

Image courtesy: BC Government

**Benvoulin Court Affordable Housing project** is completed, 122 affordable, energy-efficient rental homes in the final building of the National Society of Hope's Apple Valley development in Kelowna. The modern nine-storey building will provide a mix of one- and two-bedroom homes for moderate- and low-income individuals, families, seniors and people with disabilities.

**Total Cost:** 20 million. The project is part of B.C.'s 10-year, \$7-billion housing plan.

# BRITISH COLUMBIA MAJOR PROJECTS INVENTORY

## FIRST QUARTER 2022



Ministry of Advanced Education and Skills Training

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### British Columbia Major Projects Inventory

### First Quarter 2022

Major Projects Inventory as of March 31, 2022.

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Report prepared by Workforce Innovation and Skills Training Division staff.

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### About this Report

The objectives of this report are to analyze the updates to the Major Projects Inventory 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: <u>www.majorprojectsinventory.com</u>

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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).

Since 2019 (Quarter 1), about 75% of all the existing projects received 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 inventory. Completed projects are removed from the list in the following quarter.

Project identification	Project name, description, specific and regional location, geographic coordinates, developer, contact information, project type, and project category.
Project status	<ul> <li>Proposed, under construction, completed, or on hold</li> <li>Proposed stages</li> <li>Start and completion dates (if available)</li> <li>Update activity on project status</li> <li>Environmental assessment stage</li> </ul>
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 peoples' agreements, the number of construction jobs and operating jobs.

Information collected in the MPI includes:

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 since projects need to be publicly announced in order 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).

#### **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.

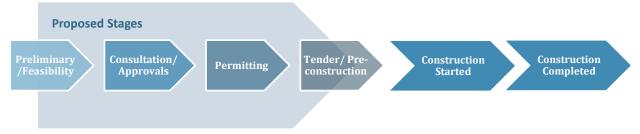
#### **Start and Finish Dates**

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 identified in the project description as "cancelled" and noted in Update Activity. 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 at the construction completed stage.

### 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 four stages prior to reaching the construction stage.

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

**The Consultation/Approvals** stage includes approvals for the zoning, environmental assessment, Indigenous peoples and other public open house processes.

A proposed project will enter the **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.

**The Tender/Pre-construction** stage includes construction tenders and building site preparation such as preloading, 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 designs and construction projects that are registered and certified under a recognized green building rating system are identified. Examples of green building rating system include Leadership in Energy and Environmental Design (LEED®) and Green Globes. LEED buildings provide an environmentally responsible standard for energy efficiency at home and in the 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 peoples' 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: <u>https://biz.bcibic.ca/</u>).

#### **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
g.) utilities (including sewage treatment)

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 liquefaction 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

Field latitude and longitude are noted in the Degrees Minutes Seconds (DMS) format.

#### 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
- g.) project removed from hold

### 1. B.C. Major Projects Highlights –Q1 2022

The estimated capital cost of all 959 major projects in the first quarter of 2022 increased slightly from \$388.57 billion (B) in the fourth quarter of 2021 to \$388.65 B. Note: the total capital cost is the combined estimated value of projects identified as proposed, construction started, completed, and on hold excluding cancelled projects.

There were 30 new proposed projects over \$15 million (M) with available capital cost estimates totalling \$1.68 B if all the projects were to proceed. The potential capital investment for new projects has increased from \$996 M in the fourth quarter of 2021.

There were 22 projects that started construction in B.C., representing an estimated capital cost of \$1.61 B, down from the \$3.76 B reported in the fourth quarter of 2021. Twenty-nine projects completed construction in the first quarter of 2022, with an estimated capital cost of \$2.67 B compared to \$2.35 B in the previous quarter.

There were 272 projects with public funding contributions with a total capital cost of \$74.15 B. Funding for these projects is allocated through municipal, provincial and/or federal levels of government, crown corporations, public institutions and may include private partnerships. Of these, 134 projects worth a total of \$33.72 B had provincial government funding contributions.

There were 59 projects with a total estimated cost of \$119.43 B involving Indigenous communities in capacities such as project owners, project partners or benefit agreements.

Major projects currently under construction in B.C. totalled \$135.39 B, down from \$136.01 B in the fourth quarter of 2021. Proposed projects totalled \$219.55 B, up slightly from \$219.10 B in the previous quarter. Several major project proposals listed were in very preliminary stages and were not approved for construction, therefore capital cost estimates should be viewed with caution. Projects with a total value of approximately \$31.05 B were judged to be 'on hold' in the first quarter of 2022, a small decline from the previous quarter.

