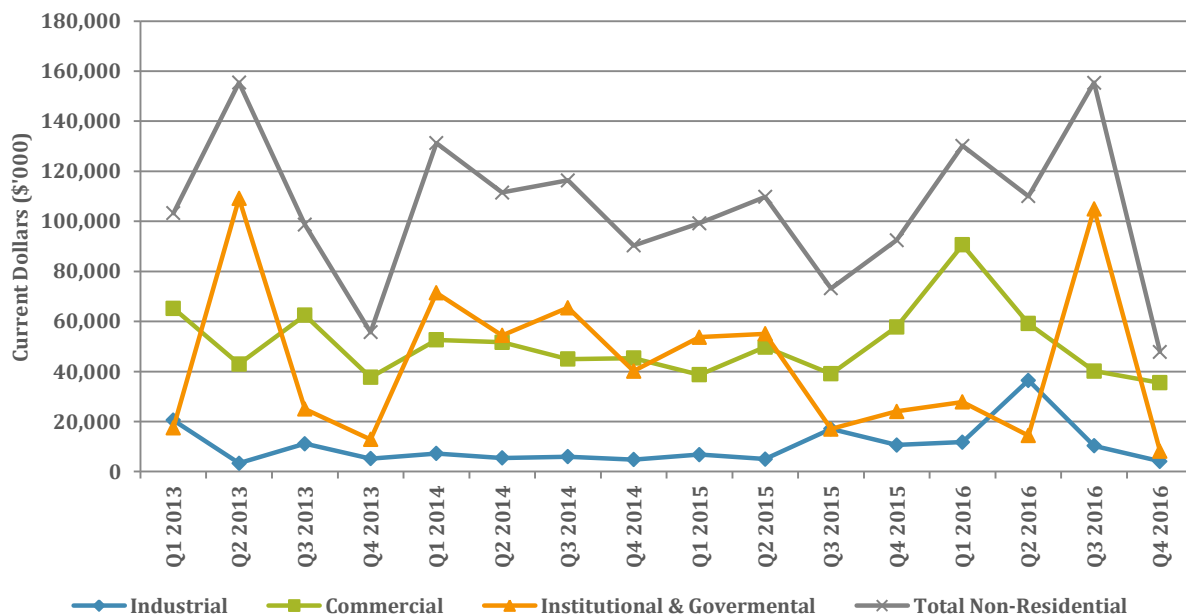
Key Economic Indicators

Exhibit 6.1 Population Growth 2014 - 2015



Source: BC Stats

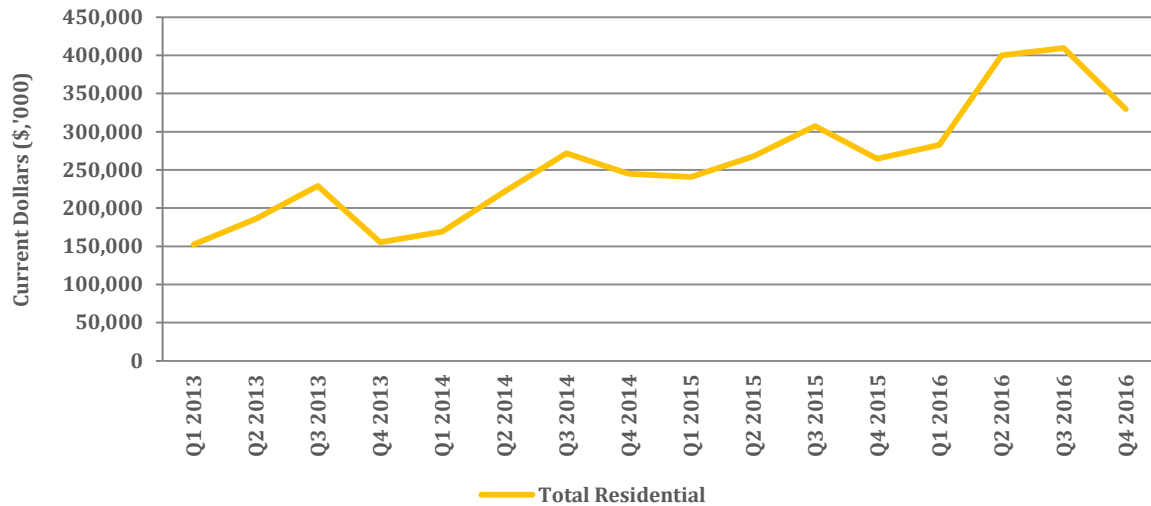
Exhibit 6.2 Value of Non-Residential Building Permits



Source: BC Stats

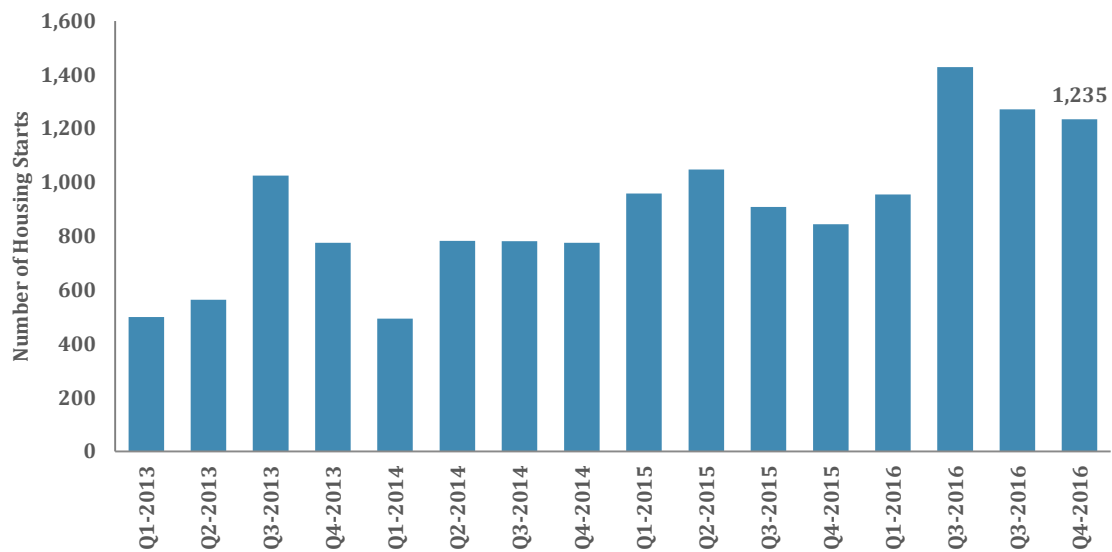
VANCOUVER ISLAND/COAST REGION

Exhibit 6.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 6.4 Housing Starts

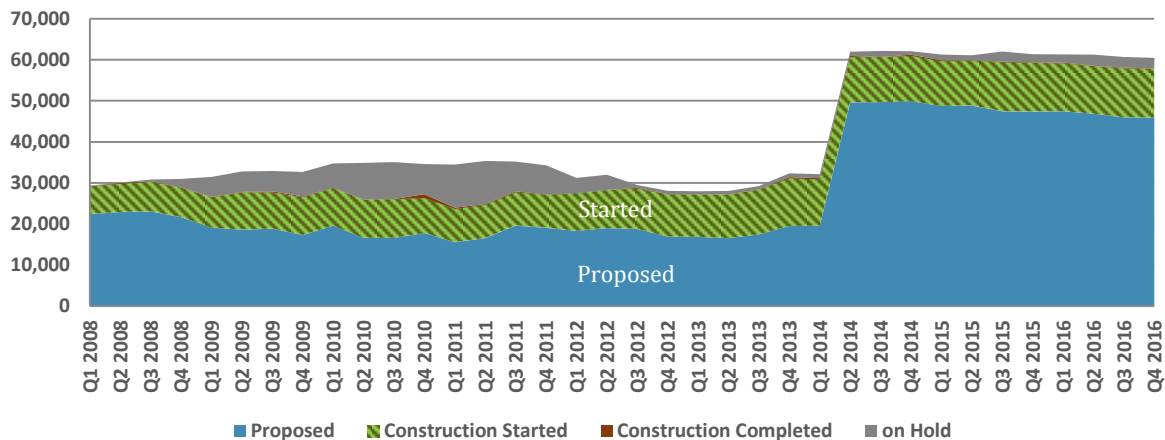


Source: CMHC

VANCOUVER ISLAND/COAST REGION

Trends in Major Projects

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



Source: MPI, Q4 2016

- In Q4 2016, the Vancouver Island/Coast region has a total of 145 major projects with a combined value of \$60.5 B, representing a 0.4 percent drop over the previous quarter and a 1.5 percent drop compared to one year earlier.
- There are 5 newly proposed projects added to the MPI this quarter. These are Yates on Yates Condominium (\$30 M), Vancouver Island University – Trades Complex (\$20 M), Front Street Hotel (\$20 M), Cowichan Operations & Maintenance Compressed Natural Gas (O&M CNG) facility (\$15 M), and Campbell River O&M CNG Facility (\$15 M).
- Two major projects completed in this quarter: Horsey GIS Replacement Program (\$32 M) and Janion Hotel Redevelopment (\$15 M).
- Four major projects began construction in this quarter with total capital costs of \$107 M. Senior Care Complex in Saanich (\$21 M) is expected to be completed in 2017, followed by Pacific Landing at Havenwood in 2018, Georges P. Vanier Secondary School in August 2019, and the Condominium Development – 989 Johnson Street in Victoria in Spring 2019.

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

Status	Q4 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	Change from the previous quarter	Change from the previous year
Proposed	47,353	47,453	46,851	45,970	45,895	-0.2%	-3.1%
Construction started	11,854	11,628	11,605	11,878	11,942	0.5%	0.7%
Completed	125	228	61	218	47	-78.4%	-62.4%
On hold	2,031	1,996	2,746	2,621	2,571	-1.9%	26.6%
Total	61,363	61,305	61,263	60,687	60,455	-0.4%	-1.5%

Source: MPI, Q4 2016

VANCOUVER ISLAND/COAST REGION

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

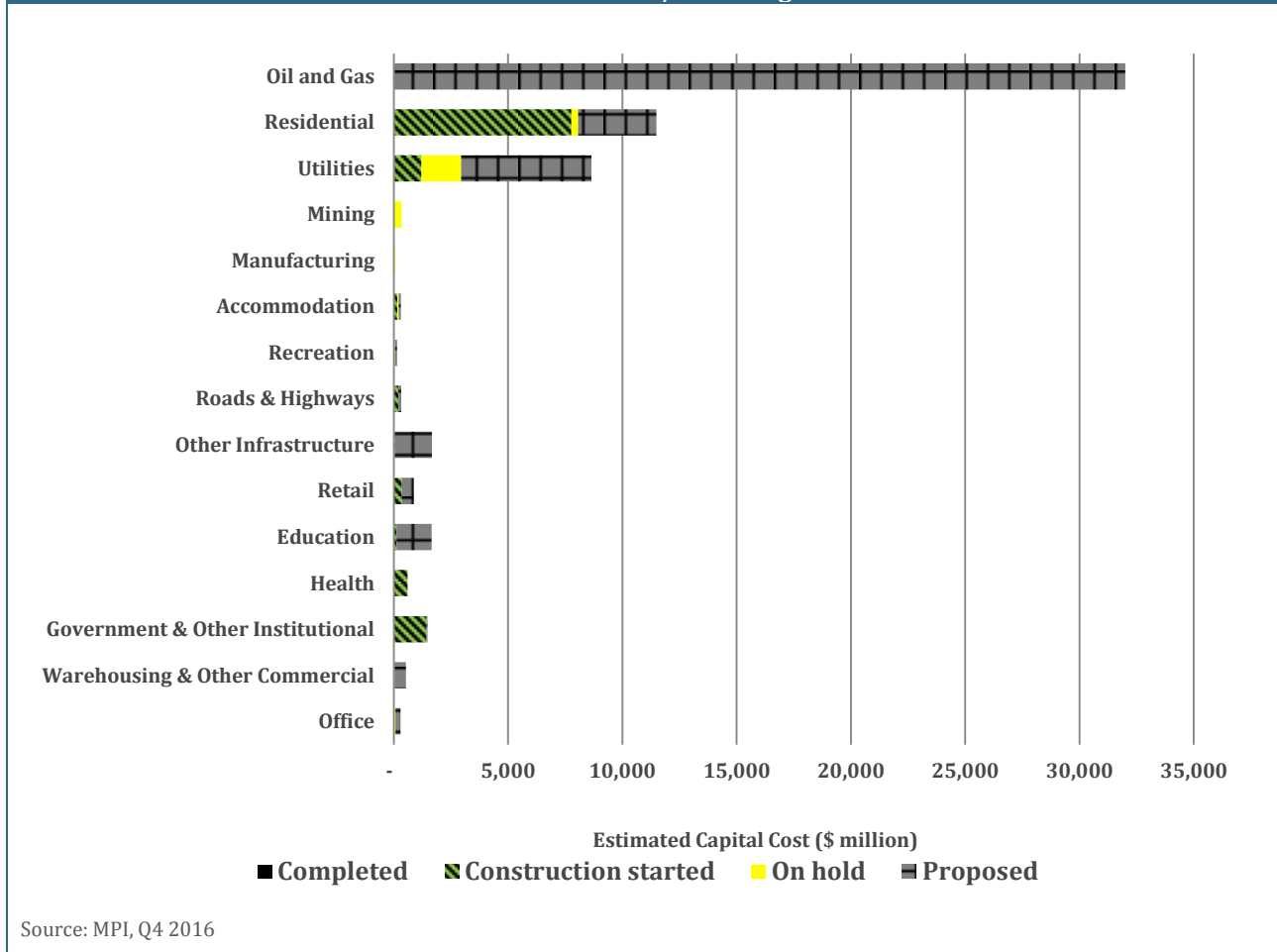
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	45,895	76%	74	706	5.7
Preliminary/Feasibility	31,970	70%	17	2,664	4.4
Consultation/Approvals	12,175	27%	37	358	7.1
Permitting	153	0%	3	51	0.8
Tender/Preconstruction	1,327	3%	11	121	3.6
Stage Unknown	270	1%	6	54	7.0
On Hold	2,571	4%	15	171	10.7
Construction Started	11,942	20%	54	225	7.3
Completed	47	0%	2	24	3.7
Total	60,455	100%	145	448	6.8

Source: MPI, Q4 2016

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 updated date (December 31, 2016).