All capital costs in this report were estimated and therefore subject to change. Some capital costs were 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

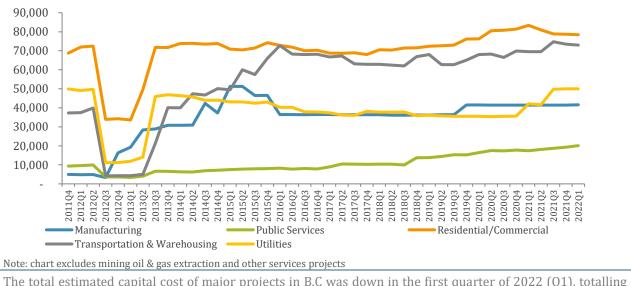
959	Number of total major projects				
\$388.65 B	Value of all projects				
521	Number of total proposed projects				
\$219.55 B	Value of proposed projects				
349	349 Number of projects under construction				
\$135.39 B	Value of projects under construction				
29	Number of projects completed				
\$2.67 B	Value of projects completed				
30	Number of new proposed projects				
\$1.68 B	Value of newly proposed projects				

### 2. B.C. Major Projects Inventory – Q1 2022

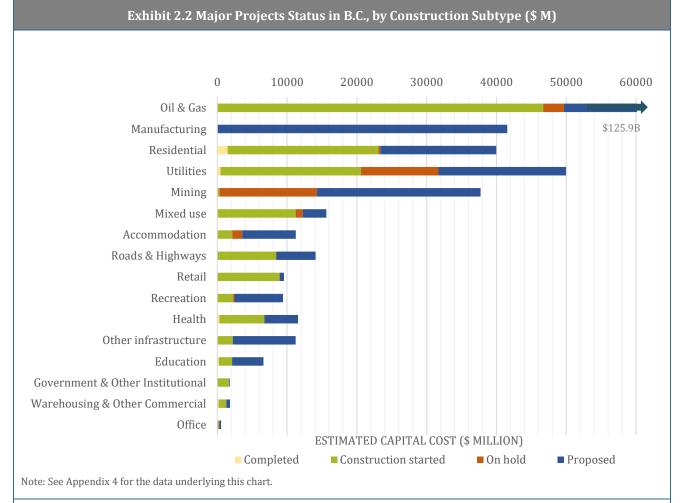
### By Project Category, Construction Type or Subtype

Exhibit 2.1 Estim	Exhibit 2.1 Estimated Cost Trends in B.C. Major Projects, by Project Category (\$ M)									
9Project Category	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Change from the previous quarter	Change from the previous year			
Mining & Oil & Gas Extraction	120,761	120,761	120,761	116,261	116,161	-0.1%	-3.8%			
Residential/Commercial	83,376	81,017	78,845	78,667	78,452	-0.3%	-5.9%			
Transportation & Warehousing	69,536	69,516	74,757	73,510	72,994	-0.7%	5.0%			
Manufacturing	41,387	41,387	41,417	41,417	41,559	0.3%	0.4%			
Utilities (incl sewage treatment)	42,082	41,580	49,721	49,992	49,976	0.0%	18.8%			
Public Services	17,461	18,083	18,681	19,317	20,099	4.0%	15.1%			
Other Services	9,036	9,036	9,226	9,405	9,405	0.0%	4.1%			
Grand Total	383,639	381,380	393,408	388,569	388,646	0.0%	1.3%			

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 liquefaction is classified as being in the transportation industry.



The total estimated capital cost of major projects in B.C was down in the first quarter of 2022 (Q1), totalling \$388.65 B, almost the same as the previous quarter and up 1.2% compared to last year.



- In the first quarter of 2022, Oil and Gas projects (including LNG) represented 32.4% of the total estimated capital cost in the MPI.
- Residential and Commercial development projects comprised 552 of the 959 projects listed in the first quarter of 2022, representing a total estimated capital cost of \$88.2 B.
- Residential projects were concentrated in the Mainland/Southwest region (69.2%), Vancouver Island (16.1%), and Thompson-Okanagan (10.5%).
- Utility projects continued to be a significant driver for the province. The total cost of utilities projects was nearly \$49.98 B while the total cost of projects which are currently underway was nearly \$20.16 B.
- There were 57 mining projects listed in the MPI with a total estimated value of \$37.73 B.
- The largest new proposed project was the Highway Flood Recovery Projects Malahat in Vancouver Island, project valued at \$295 M.
- Public Infrastructure The value of public funding contributions was \$74.15 B for 272 projects across all levels of government. Of these, 134 projects worth a total of \$33.72 B had provincial government funding contributions. It is important to note that this figure reflects the total cost, not just the provincial contribution.

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	12,536	31,812	9,321	80			100	20	53,869
Primarily residential - Single use	3,900	8,622	1,450						13,972
Residential Mixed Use	8,636	23,190	7,871	80			100	20	39,897
Commercial Subtotal	3,073	23,607	3,004	2,752	1,322	30		540	34,328
Commercial Mixed Use		1,730							1,730
Accommodation	2,090	4,700	1,224	2,302	940				11,256
Recreation	393	6,897	1,665	450					9,405
Retail	480	8,460	115					500	9,555
Office	70	480							550
Warehousing		340							340
Other Commercial	40	1,000			382	30		40	1,492
Industrial Subtotal	2,130	2,659	1,039	2,940	13,331	154,679	6,247	22,145	205,170
Mining	130	160	1,039	2,940	3,546	19,669	6,247	4,001	37,732
Oil & Gas	2,000	2,185			4,570	102,980		14,144	125,879
Manufacturing - Wood Products						30			30
Manufacturing - Petrochemical					5,200	32,000		4,000	41,200
Other Manufacturing		314			15				329
Institutional & Government Subtotal	4,958	11,623	1,140	157	897	657	116	429	19,977
Education	2,374	3,696	411	59	52	34			6,626
Health	985	7,796	729	98	845	623	116	378	11,570
Government buildings	1,599	131						51	1,783
Infrastructure Subtotal	8,277	33,137	4,411	653	1,199	5,557	432	21,636	75,302
Utilities	6,013	14,303	2,294	568	910	3,998	387	21,503	49,97
Roads & Highways	496	10,807	1,967	85	289	280	45	133	14,102
Other Transportation	1,768	8,027	150			1,279			11,224
Grand Total	30,974	102,838	18,915	6,582	16,749	160,923	6,895	44,770	388,640

Exhibit 2.4 Estimated Cost Trends in B.C. Major Projects, by Project Status (\$ M)										
Status	2021Q1	2021Q2	2021Q3	2021Q4	2022Q1	Change from the previous quarter	Change from the previous year			
Proposed	222,925	220,434	226,006	219,096	219,549	0.2%	-1.5%			
Construction started	125,962	125,173	134,469	136,013	135,387	-0.5%	7.5%			
Completed	3,370	4,345	1,827	2,350	2665	13.4%	-20.9%			
On hold	31,382	31,428	31,106	31,110	31,045	-0.2%	-1.1%			
Grand Total	383,639	381,380	393,408	388,569	388,646	0.0%	1.3%			

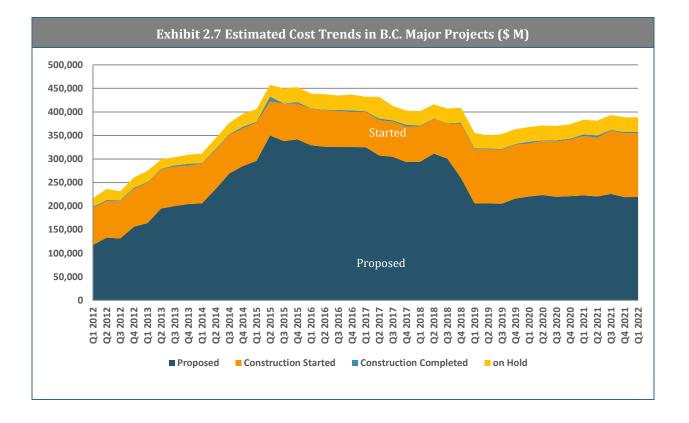
The value of completed projects increased from the fourth quarter of 2022 to \$2.67 B in Q1 2022. Notable projects completed was Ponderosa Residential Development (\$1 B) in Peachland.

Exhibit 2.5	Summary of B.C. Major Projects	(by Project Status)
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	Estimated Capital Cost (\$M)	Percentage of Total	Number of Projects	Average Project Value (\$ M)	Average Years in Inventory
Proposed	219,549	56%	521	476	6.4
Preliminary/Feasibility	65,037	17%	114	699	5.2
Consultation/Approvals	72,973	19%	219	372	7.7
Permitting	43,993	11%	43	1100	4.1
Tender/Preconstruction	16,705	4%	88	201	2.9
Stage Unknown	20,841	5%	57	425	11.3
On Hold	31,045	8%	60	564	13.7
Construction Started	135,387	35%	349	404	6.5
Completed	2665	1%	29	95	4.8
Total	388,646	100%	959	442	6.9

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 details provided in Exhibit 2.6.

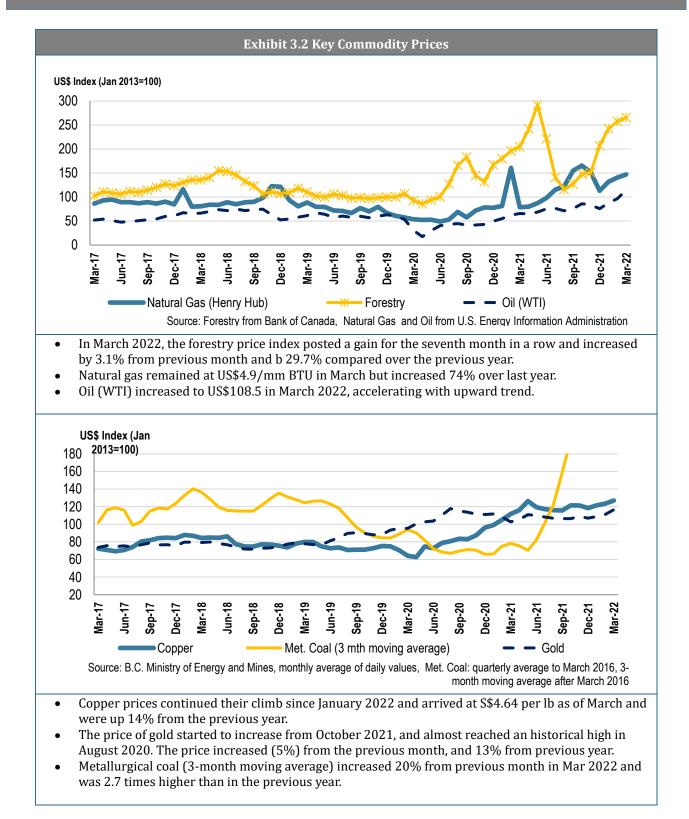
Exhibit 2.	6 Estimated	Cost of Regio	nal Major P	rojects, by	Project Sta	atus (\$ M)	
Development Region	Proposed	Construction started	Completed	On Hold	Total	Total change from the previous quarter	Total change from the previous year
Vancouver Island/Coast	14,549	10,897	56	5,472	30,974	0.6%	-0.3%
Mainland/ Southwest	56,099	45,141	1,226	372	102,838	0.3%	14.9%
Thompson-Okanagan	4,204	10,824	1,383	2,504	18,915	0.0%	-4.6%
Kootenay	2,629	2,533	0	1,420	6,582	-0.5%	-13.9%
Cariboo	11,907	4,742	0	100	16,749	-0.3%	-0.2%
North Coast	111,061	37,881	0	11,981	160,923	0.1%	-3.3%
Nechako	4,433	267	0	2,195	6,895	0.0%	-1.1%
Northeast	14,667	23,102	0	7,001	44,770	-1.0%	-1.6%
Total	219,549	135,387	2,665	31,045	388,646	0.0%	1.3%