VANCOUVER ISLAND/COAST REGION

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

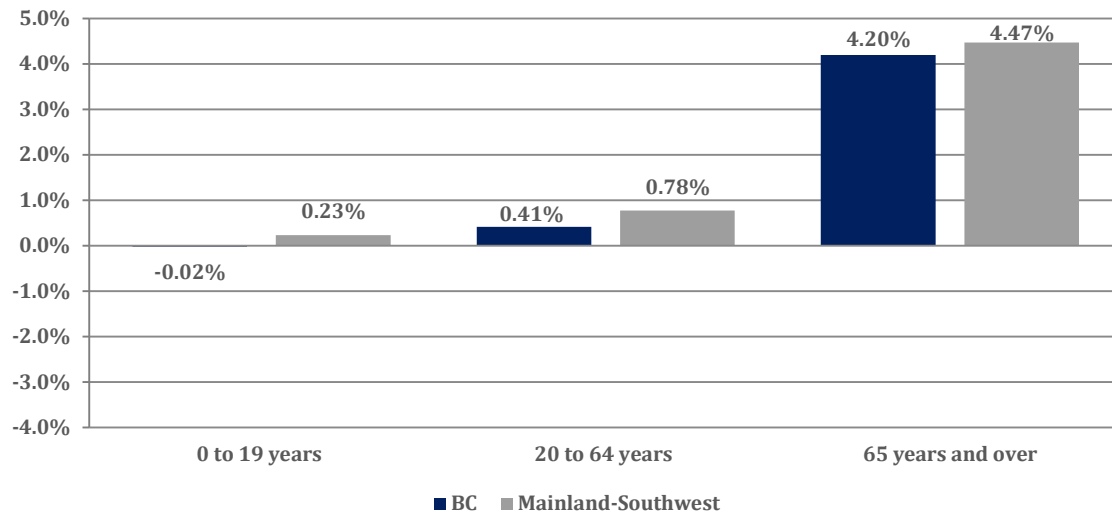


MAINLAND/SOUTHWEST REGION

7. Mainland/Southwest Region

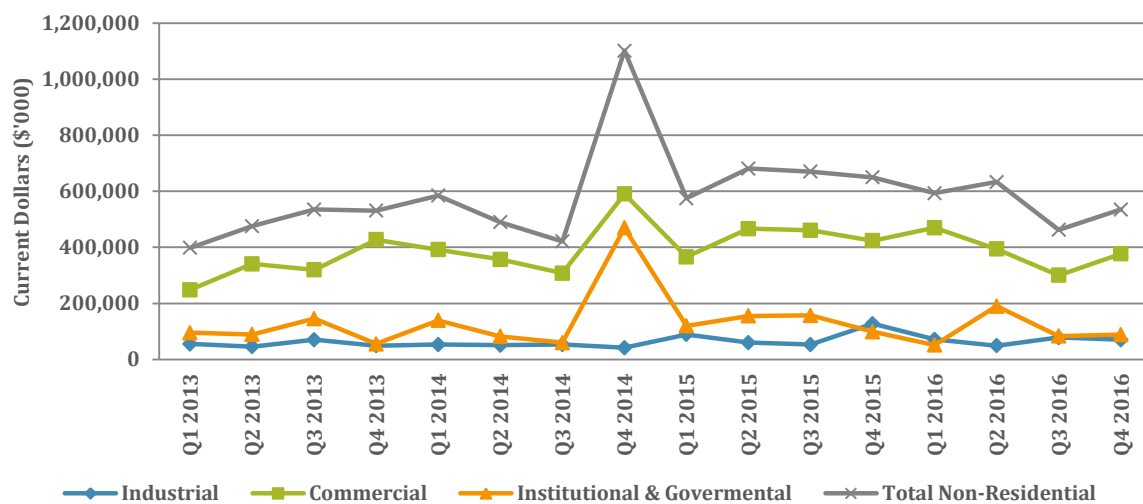
Key Economic Indicators

Exhibit 7.1 Population Growth 2014 - 2015



Source: BC Stats

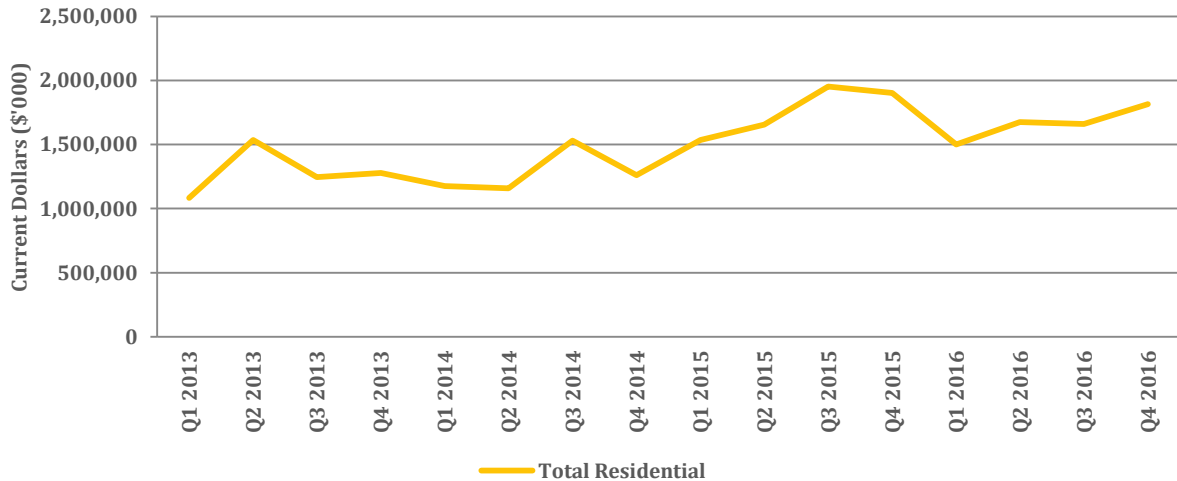
Exhibit 7.2 Value of Non-Residential Building Permits



Source: BC Stats

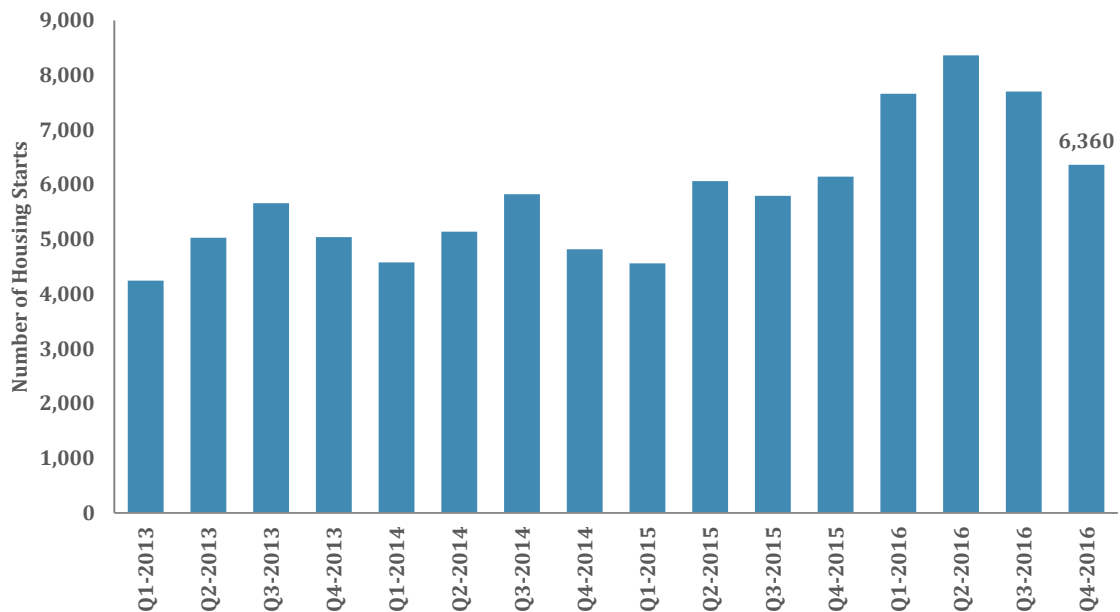
MAINLAND/SOUTHWEST REGION

Exhibit 7.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 7.4 Housing Starts



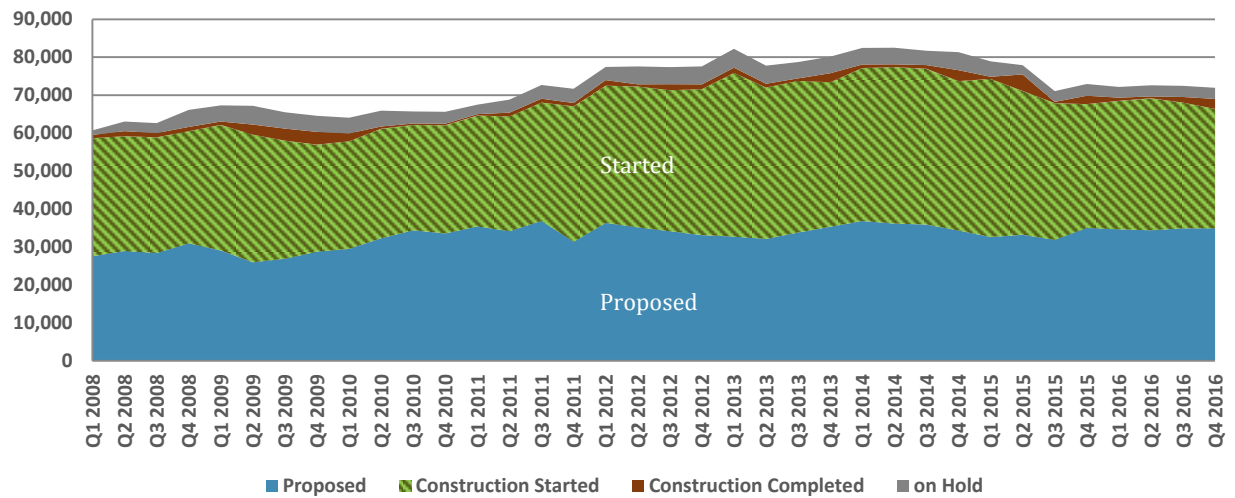
Source: CMHC

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



Source: MPI, Q4 2016

- In Q4 2016, the Mainland/Southwest region has a total of 469 major projects with a combined value of \$71.9 B, representing a 0.7 percent drop over the previous quarter and a 1.4 percent drop compared to one year earlier.
- There are eighteen newly proposed projects added to the MPI this quarter. The top three largest projects are Opal Retirement Community (\$106 M), Centre for Mental Health and Addiction (\$100 M), and Maples Adolescent Centre and the Provincial Assessment Centre (\$77 M). See more new projects in Appendix 1.
- 10 major projects were completed in this quarter such as Skytrain – Evergreen Line (\$1.4 B), Telus Garden Communications Centre (\$750 M), Cambieplace Condominium (\$200 M), and The Wave highrise Condominium (\$120 M). See more completed projects in Appendix 3.
- 9 major projects began construction in this quarter with total capital costs of \$877 M. Burrard Place is expected to be completed in 2019, followed by Simon Fraser University – Energy Systems Engineering Building in 2019, South Fraser Transmission Relocation Project in Spring 2019, and Hunter Creek Run-of-River Hydroelectric Power in late 2017. See more in Appendix 2.

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

Status	Q4 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	Change from the previous quarter	Change from the previous year
Proposed	35,007	34,639	34,376	34,882	34,923	0.1%	-0.2%
Construction started	32,618	33,849	34,785	33,144	31,435	-5.2%	-3.6%
Completed	2,209	846	497	1,482	2,638	78.0%	19.4%
On hold	3,095	2,823	2,931	2,941	2,941	0.0%	-5.0%
Total	72,929	72,157	72,589	72,449	71,937	-0.7%	-1.4%

Source: MPI, Q4 2016

MAINLAND/SOUTHWEST REGION

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

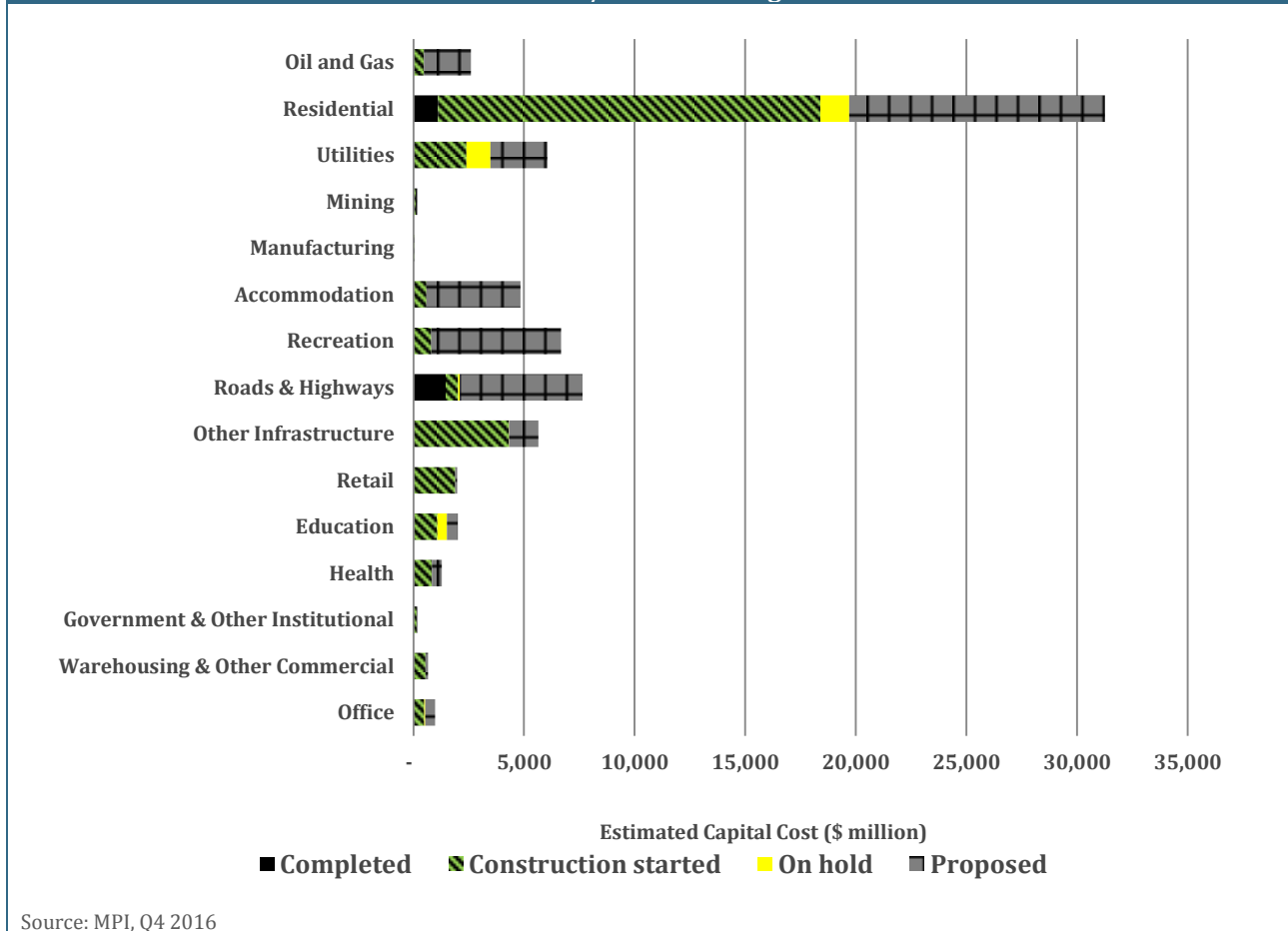
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	34,923	49%	249	161	3.8
Preliminary/Feasibility	9,345	27%	49	267	3.9
Consultation/Approvals	19,367	55%	119	181	4.1
Permitting	1,975	6%	17	141	2.4
Tender/Preconstruction	1,717	5%	32	55	2.6
Stage Unknown	2,519	7%	32	84	4.3
On Hold	2,941	4%	20	155	8.9
Construction Started	31,435	44%	190	169	5.5
Completed	2,638	4%	10	293	4.8
Total	71,937	100%	469	167	4.7

Source: MPI, Q4 2016

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 updated date (December 31, 2016).

MAINLAND/SOUTHWEST REGION

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

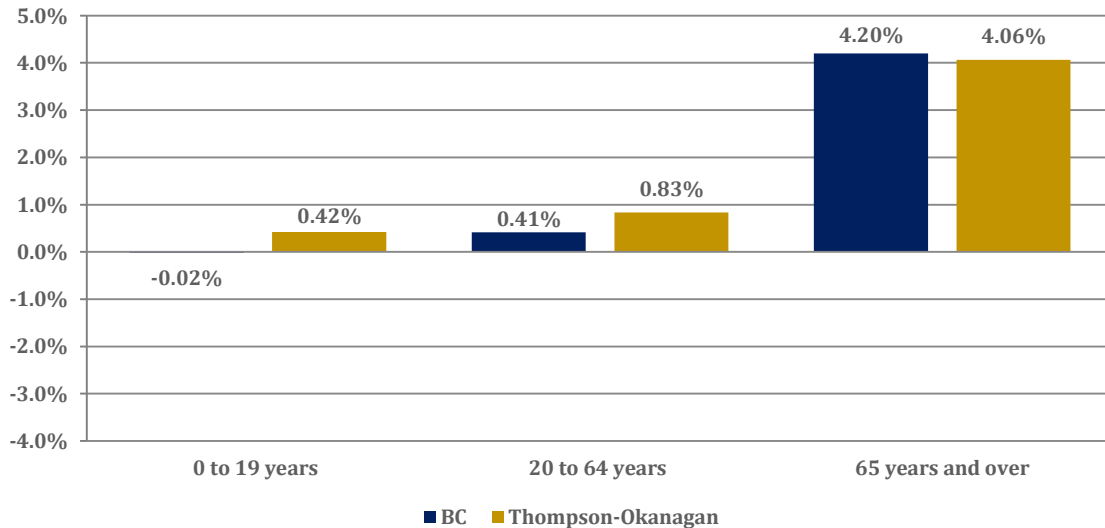


THOMPSON - OKANAGAN REGION

8. Thompson - Okanagan Region

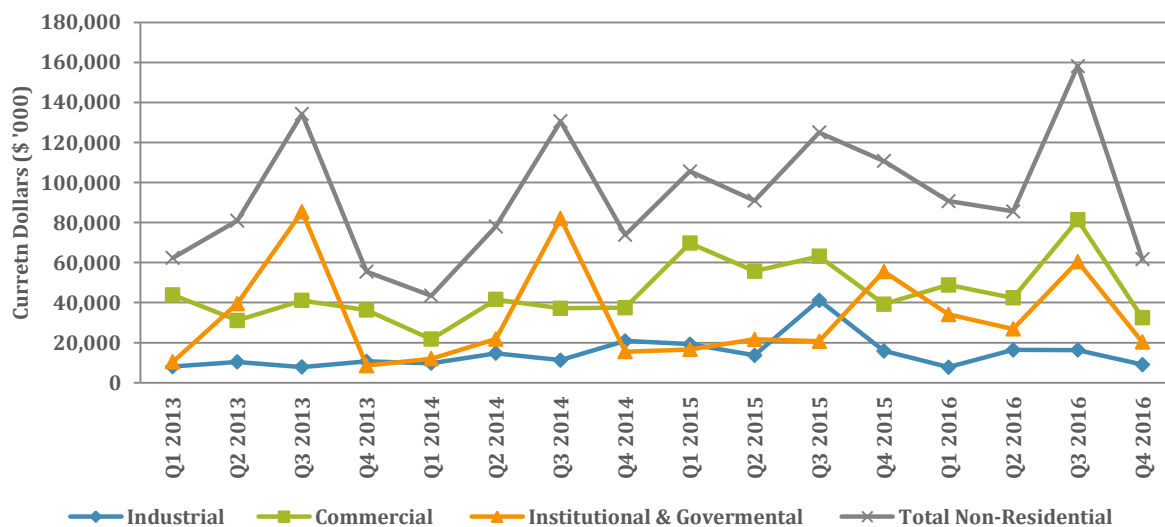
Key Economic Indicators

Exhibit 8.1 Population Growth 2014 - 2015



Source: BC Stats

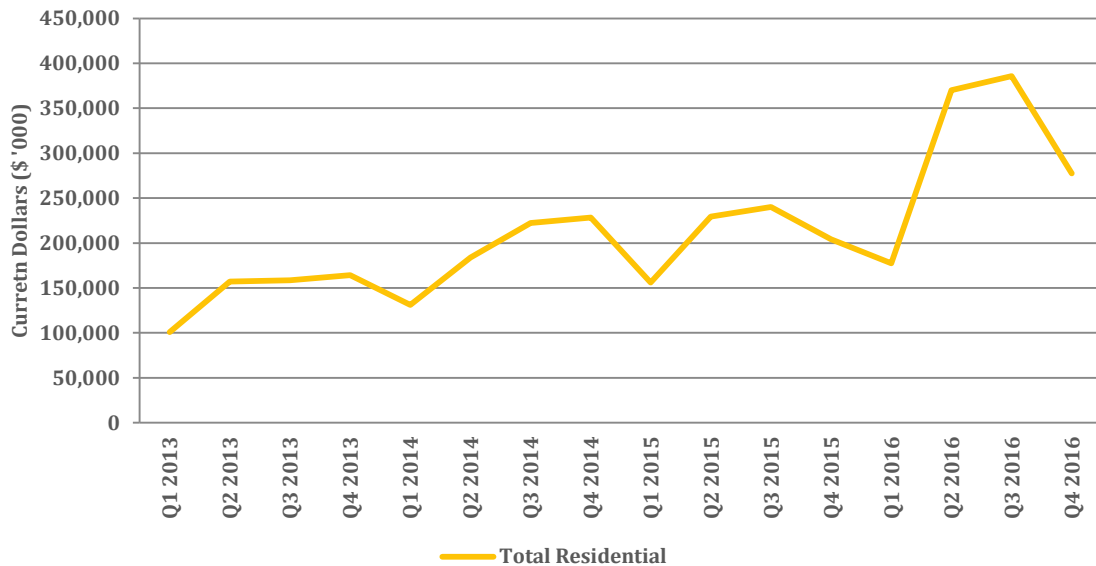
Exhibit 8.2 Value of Non-Residential Building Permits



Source: BC Stats

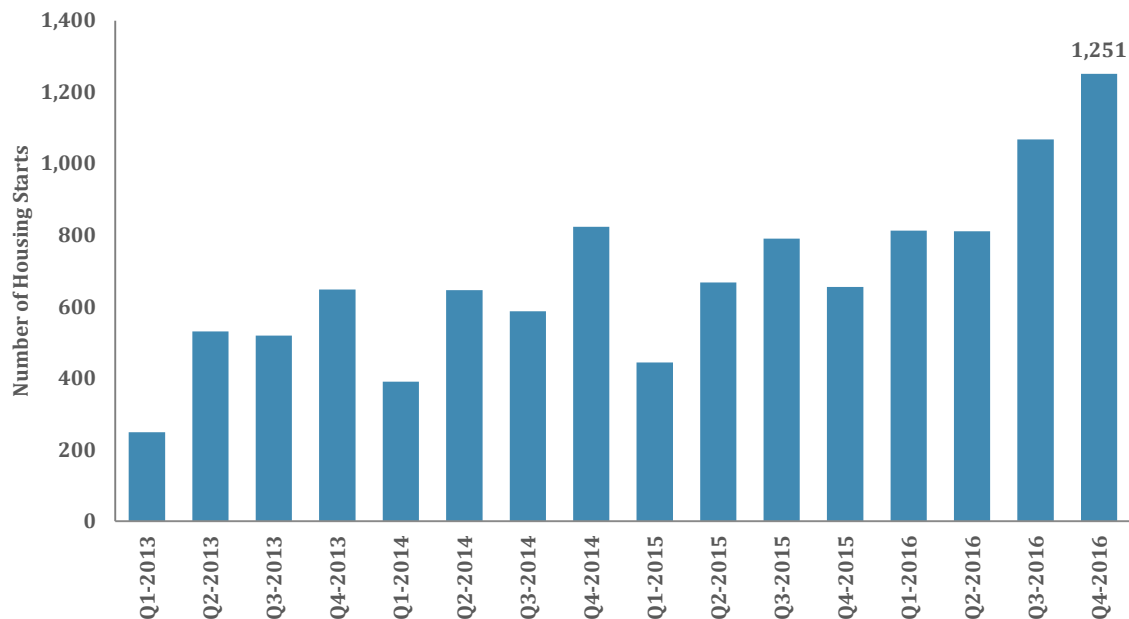
THOMPSON - OKANAGAN REGION

Exhibit 8.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 8.4 Housing Starts



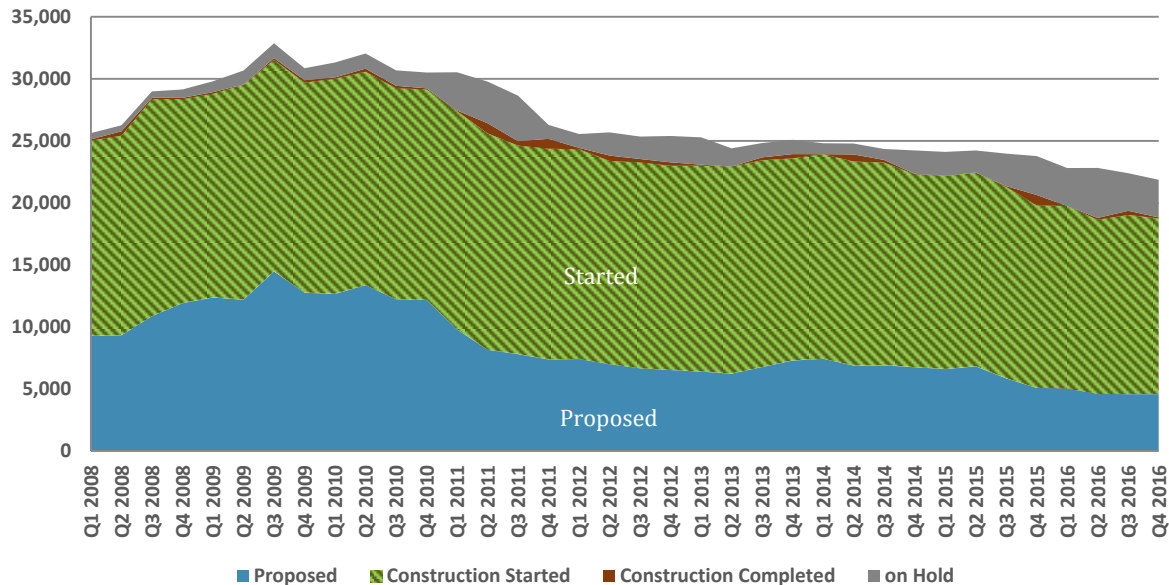
Source: CMHC

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



Source: MPI, Q4 2016

- In Q4 2016, the Thompson-Okanagan region has a total of 103 major projects with a combined value of \$21.9 B, representing a 2.4 percent drop over the previous quarter and an 8.0 percent drop compared to one year earlier.
- Two major projects completed in this quarter: Trans Canada Hwy Improvements – Pritchard to Hoffman's Bluff (\$62 M) and Highway 3 Sunday Creek-Sunday Summit Realignment (\$19 M).

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

Status	Q4 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	Change from the previous quarter	Change from the previous year
Proposed	5,086	5,026	4,631	4,586	4,586	0.0%	-9.8%
Construction started	14,711	14,718	14,006	14,436	14,161	-1.9%	-3.7%
Completed	839	0	144	337	81	-76.0%	-90.3%
On hold	3,133	3,062	4,032	3,032	3,032	0.0%	-3.2%
Total	23,769	22,806	22,813	22,391	21,860	-2.4%	-8.0%

Source: MPI, Q4 2016

THOMPSON - OKANAGAN REGION

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

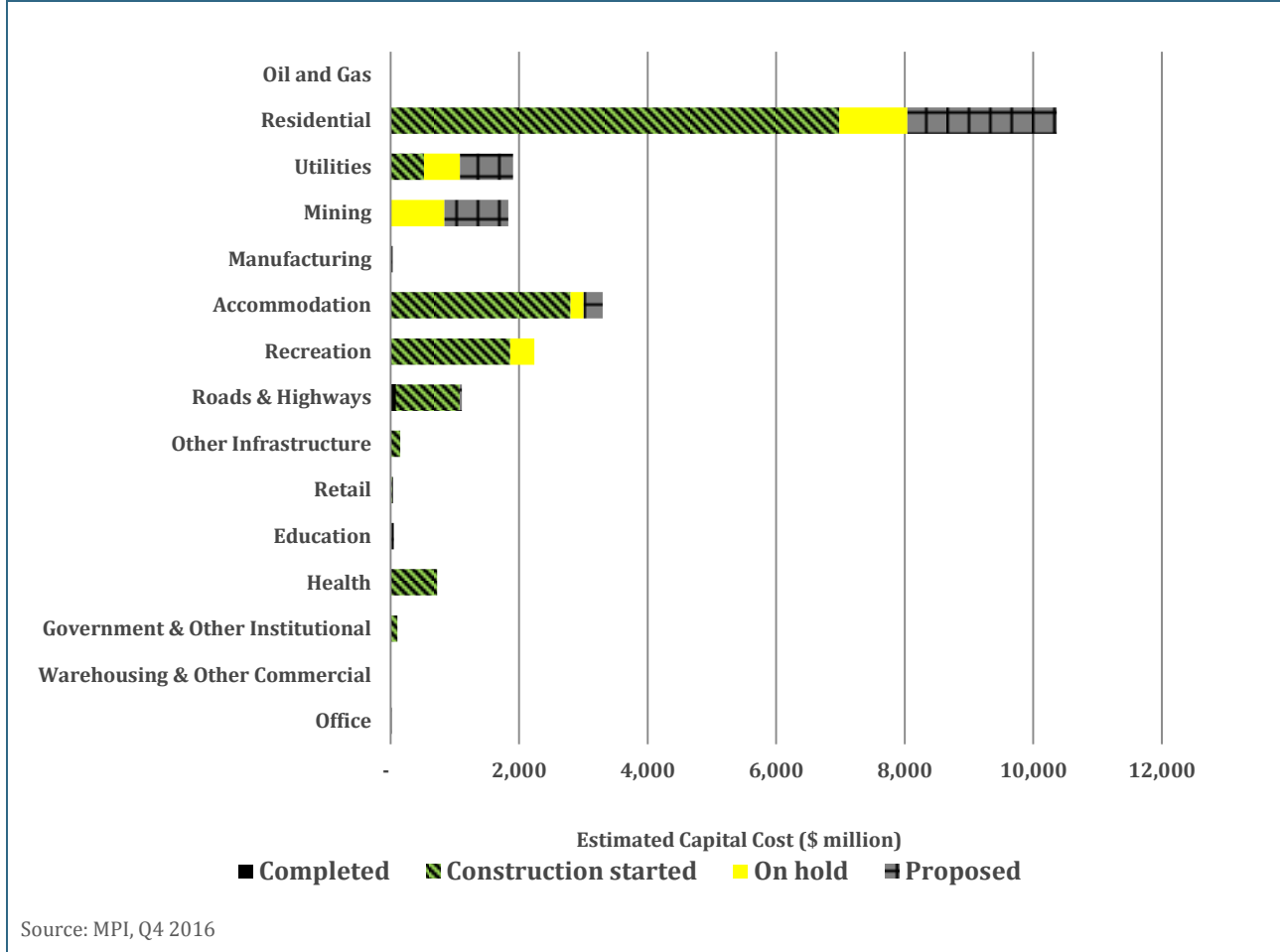
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	4,586	21%	37	139	6.3
Preliminary/Feasibility	266	6%	9	44	4.7
Consultation/Approvals	3,835	84%	20	192	7.0
Permitting	220	5%	2	110	3.7
Tender/Preconstruction	120	3%	3	40	7.7
Stage Unknown	145	3%	3	73	6.5
On Hold	3,032	14%	12	253	11.2
Construction Started	14,161	65%	52	278	8.6
Completed	81	0%	2	41	4.7
Total	21,860	100%	103	223	8.0

Source: MPI, Q4 2016

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 updated date (December 31, 2016).