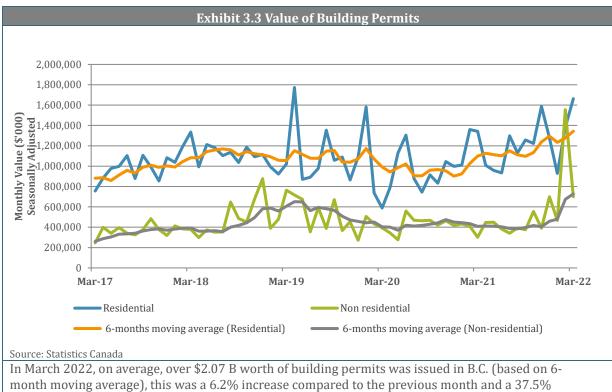


## 3. B.C. Economy

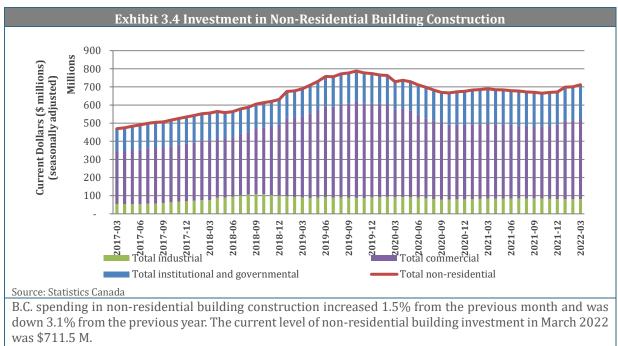
	2021	2022	2023	2024
Real GDP	+5.0 %	+4.0%	+2.5 %	+2.1 %
ource: B.C. Budget and Fiscal Plan 2022/23 – 2024/25				
	Amount	Change fro previous month	m Change from previous yea	Data Ivpe
Retail trade (\$ M)	8,275	0.30%	0.70%	seasonally adjusted
Manufacturing sales (\$ M)	5,943	3.50%	10.80%	seasonally adjusted
Residential - building permits (\$ M)	1,664	20.40%	23.90%	seasonally adjusted
Residential - housing starts (units)	32,601	-6.90%	-54.10%	seasonally adjusted at annual rates
Non-Residential building permits (\$ M)	699	-55.00%	131.50%	seasonally adjusted
Exports - all merchandise (\$ M)	6,142	28%	37.40%	seasonally adjusted
	Prices			
B.C. Consumer price index (2002=100)	143	0.70%	2.00%	not seasonally adjusted
Exchange rate	US 0.79	0.50%	-0.70%	not seasonally adjusted
Average 5-year residential mortgage rate	3.77%	0.19p.p.	0.51p.p.	not seasonally adjusted
	Labour Market			
Employment	2,737,800	0.40%	2.80%	seasonally adjusted
Unemployment rate	5.10%	0.2p.p.	-1.7p.p.	seasonally adjusted
Participation rate	65.40%	0.3p.p.	-0.7p.p.	seasonally adjusted
Average weekly earnings (current dollars)	1141.25	0.70%	5.10%	not seasonally adjusted

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

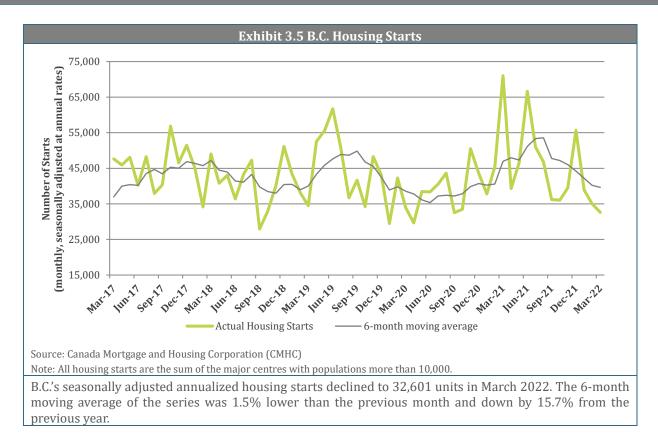


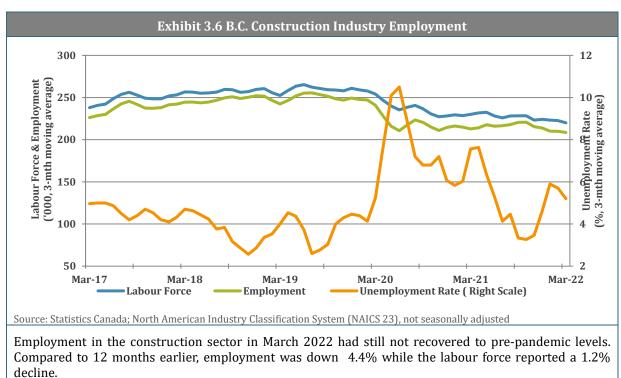


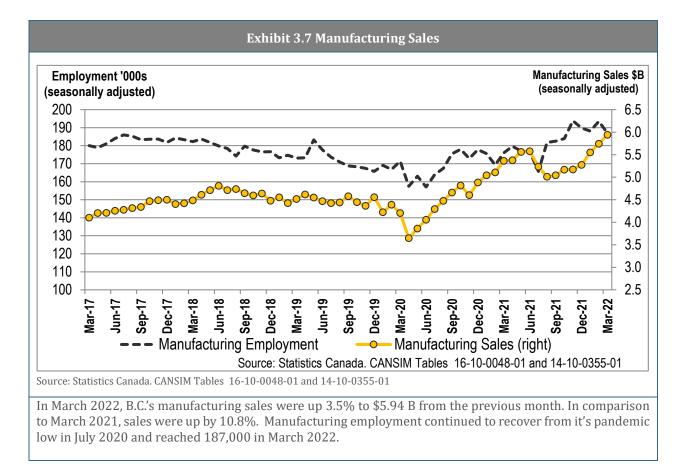
increase compared to the same month in the previous year.



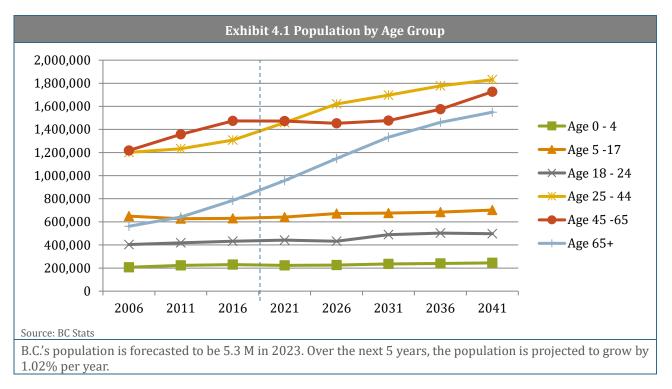
Note that this is building investment only and does not include infrastructure investment.