THOMPSON - OKANAGAN REGION

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

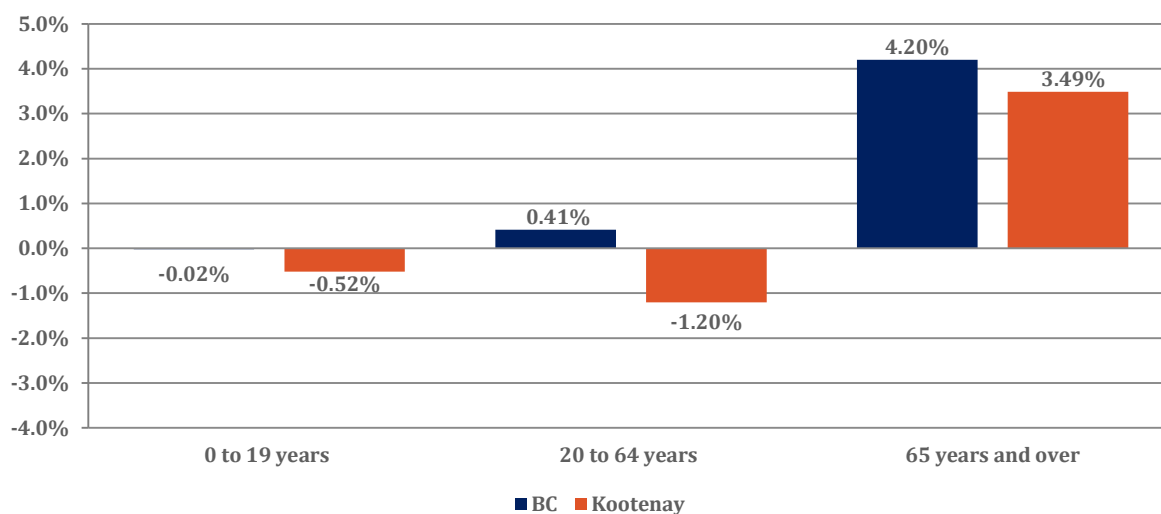


KOOTENAY REGION

9. Kootenay Region

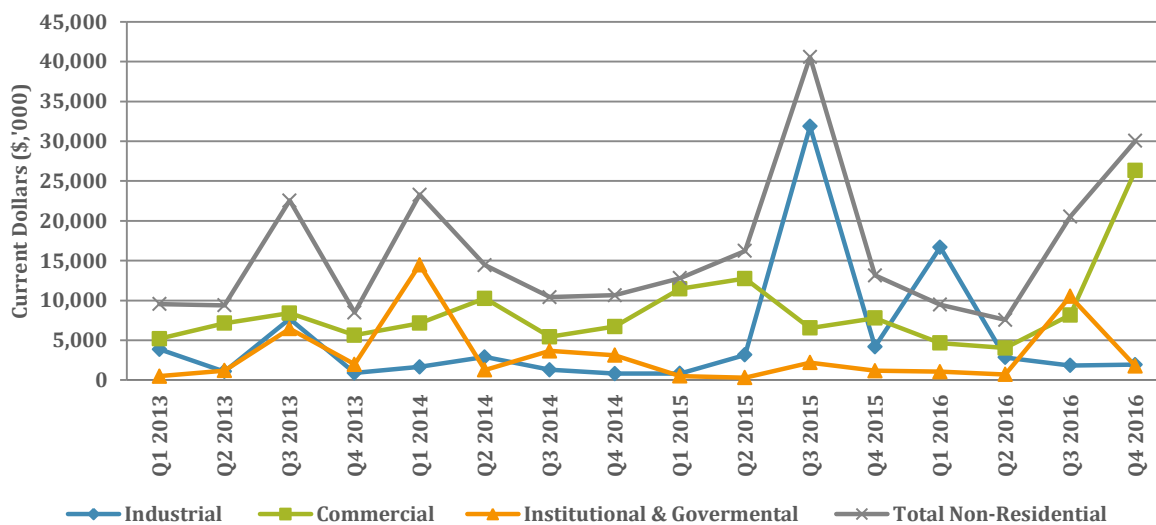
Key Economic Indicators

Exhibit 9.1 Population Growth 2014 - 2015



Source: BC Stats

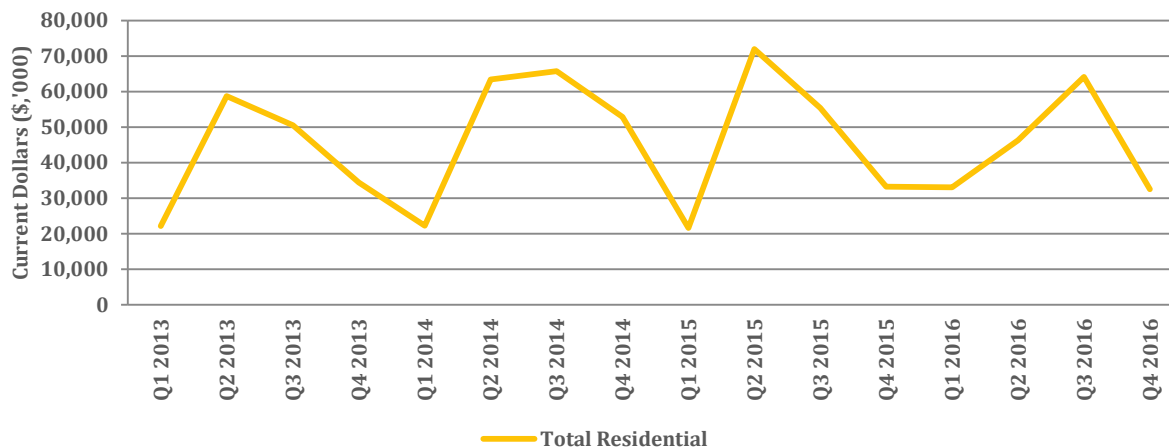
Exhibit 9.2 Value of Non-Residential Building Permits



Source: BC Stats

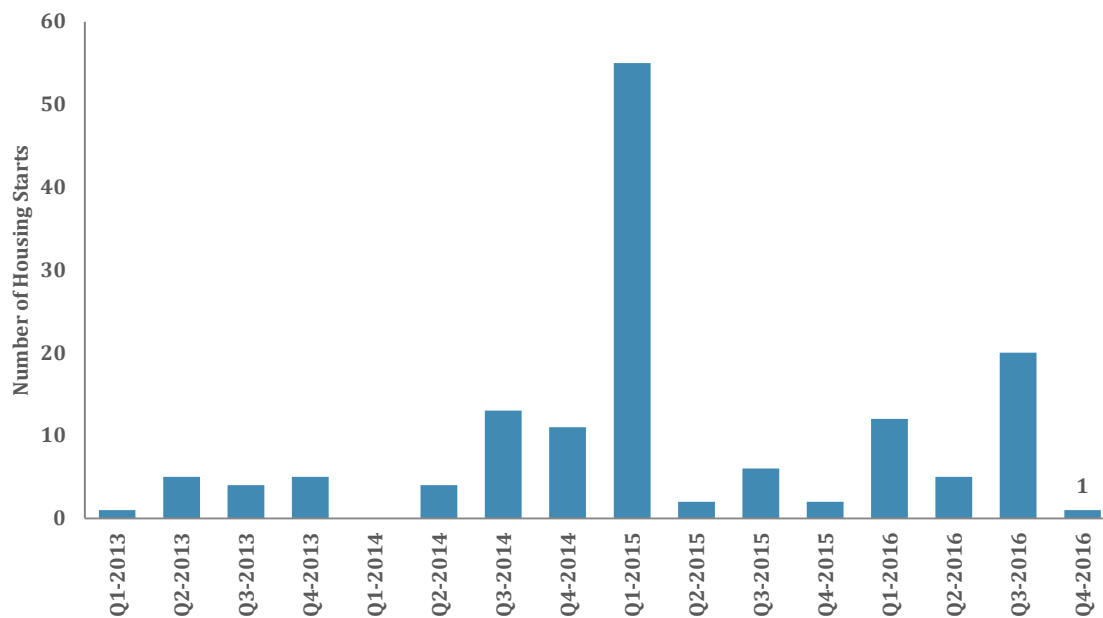
KOOTENAY REGION

Exhibit 9.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 9.4 Housing Starts - Nelson

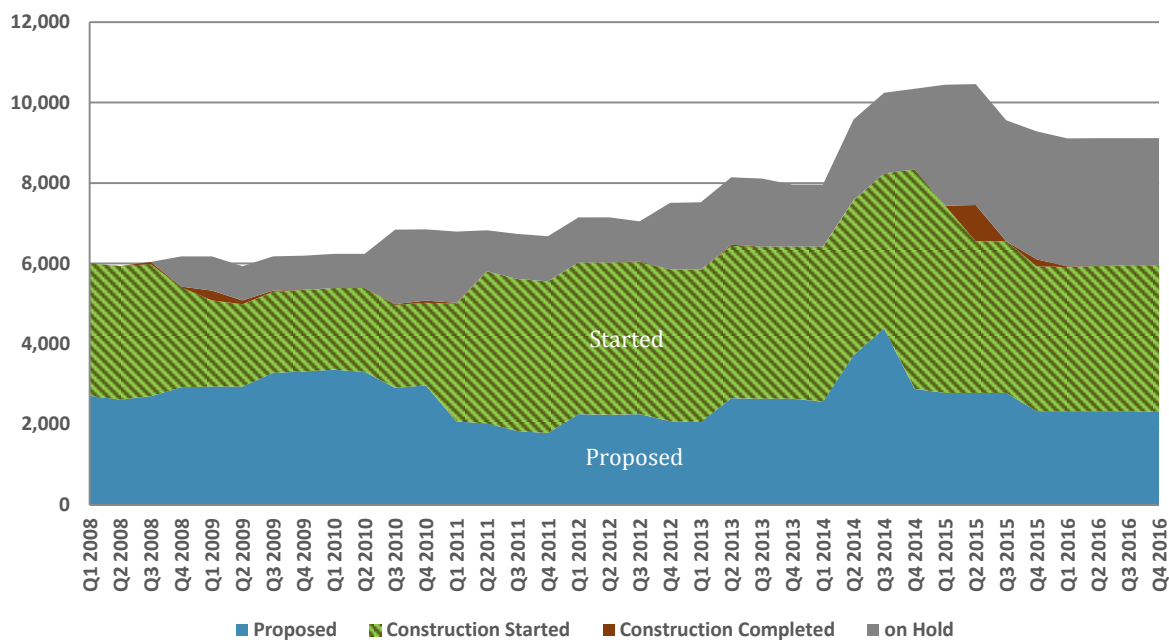


Source: CMHC

KOOTENAY REGION

Trends in Major Projects

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



Source: MPI, Q4 2016

In Q4 2016, the Kootenay region has a total of 28 major projects with a combined value of \$9.1 B, representing a 1.8 percent drop compared to one year earlier and remaining roughly the same over the previous quarter. Silver King Renewal – Trades Training Facility began construction in this quarter with total capital costs of \$20 M and is expected to be completed in Spring 2018.

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

Status	Q4 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	Change from the previous quarter	Change from the previous year
Proposed	2,331	2,331	2,331	2,331	2,312	-0.8%	-0.8%
Construction started	3,598	3,578	3,603	3,623	3,643	0.6%	1.3%
Completed	173	20	0	0	0	-	-100.0%
On hold	3,180	3,180	3,180	3,160	3,160	0.0%	-0.6%
Total	9,282	9,109	9,114	9,114	9,115	0.0%	-1.8%

Source: MPI, Q4 2016

KOOTENAY REGION

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

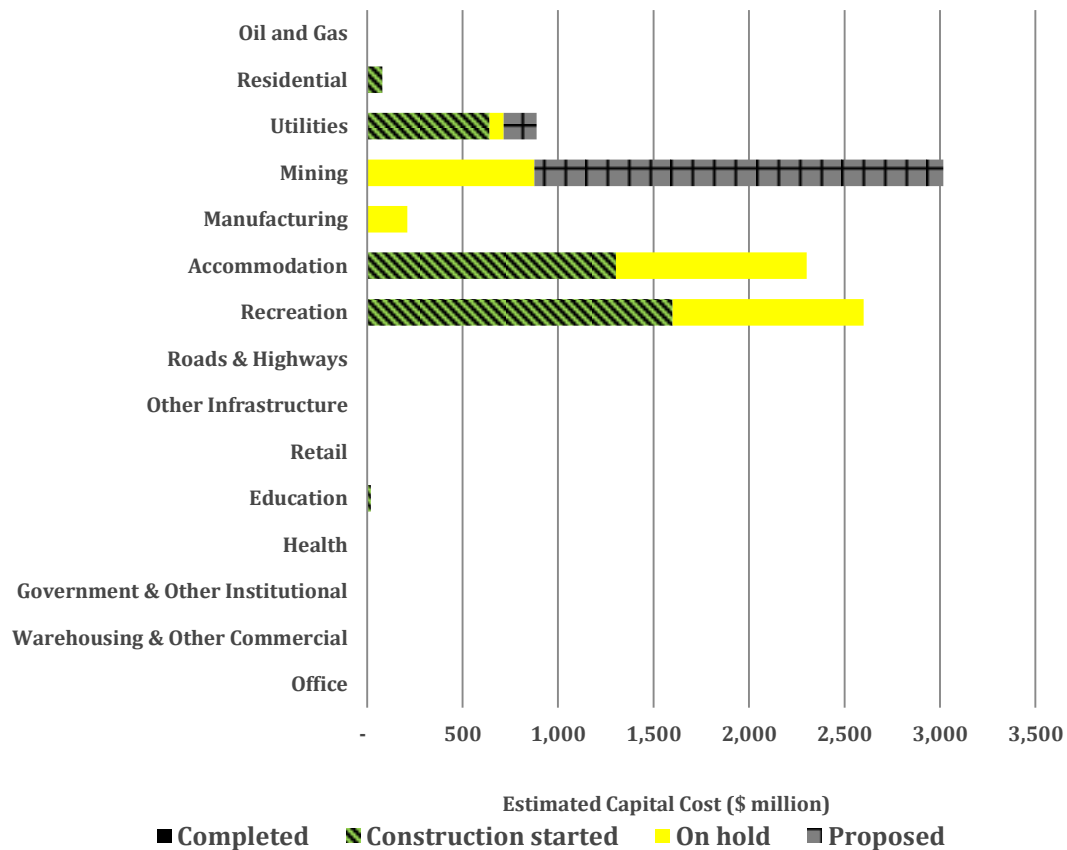
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	2,312	25%	5	578	6.4
Preliminary/Feasibility	0	0%	1	0	2.8
Consultation/Approvals	2,312	100%	4	578	7.3
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	0	0%	0	0	0.0
Stage Unknown	0	0%	0	0	0.0
On Hold	3,160	35%	7	451	9.7
Construction Started	3,643	40%	16	228	11.4
Completed	0	0%	0	0	0.0
Total	9,115	100%	28	338	10.1

Source: MPI, Q4 2016

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 updated date (December 31, 2016).