## B.C. DEMOGRAPHICS

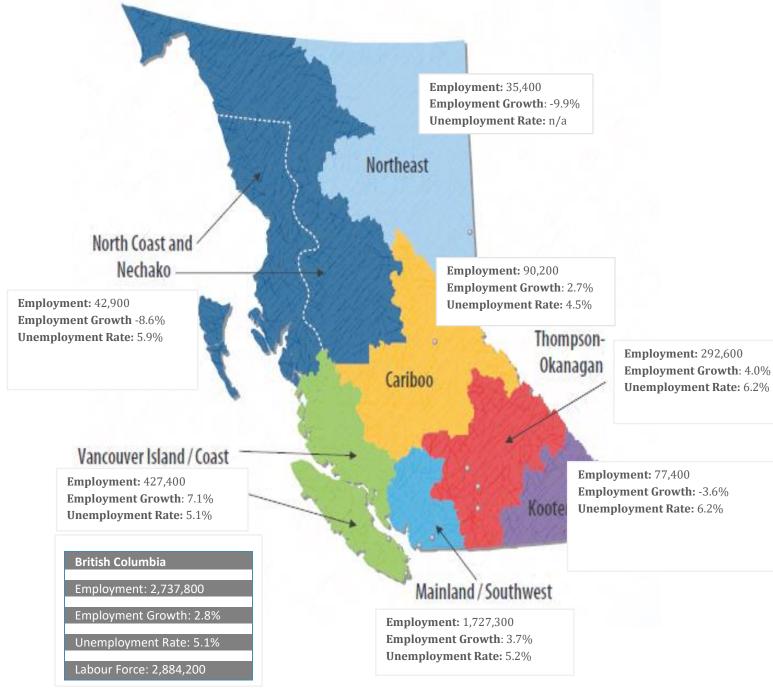


### 4. B.C. Demographics

## **REGIONAL SUMMARIES**

### 5. Regional Summaries

Regional Labour Market Statistics – March 2022

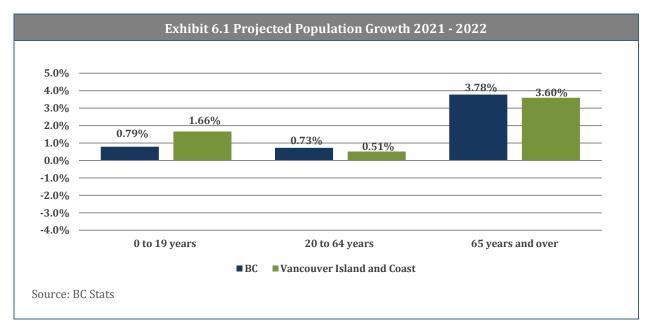


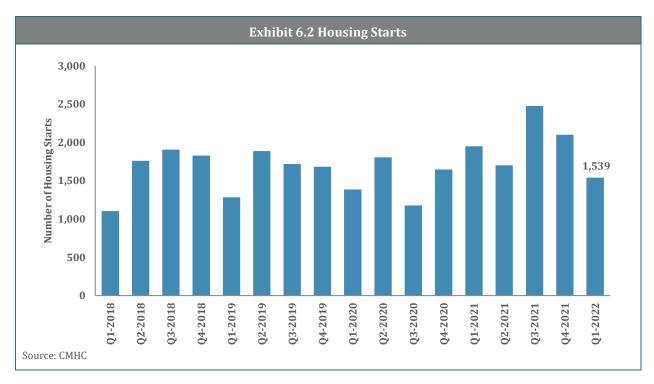
Note: Employment growth is over the previous 12 months. Data for B.C. at the provincial level is seasonally adjusted. Data for the regions is not seasonally adjusted and is based on 3-month moving averages. This means that the data at the provincial level is not directly comparable to the regional data,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

## VANCOUVER ISLAND/COAST REGION

## 6. Vancouver Island/Coast Region

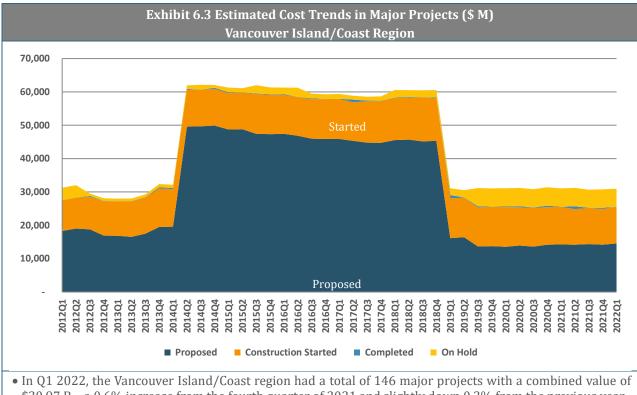
### **Key Economic Indicators**





## VANCOUVER ISLAND/COAST REGION

### **Trends in Major Projects**



\$30.97 B – a 0.6% increase from the fourth quarter of 2021 and slightly down 0.3% from the previous year.

• There were 4 newly proposed projects added to the MPI this quarter: Highway Flood Recovery Projects -Malahat (\$295 M), North Island College Student Housing (\$66 M) in Courteney, South Langford Elementary (\$41 M) in Sooke and Central Block Condominium (\$20 M) in Saanich.

• There were 5 projects that began construction in this quarter, the top project is Comox-Puntledge Flow Control Improvements Project (\$46 M) in Comox.

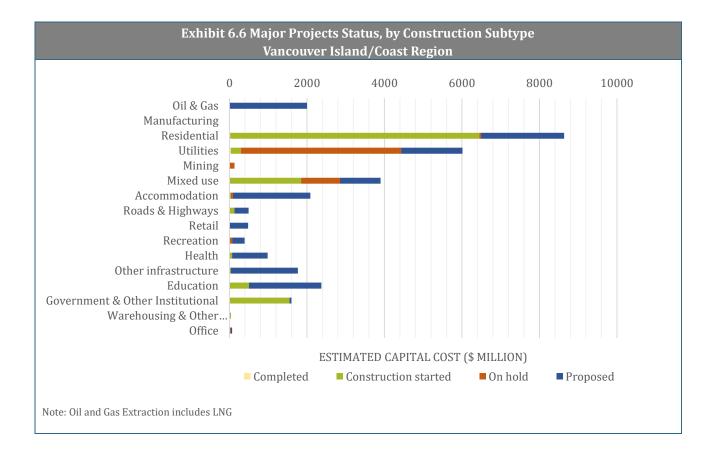
Exhibi	Exhibit 6.4 Estimated Cost Trends in Major Projects, by Project Status (\$M) Vancouver Island/Coast Region										
Status	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Change from the previous quarter	Change from the previous year				
Proposed	14,257	14,194	14,392	14,197	14,549	2.5%	2.0%				
Construction started	11,260	10,654	10,839	10,754	10,897	1.3%	-3.2%				
Completed	53	860	43	329	56	-83.0%	5.7%				
On hold	5,508	5,508	5,428	5,497	5,472	-0.5%	-0.7%				
Total	31,078	31,216	30,702	30,777	30,974	0.6%	-0.3%				

<sup>•</sup> Two projects were completed: \$36 M Puntledge Recoat Interior and Exterior of Steel Penstock Project in Comox Area, and Esquimalt Village Project (20 M) in Esquimalt.