KOOTENAY REGION

Exhibit 9.8 Major Projects Status, by Construction Subtype
Kootenay Region



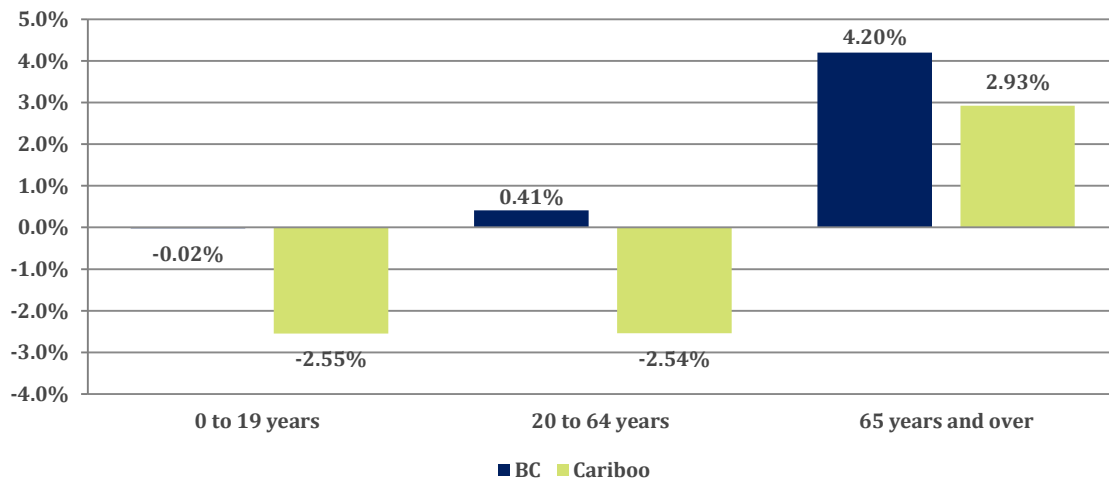
Source: MPI, Q4 2016

CARIBOO REGION

10. Cariboo Region

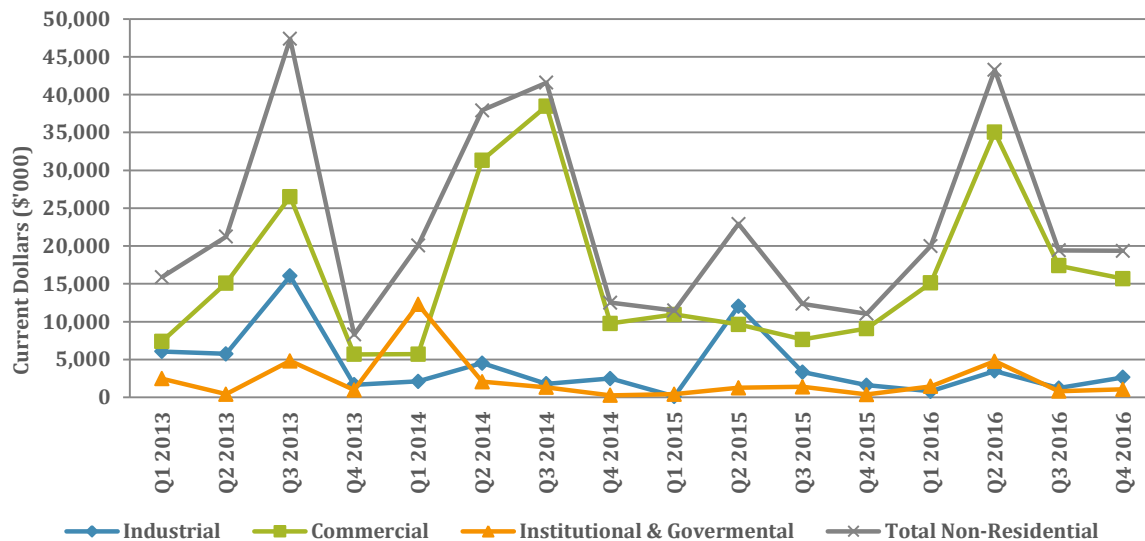
Key Economic Indicators

Exhibit 10.1 Population Growth 2014 - 2015



Source: BC Stats

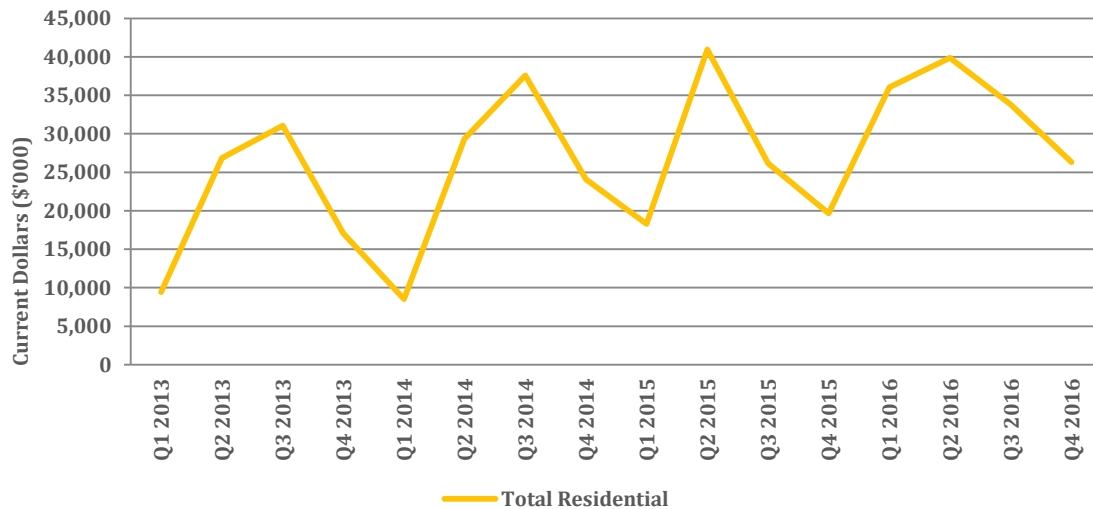
Exhibit 10.2 Value of Non-Residential Building Permits



Source: BC Stats

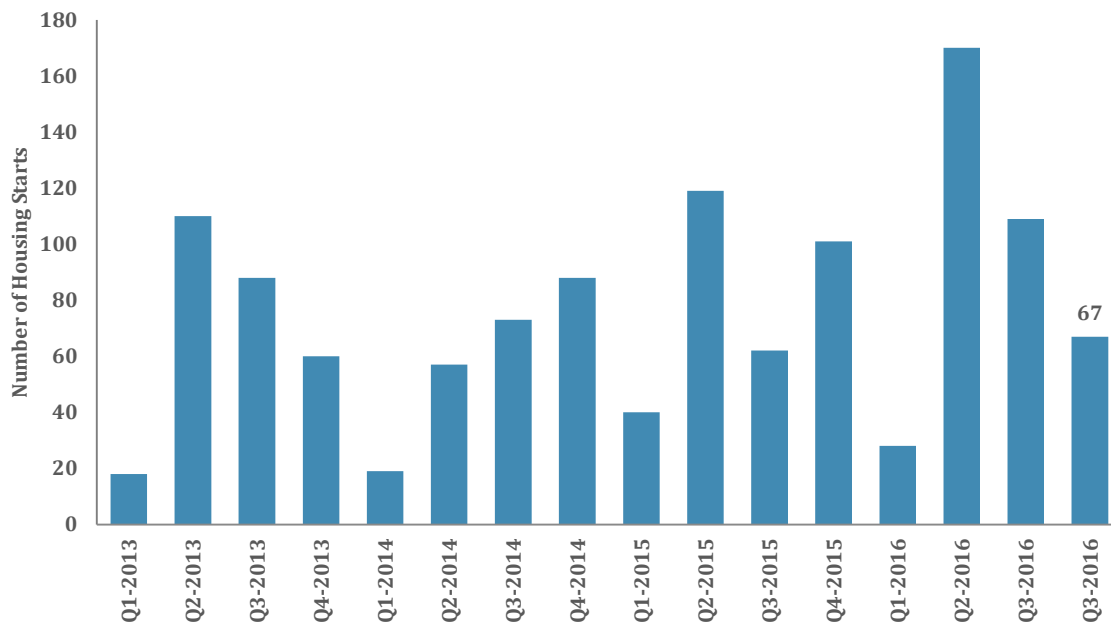
CARIBOO REGION

Exhibit 10.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 10.4 Housing Starts



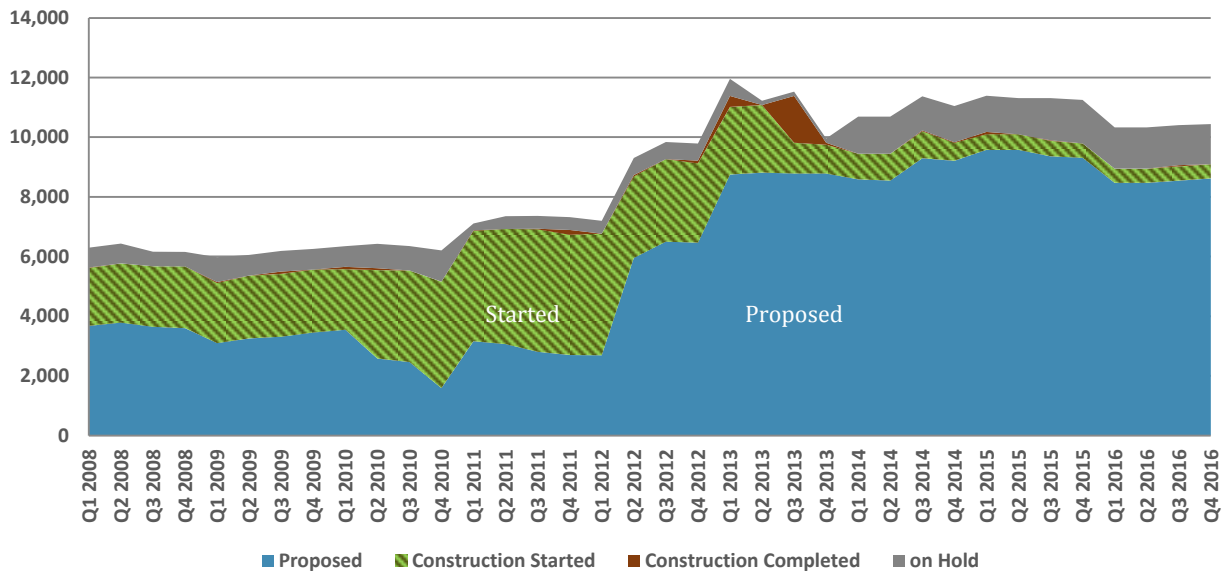
Source: CMHC

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



Source: MPI, Q4 2016

- In Q4 2016, the Cariboo region has a total of 30 major projects with a combined value of \$10.4 B, representing a 0.3 percent increase over the previous quarter and a 7.2 percent drop compared to one year earlier.
- There are three newly proposed projects added to the MPI this quarter. These are Highway 97 Parnip River Bridge Replacement (\$32 M), Highway 16 Bunce to Blackwater Widening (\$24 M) and College of New Caledonia – Heavy Mechanical Trades Centre (\$15 M).
- Highway 97 Salmon River Bridge Replacement began construction in this quarter with total capital costs of \$20 M and is expected to be completed in Fall 2017.

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

Status	Q4 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	Change from the previous quarter	Change from the previous year
Proposed	9,313	8,467	8,467	8,542	8,617	0.9%	-7.5%
Construction started	480	480	480	481	481	0.0%	0.2%
Completed	0	0	0	40	0	-100.0%	-
On hold	1,458	1,383	1,383	1,343	1,343	0.0%	-7.9%
Total	11,251	10,330	10,330	10,406	10,441	0.3%	-7.2%

Source: MPI, Q4 2016

CARIBOO REGION

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

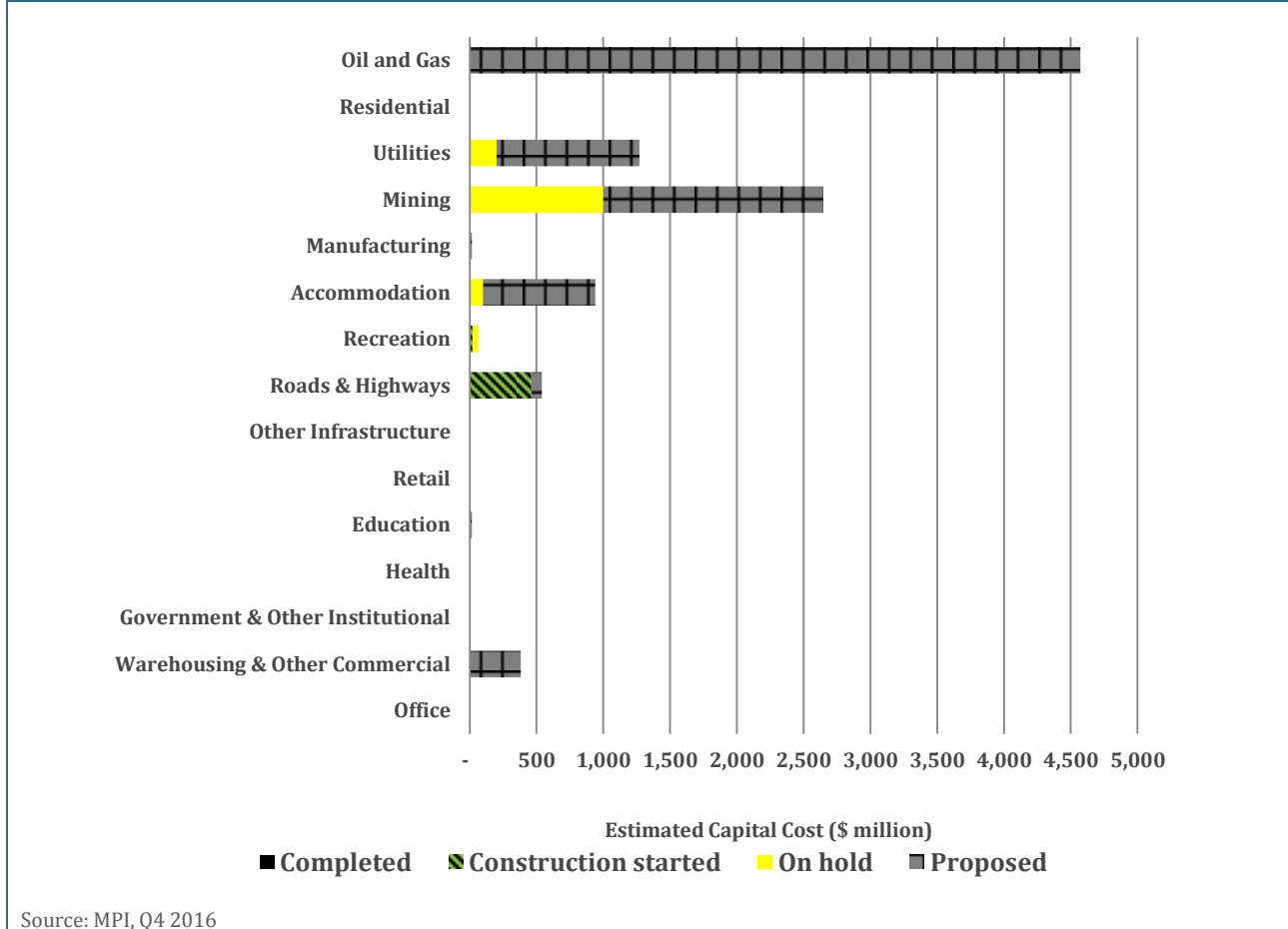
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	8,617	83%	22	410	5.9
Preliminary/Feasibility	1,692	20%	6	338	3.7
Consultation/Approvals	6,761	78%	9	751	9.3
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	15	0%	1	15	0.1
Stage Unknown	149	2%	6	25	4.0
On Hold	1,343	13%	5	336	11.2
Construction Started	481	5%	3	160	7.2
Completed	0	0%	0	0	0.0
Total	10,441	100%	30	373	6.9

Source: MPI, Q4 2016

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 updated date (December 31, 2016).