## VANCOUVER ISLAND/COAST REGION

Exhibit 6.5 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	14,549	47%	76	217	7.4					
Preliminary/Feasibility	2,947	20%	12	268	6.7					
Consultation/Approvals	5,706	39%	34	204	7.8					
Permitting	1279	9%	8	160	4.1					
Tender/Preconstruction	1,337	9%	9	149	3.3					
Stage Unknown	3280	23%	13	298	11.7					
On hold	5,472	18%	14	421	12.5					
Construction started	10,897	35%	54	202	7.5					
Completed	56	0%	2	28	4.5					
Total	30,974	100%	222	225	7.7					

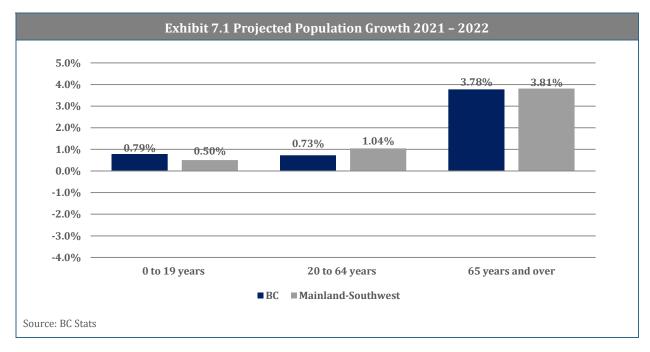
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.



## MAINLAND/SOUTHWEST REGION

## 7. Mainland/Southwest Region

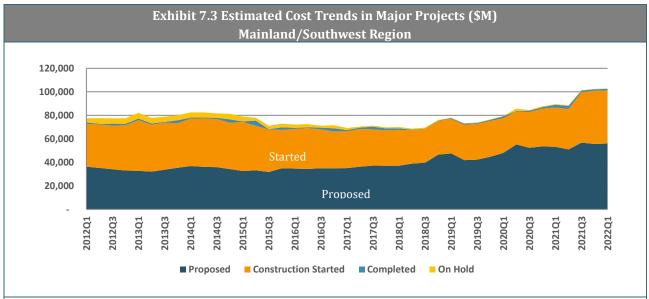
### **Key Economic Indicators**





## MAINLAND/SOUTHWEST REGION

### **Trends in Major Projects**



- In Q1 2022, the Mainland/Southwest region had a total of 526 major projects with a combined value of \$102.8 B, representing a 0.3% increase from the previous quarter and a 14.9% increase compared to the previous year.
- There were 20 newly proposed projects added to the MPI this quarter. The three top valued projects were: BCIT Trades & Technology Centre (\$163 M) in Burnaby, Delta Grinding Facility (\$142 M) in Delta, and Emerald City Condominium Development in Surrey (\$140 M) in Burnaby. See more new projects in Appendix 1.
- Twenty-one major projects were completed in the first quarter. Notable projects were Bremner/Trio Hydro Project (\$230 M) in Harrison Hot Springs, Walmart Distribution Centre (\$175 M) in Surrey and BCIT Health Sciences Centre for Advanced Simulation (\$88 M) in Burnaby. See more completed projects in Appendix 3.
- Nine major projects began construction this quarter, \$400 M North Harbour Waterfront Condominiums in North Vancouver, SOCO Condominium (\$90 M) in Burnaby and Station Access and Safety Project (\$74 M) in Metro Vancouver are top-value projects in this quarter. See more projects underway in Appendix 2.

Exhibit 7.4 Estimated Cost Trends in Major Projects, by Project Status (\$ M) Mainland/Southwest Region									
Status	2021Q1	2021Q2	2021Q3	2021Q4	2022Q1	Change from the previous quarter	Change from the previous year		
Proposed	53,230	51,035	56,750	55,625	56,099	0.9%	5.4%		
Construction started	33,472	34,222	43,072	45,250	45,141	-0.2%	34.9%		
Completed	2,218	2,754	1,212	1,314	1,226	-6.7%	-44.7%		
On hold	548	594	352	332	372	12.0%	-32.1%		
Grand Total	89,468	88,605	101,386	102,521	102,838	0.3%	14.9%		
Grand Total	89,468	88,605	101,386	102,521	102,838	0.3%			