CARIBOO REGION

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

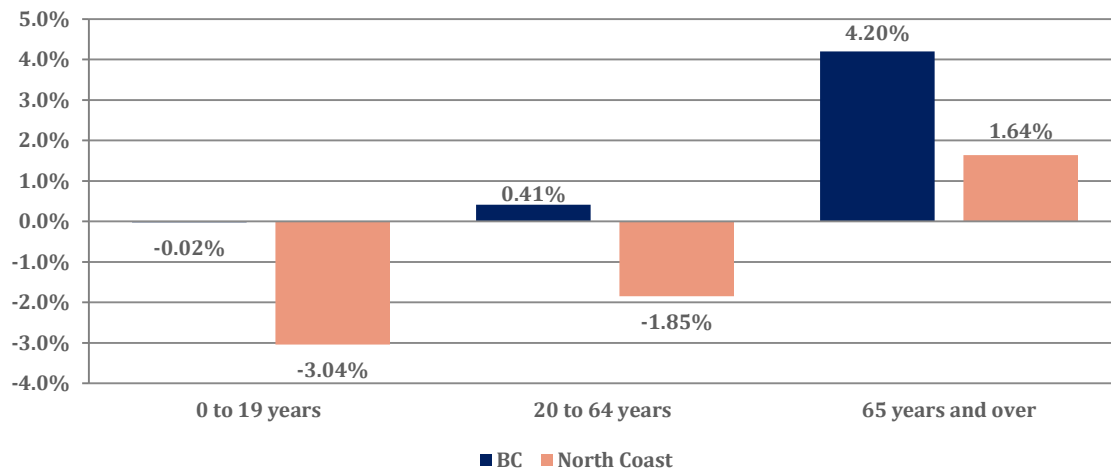


NORTH COAST REGION

11. North Coast Region

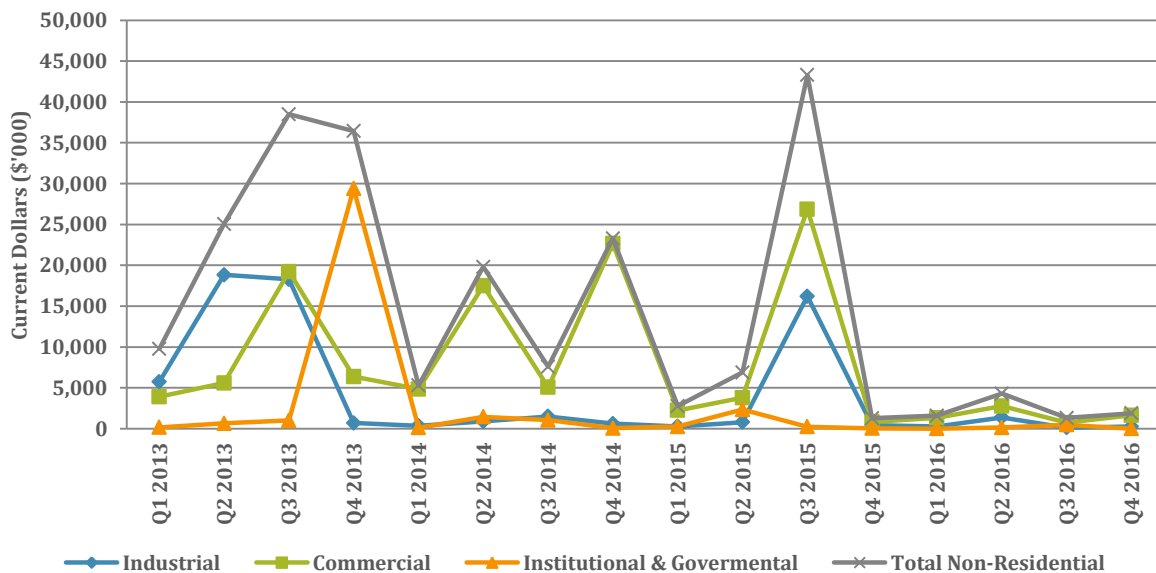
Key Economic Indicators

Exhibit 11.1 Population Growth 2014-2015



Source: BC Stats

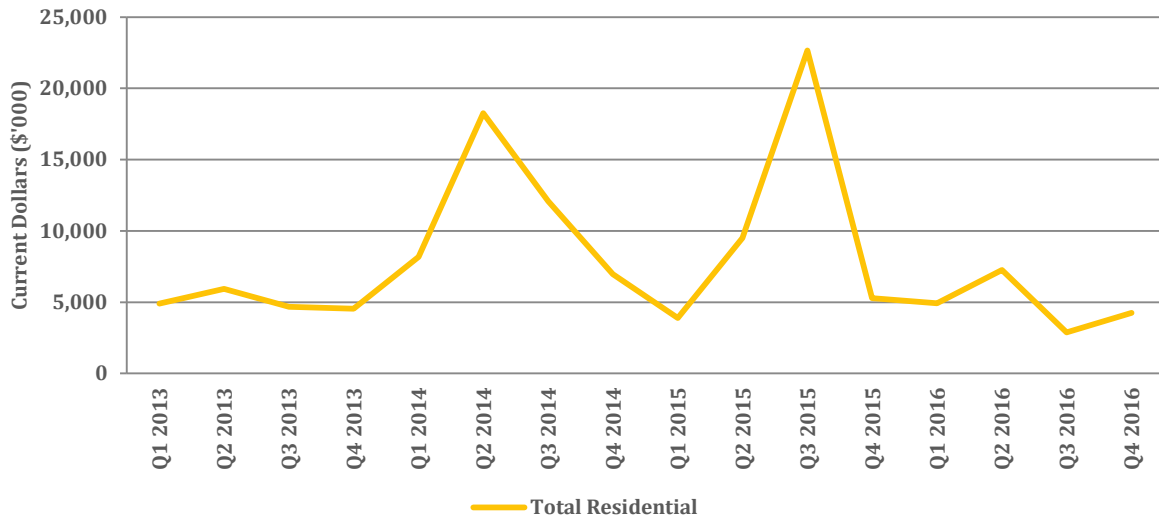
Exhibit 11.2 Value of Non-Residential Building Permits



Source: BC Stats

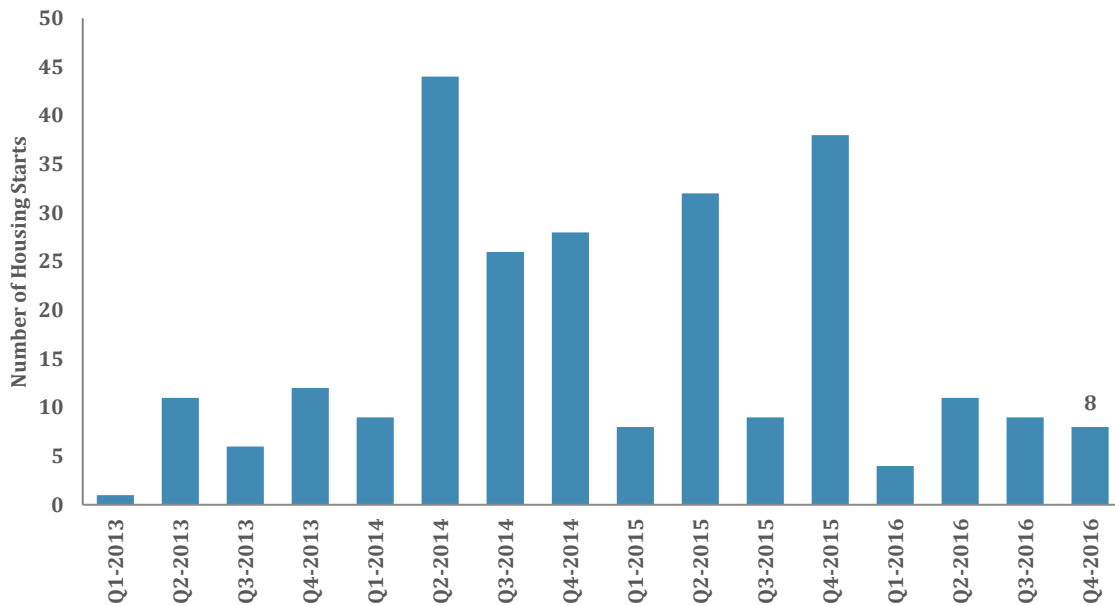
NORTH COAST REGION

Exhibit 11.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 11.4 Housing Starts – North Coast



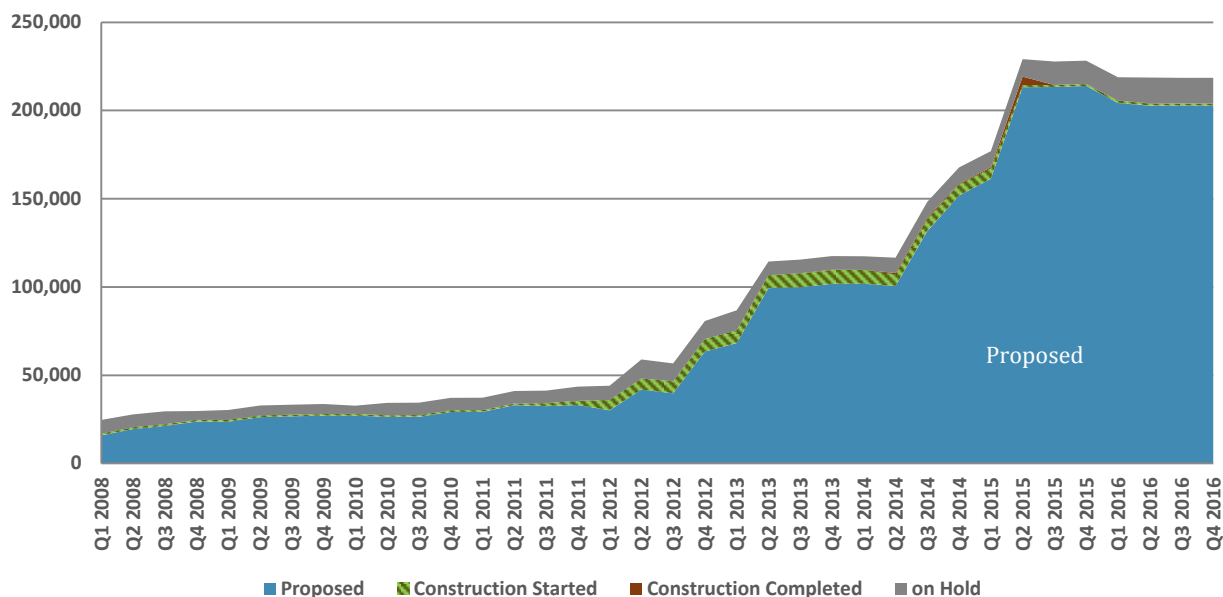
Source: CMHC

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



Source: MPI, Q4 2016

- In Q4 2016, the North Coast region has a total of 65 major projects with a combined value of \$218.5 B, remaining relatively unchanged over the previous quarter and a 4.3 percent drop compared to one year earlier.
- There is a newly proposed project added to the MPI this quarter – Upper Skeena Recreation Centre (\$16M)
- Trades Training Facility Renewal (\$18 M) began construction in this quarter and it is expected to be completed in August 2018.
- Two major projects completed in this quarter such as Queen Charlotte/Haida Gwaii General Hospital Replacement (\$50 M) and Tuck Inlet Road (\$20 M).

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

Status	Q4 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	Change from the previous quarter	Change from the previous year
Proposed	213,914	204,273	202,717	202,802	202,800	0.0%	-5.2%
Construction started	1,058	1,369	1,151	1,151	1,099	-4.5%	3.9%
Completed	75	0	217	0	70	-	-6.7%
On hold	13,206	13,206	14,602	14,572	14,572	0.0%	10.3%
Total	228,253	218,848	218,687	218,525	218,541	0.0%	-4.3%

Source: MPI, Q4 2016

NORTH COAST REGION

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

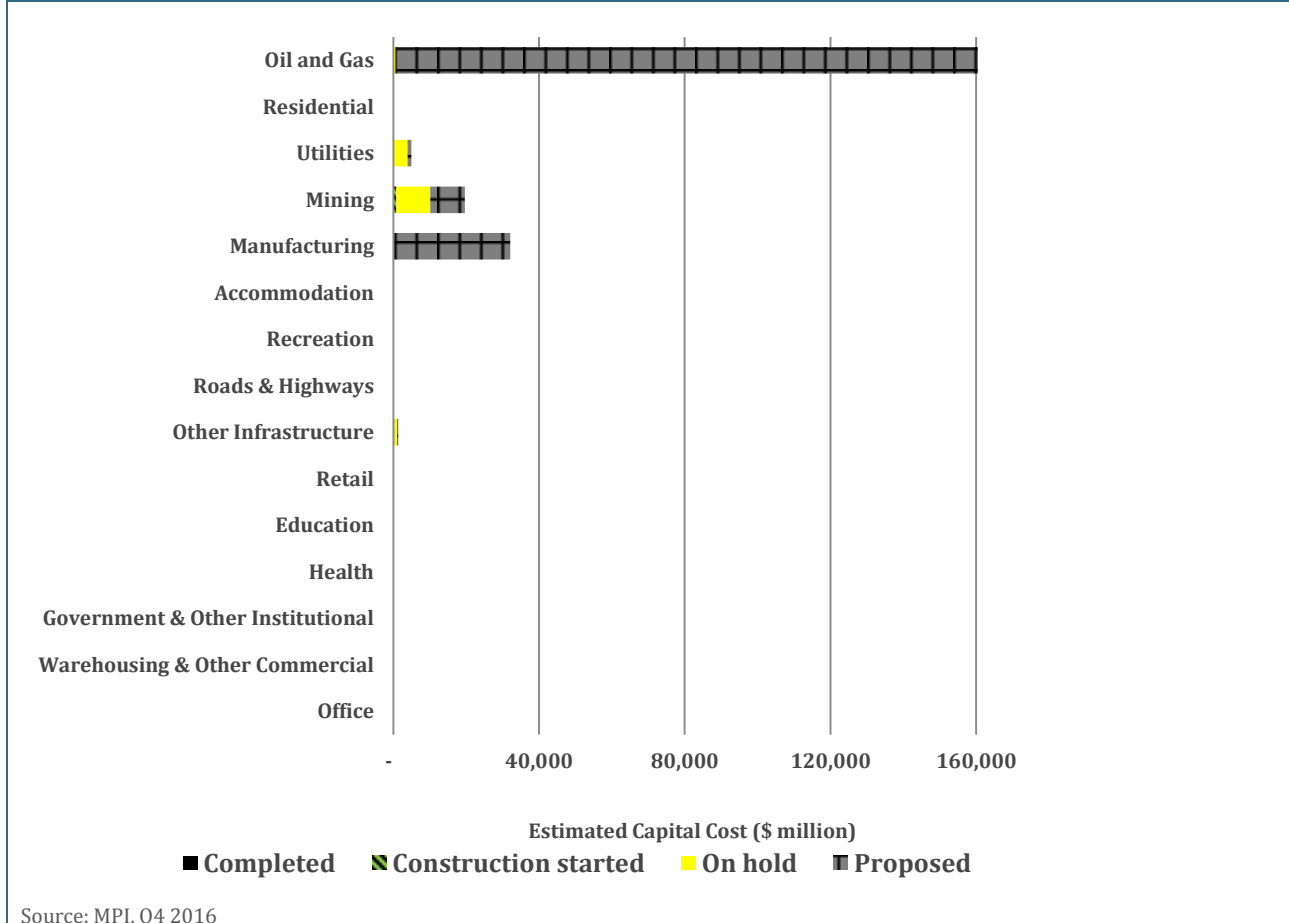
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	202,800	93%	46	5,337	5.3
Preliminary/Feasibility	34,170	17%	12	4,271	3.8
Consultation/Approvals	136,247	67%	27	5,924	6.1
Permitting	5,000	2%	1	5,000	4.1
Tender/Preconstruction	1,337	1%	2	669	5.6
Stage Unknown	26,046	13%	4	6,512	4.5
On Hold	14,572	7%	13	1,214	9.6
Construction Started	1,099	1%	4	275	3.6
Completed	70	0%	2	35	11.6
Total	218,541	100%	65	3,903	6.3

Source: MPI, Q4 2016

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 updated date (December 31, 2016).

NORTH COAST REGION

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

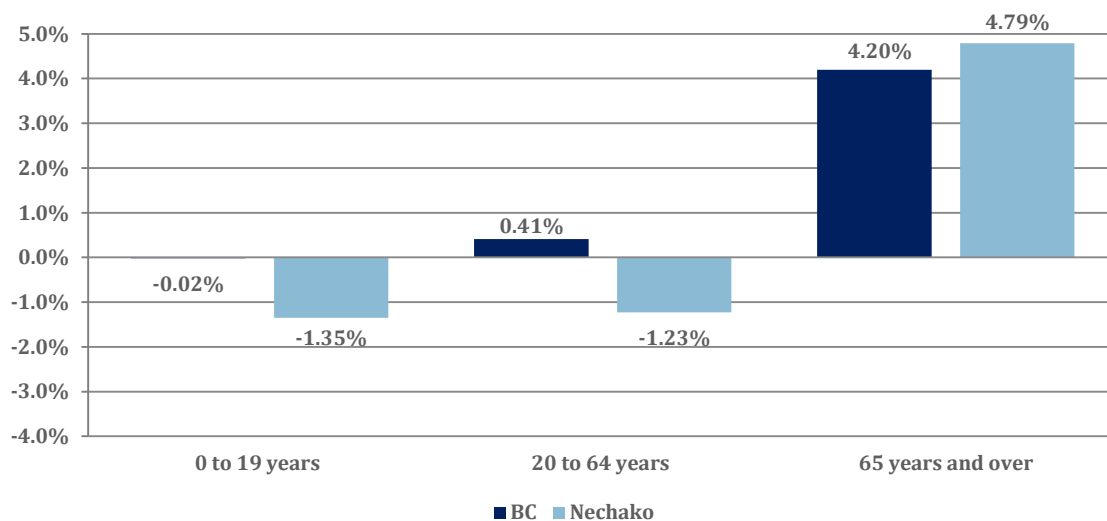


NECHAKO REGION

12. Nechako Region

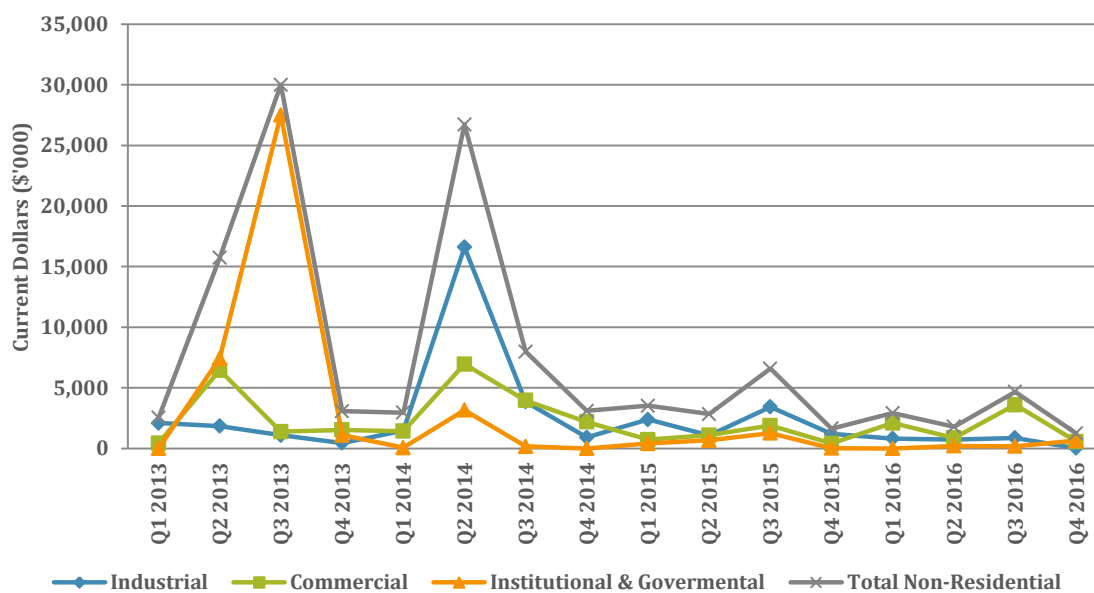
Key Economic Indicators

Exhibit 12.1 Population Growth 2014-2015



Source: BC Stats

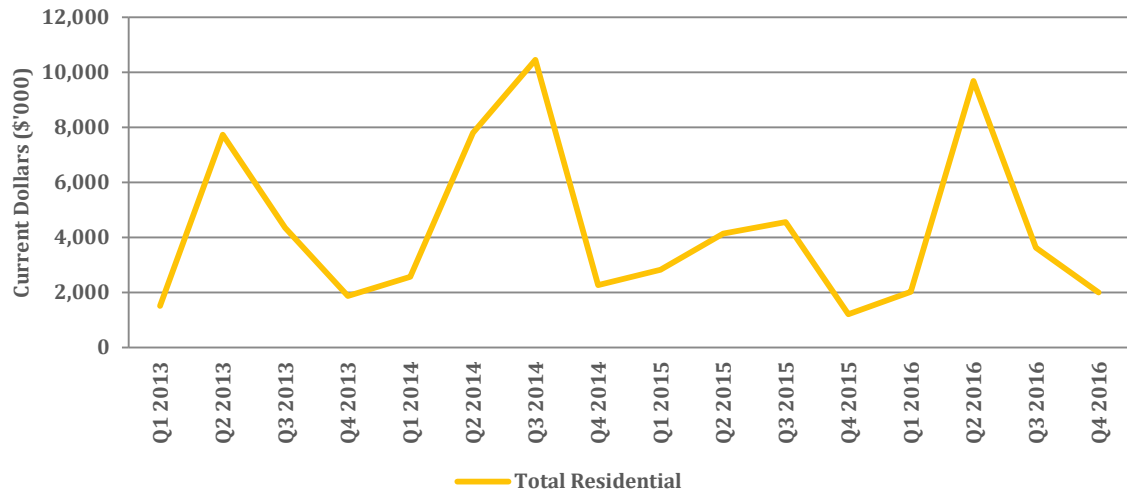
Exhibit 12.2 Value of Non-Residential Building Permits



Source: BC Stats

NECHAKO REGION

Exhibit 12.3 Value of Residential Building Permits

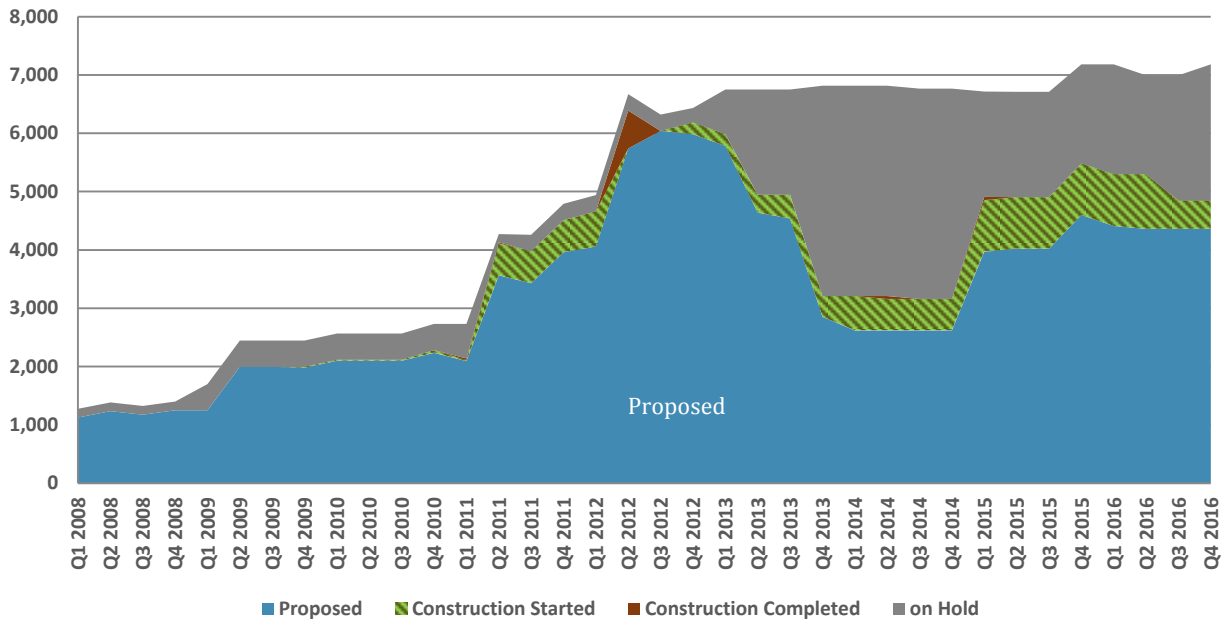


Source: BC Stats

NECHAKO REGION

Trends in Major Projects

Exhibit 12.4 Estimated Cost Trends in Major Projects (\$M)
Nechako Region



Source: MPI, Q4 2016

In Q4 2016, the Nechako region has a total of 19 major projects with a combined value of \$7.2 B, representing a 2.7 percent jump compared to the previous quarter and remaining roughly unchanged compared to one year earlier.

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

Status	Q4 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	Change from the previous quarter	Change from the previous year
Proposed	4,599	4,411	4,361	4,361	4,361	0.0%	-5.2%
Construction started	886	886	936	486	486	0.0%	-45.1%
Completed	0	0	0	0	0	-	-
On hold	1,697	1,885	1,697	2,147	2,335	8.8%	37.6%
Total	7,182	7,182	6,994	6,994	7,182	2.7%	0.0%

Source: MPI, Q4 2016

NECHAKO REGION

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

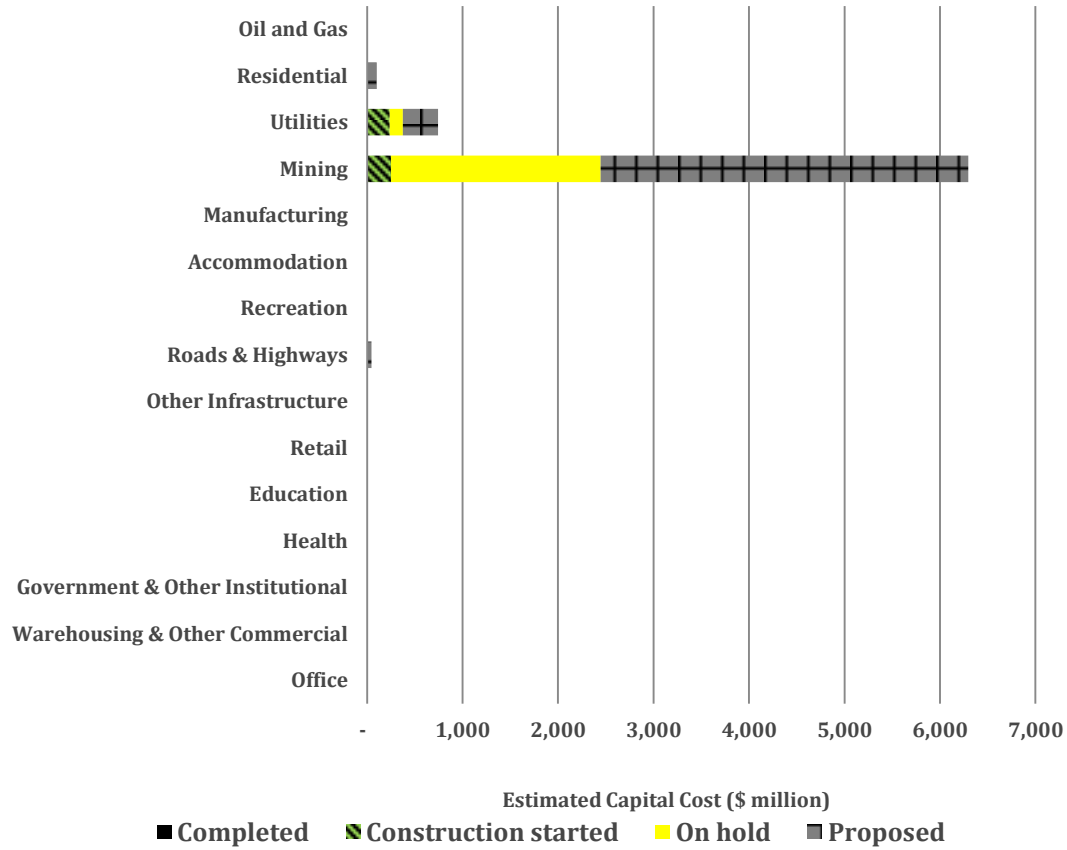
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	4,361	61%	11	436	8.8
Preliminary/Feasibility	875	20%	2	438	10.1
Consultation/Approvals	2,186	50%	7	312	8.9
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	0	0%	0	0	0.0
Stage Unknown	1,300	30%	2	1,300	7.3
On Hold	2,335	33%	5	467	11.2
Construction Started	486	7%	3	162	4.5
Completed	0	0%	0	0	0.0
Total	7,182	100%	19	399	8.8

Source: MPI, Q4 2016

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 updated date (December 31, 2016).

NECHAKO REGION

**Exhibit 12.7 Major Projects Status, by Construction Subtype
Nechako Region**



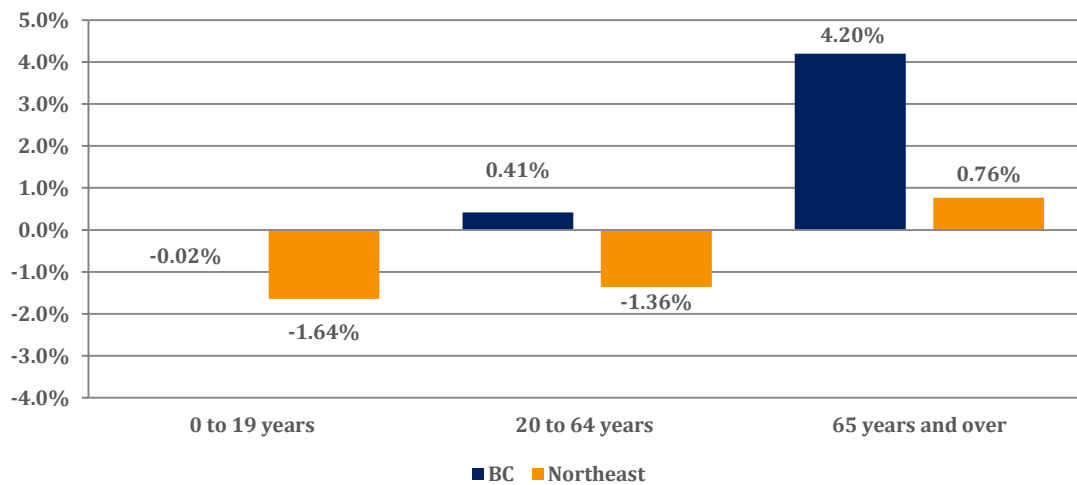
Source: MPI, Q4 2016

NORTHEAST REGION

13. Northeast Region

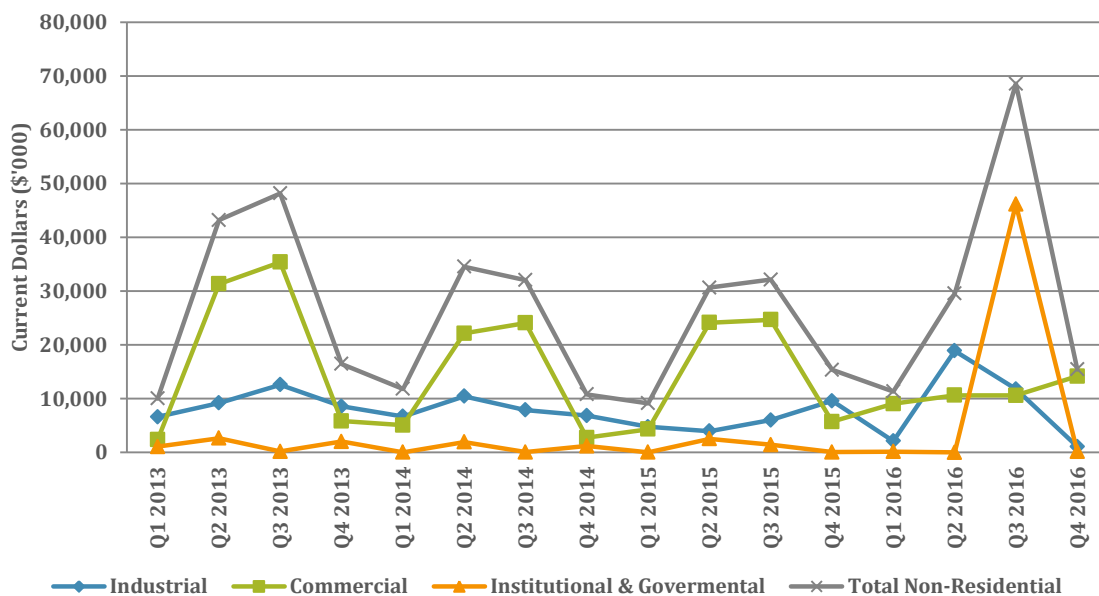
Key Economic Indicators

Exhibit 13.1 Population Growth 2014-2015



Source: BC Stats

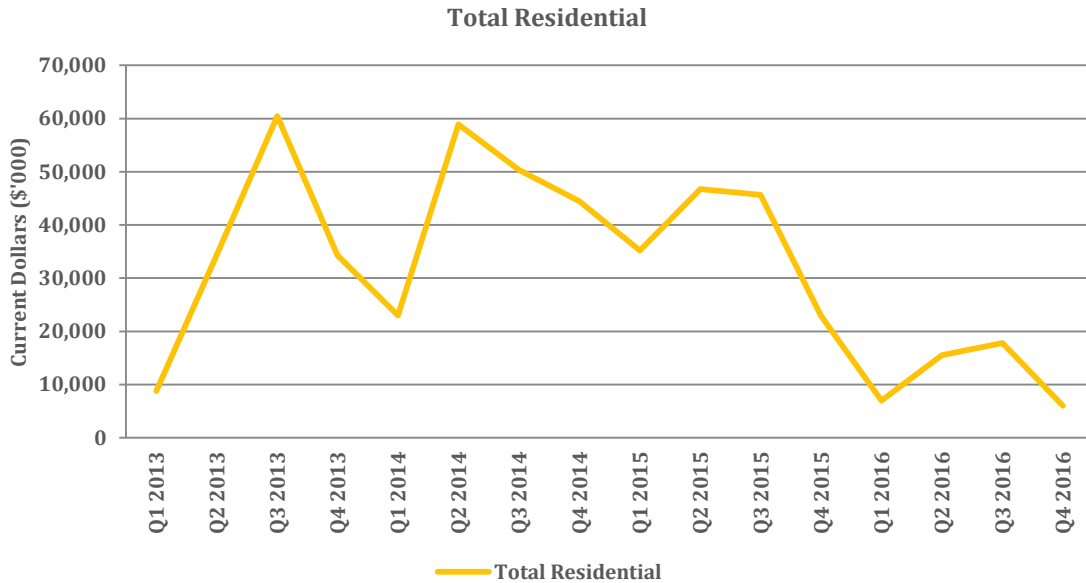
Exhibit 13.2 Value of Non-Residential Building Permits



Source: BC Stats

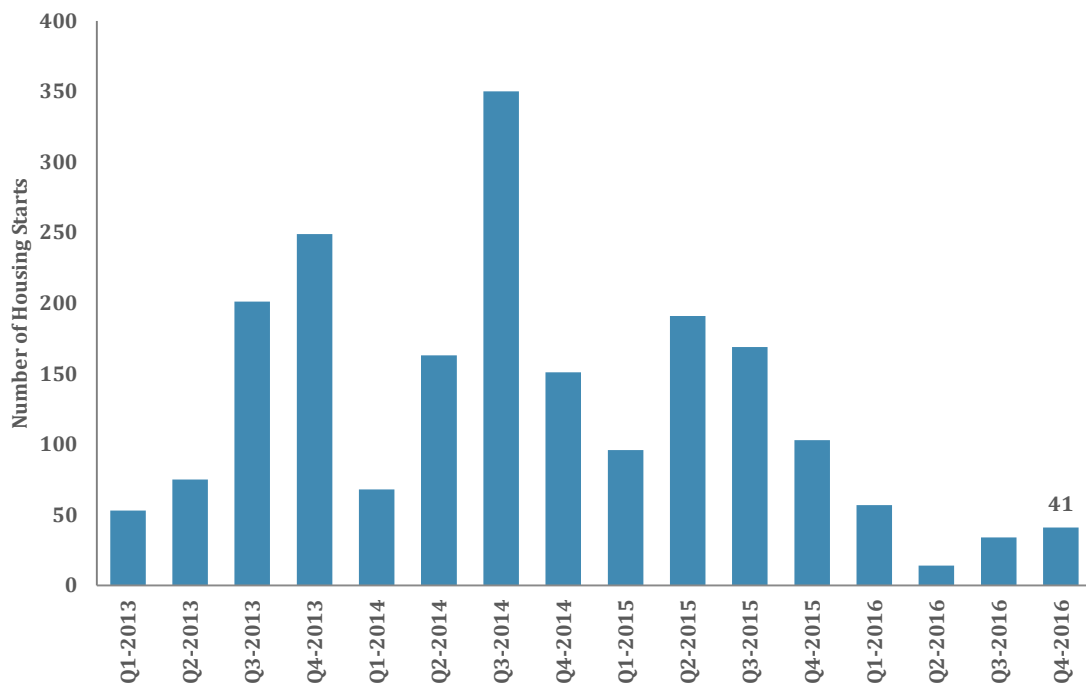
NORTHEAST REGION

Exhibit 13.3 Value of Residential Building Permits



Source: BC Stats

Exhibit 13.4 Housing Starts



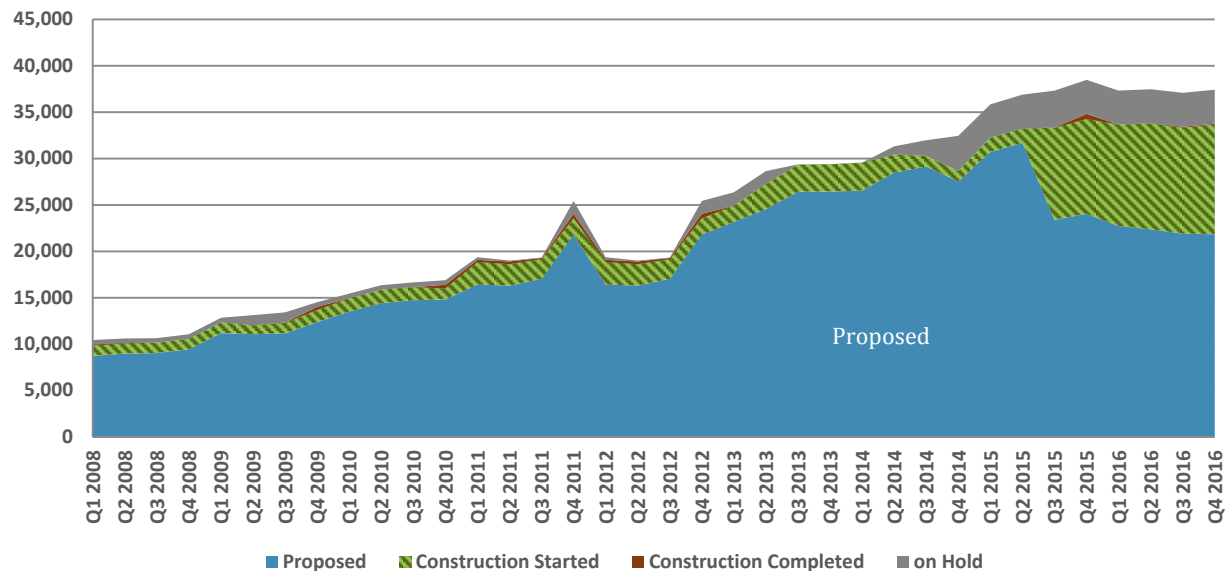
Source: CMHC

Note: The housing starts are 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



Source: MPI, Q4 2016

- In Q4 2016, the Northeast region has a total of 63 major projects with a combined value of \$37.4 B, representing a 0.9 percent increase over the previous quarter and a 2.8 percent drop compared to one year earlier.
- Project RAM (Reliability, Availability, and Maintainability), an enhance natural gas transmission system began construction in this quarter and is expected to be completed in 2018.
- Three major projects completed in this quarter such as Meikle Wind Energy (\$35 M), Fort St. John Substation Transformer Upgrade (\$29 M), and G.M. Shrum Spillway Chute Interim Upgrade (\$27 M).

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

Status	Q4 2015	Q1 2016	Q2 2016	Q3 2016	Q4 2016	Change from the previous quarter	Change from the previous year
Proposed	24,033	22,719	22,369	21,892	21,831	-0.3%	-9.2%
Construction started	10,217	10,932	11,398	11,410	11,817	3.6%	15.7%
Completed	554	0	29	111	91	-18.0%	-83.6%
On hold	3,667	3,667	3,667	3,667	3,667	0.0%	0.0%
Total	38,471	37,318	37,463	37,080	37,406	0.9%	-2.8%

Source: MPI, Q4 2016

NORTHEAST REGION

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

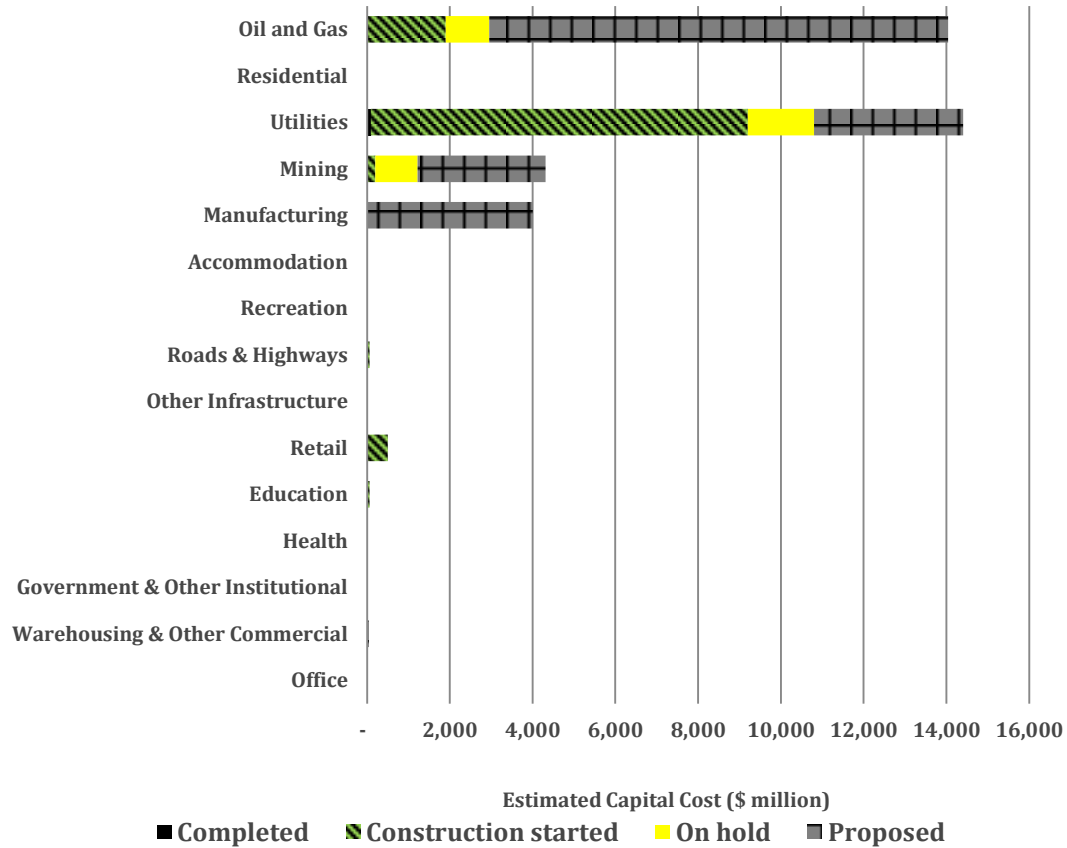
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	21,831	58%	32	809	4.8
Preliminary/Feasibility	145	1%	3	73	1.3
Consultation/Approvals	20,131	92%	26	915	5.3
Permitting	1,500	7%	1	1,500	1.8
Tender/Preconstruction	40	0%	1	40	3.6
Stage Unknown	15	0%	1	15	6.1
On Hold	3,667	10%	9	458	7.7
Construction Started	11,817	32%	19	695	2.9
Completed	91	0%	3	30	2.3
Total	37,406	100%	63	680	4.5

Source: MPI, Q4 2016

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 updated date (December 31, 2016).

NORTHEAST REGION

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



Source: MPI, Q4 2016

APPENDICES

Appendices

Appendix 1

New Proposed Projects (October - December 2016)			
Region	Municipality	Project	Estimated Cost (\$ million)
1. Vancouver Island/Coast	Campbell River	Campbell River O&M CNG Facility	15
	Cowichan	Cowichan O&M CNG Facility	15
	Nanaimo	Vancouver Island University - Trades Complex	20
	Nanaimo	Front Street Hotel	20
	Victoria	Yates on Yates Condominium	30
2. Mainland/Southwest	Aldergrove	Highway 13 8th Ave to Zero Ave widening	26
	Burnaby	Southgate City Mixed Use Development	
	Coquitlam	Brunette Interchange	
	Coquitlam	567 Clarke + Como Condominiums	45
	Coquitlam	Maples Adolescent Centre and the Provincial Assessment Centre	77
	Coquitlam	Centre for Mental Health and Addiction	100
	Langley	Seniors Housing Development	20
	Lillooet	Highway 99 - Ten Mile Slide Improvements	60
	North Vancouver	Park West at Lions Gate Condominiums	40
	Surrey	The Summit Townhomes	20
	Surrey	Fleetwood Rise Townhomes	22
	Tsawwassen	Big Slash Waterpark and Hotel	20
	Vancouver	34 W7 Office Building	20
	Vancouver	902 Davie Street Condominium	20
	Vancouver	1188 Bidwell Condominium Tower	22
	Vancouver	Lord Tennyson Elementary School Replacement	25
	Vancouver	Alberni Condominium Tower	35
	Vancouver	Opal Retirement Community	106
5. Cariboo	Prince George	Highway 16 Bunce to Blackwater Widening	24
	Prince George	Highway 97 Parsnip River Bridge Replacement	32
	Quesnel	College of New Caledonia - Heavy Mechanical Trades Centre	15
6. North Coast	Upper Skeena	Upper Skeena Recreation Centre	16
Total			845

Source: MPI, Q4 2016

APPENDICES

Appendix 2

Construction Started (October - December 2016)				
Region	Municipality	Project	Completion Date	Estimated Cost (\$ million)
1. Vancouver Island/Coast	Courtenay	Georges P. Vanier Secondary School	2019-Q3	34
	Saanich	Senior Care Complex	2017-Q4	21
	Victoria	Condominium Development - 989 Johnson Street	2019-Q2	30
	Victoria	Pacific Landing at Havenwood	2018-Q4	22
2. Mainland/Southwest	Burnaby	Alpha Secondary School Seismic Upgrade	2018-Q4	27
	Delta	Highway 91 at 72nd Avenue Grade Separation	2018-Q4	30
	Delta	Tsawwassen Container Examination Facility	2017-Q4	30
	Hope	Hunter Creek Run-of-River Hydroelectric Power	2017-Q4	38
	Richmond	South Fraser Transmission Relocation Project	2019-Q2	76
	Surrey	Simon Fraser University - Energy Systems Engineering Building	2019-Q4	126
	Tsawwassen	Tsawwassen Landing Development	2017-Q4	20
	Vancouver	Burrard Place (formerly Burrard Gateway) Mixed Use Development	2019-Q4	500
	Vancouver	Burrard Street Bridge Improvements	2017-Q3	30
4. Kootenay	Nelson	Silver King Renewal - Trades Training Facility	2018-Q2	20
5. Cariboo	Prince George	Highway 97 Salmon River Bridge Replacement	2017-Q4	20
6. North Coast	Terrace	Trades Training Facility Renewal	2018-Q3	18
8. Northeast	Chetwynd	Project RAM (Reliability, Availability and Maintainability)	2018-Q4	
Total				1,042

Source: MPI, Q4 2016

APPENDICES

Appendix 3

Construction Completed (October - December 2016)			
Region	Municipality	Project	Estimated Cost (\$ million)
1. Vancouver Island/Coast	Victoria	Horsey GIS Replacement Program	32
	Victoria	Janion Hotel Redevelopment	15
2. Mainland/Southwest	New Westminster	Pattullo Bridge Repairs	25
	North Vancouver	Canyon Springs	20
	Richmond	Pacific Autism Research and Support Centre	33
	Surrey	The Wave Highrise Condominium	120
	Vancouver	Cambieplace Condominiums	200
	Vancouver	CambieStar Mixed-Use Development - 4099 Cambie Street	20
	Vancouver	InGastown Condominium	
	Vancouver	Telus Garden Communications Centre	750
	Vancouver	UBC Aquatic Centre	40
	Vancouver area	Skytrain - Evergreen Line	1,430
3. Thompson-Okanagan	Kamloops	Trans Canada Hwy Improvements - Pritchard to Hoffman's Bluff	62
	Princeton	Highway 3 Sunday Creek-Sunday Summit Realignment	19
6. North Coast	Prince Rupert	Tuck Inlet Road	20
	Queen Charlotte City	Queen Charlotte/Haida Gwaii General Hospital Replacement	50
8. Northeast	Fort St. John	Fort St. John Substation Transformer Upgrade	29
	Hudson Hope	G.M. Shrum Spillway Chute Interim Upgrade	27
	North Peace	Meikle Wind Energy	35
Total			2,927

Source: MPI, Q4 2016

APPENDICES

Appendix 4

Project Value and Project Status for each Industry Sector – (October - December 2016)

	Proposed	Construction started	Completed	On hold	Total
Oil and Gas	209,634	2,368	0	1,650	213,652
Residential	17,403	32,115	1125	2,643	53,286
Utilities	15,341	14,071	123	9,284	38,819
Mining	21,289	1,362	0	15,576	38,227
Manufacturing	36,105	50	0	270	36,425
Accommodation	5,492	4,849	0	1,356	11,697
Recreation	5,967	4,289	0	1,468	11,724
Roads & Highways	5,860	2,286	1556	69	9,771
Other Infrastructure	3,250	4,754	0	790	8,794
Retail	624	2,760	0	0	3,384
Education	2,089	1,250	40	435	3,814
Health	436	2,134	83	0	2,653
Government & Other Institutional	81	1,671	0	0	1,752
Warehousing & Other Commercial	1,067	575	0	0	1,642
Office	687	530	0	80	1,297
	325,325	75,064	2,927	33,621	436,937

Source: MPI, Q4 2016

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	87	13	7	18	1	10	7	143
Mainland/Southwest	304	49	6	40	2	48	10	459
Thompson-Okanagan	54	9	4	20	1	6	7	101
Kootenay	10	0	5	6	1	1	5	28
Cariboo	5	6	7	8	1	1	2	30
North Coast	2	15	29	10	5	1	1	63
Nechako	1	1	12	5	0	0	0	19
Northeast	2	11	25	18	2	2	0	60
Total	465	104	95	125	13	69	32	903

Source: MPI, Q4 2016

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Ministry of
Jobs, Tourism
and Skills Training