## MAINLAND/SOUTHWEST REGION

#### Exhibit 7.5 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
56,099	55%	270	208	5.0
19,135	19%	106	181	6.4
3,978	4%	25	159	2.9
21,371	21%	54	396	4.5
3,623	4%	63	58	2.0
7,992	8%	22	363	10.8
372	0%	9	41	10.6
45,141	44%	184	245	5.2
1,226	1%	20	61	4.7
102,838	100%	483	213	5.2
	Cost (\$ million) 56,099 19,135 3,978 21,371 3,623 7,992 372 372 45,141 1,226	Cost (\$ million)         Percentage of lotal           56,099         55%           19,135         19%           3,978         4%           21,371         21%           3,623         4%           7,992         8%           45,141         44%	Cost (\$ million)         Percentage of lotal         Number of Projects           56,099         55%         270           19,135         19%         106           3,978         4%         25           21,371         21%         54           3,623         4%         63           7,992         8%         22           372         0%         9           45,141         44%         184	Cost (\$ million)         Percentage of lotal         Number of Projects         Value (\$ million)           56,099         55%         270         208           19,135         19%         106         181           3,978         4%         25         159           21,371         21%         54         396           3,623         4%         63         58           7,992         8%         22         363           372         0%         9         41           45,141         44%         184         245           1,226         1%         20         61

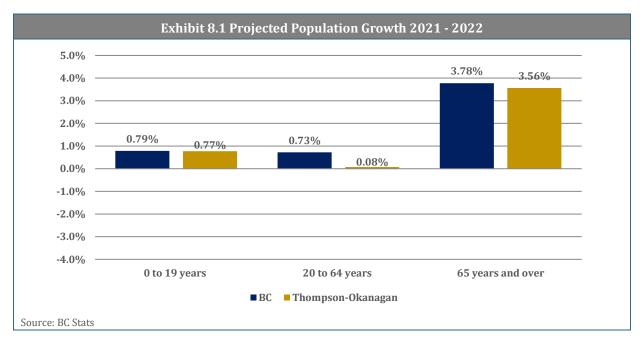
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.



## THOMPSON - OKANAGAN REGION

### 8. Thompson - Okanagan Region

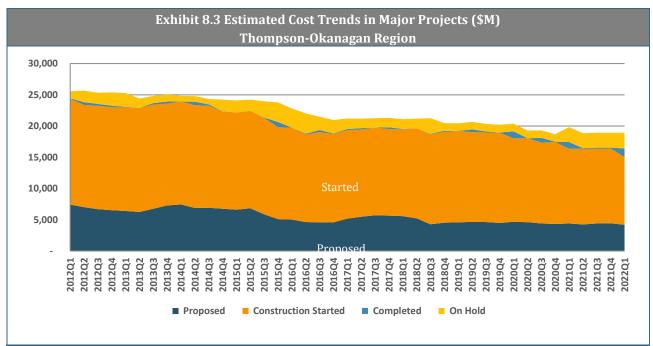
### **Key Economic Indicators**





### THOMPSON - OKANAGAN REGION

### **Trends in Major Projects**



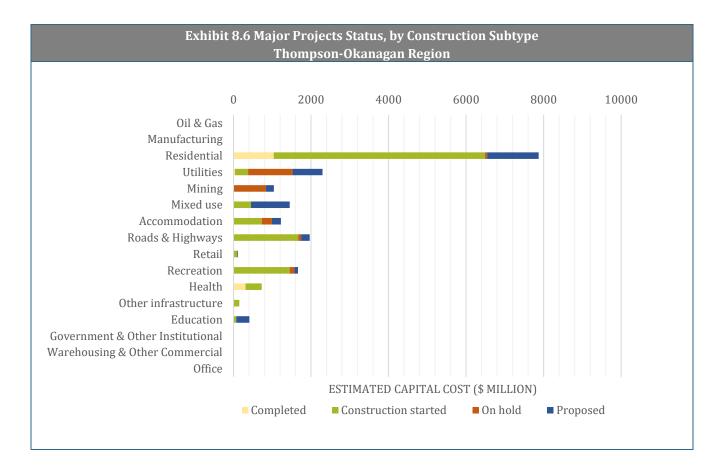
- In Q1 2022, the Thompson-Okanagan region had a total of 101 major projects with a combined value of \$18.9 B, the same level as the previous quarter and a decrease of 4.6% compared to the previous year.
- There were 5 newly proposed projects added to the MPI this quarter, including two Highway Flood Recovery Projects: Coquihalla and Canyon from Othello to Merrit. See more new projects in Appendix 1.
- There were six projects completed: including \$1 B Ponderosa Residential Development in Peachland, Penticton Regional Hospital Patient Care Tower (\$312 M) in Penticton and Benvoulin Court Affordable Housing (\$20 M) in Kelowna. See more new projects in Appendix 3.
- Three major projects began construction in this quarter, the top valued project was Highway 1 Four-Laning Ford Road to Tappen (\$243 M). See more projects underway in Appendix 2.
- \$75 M Central Okanagan Multi-Modal Corridor in Kelowna was placed on hold in this quarter.

Exhibit 8.4 Estimated Cost Trends in Major Projects, by Project Status (\$ M) Thompson-Okanagan Region									
Status	2021Q1	2021Q2	2021Q3	2021Q4	2022Q1	Change from the previous quarter	Change from the previous year		
Proposed	4,407	4,258	4,397	4,436	4,204	-5.2%	-4.6%		
Construction started	11,951	12,104	11,968	11,983	10,824	-9.7%	-9.4%		
Completed	1080	91	186	110	1383	1157.3%	28.1%		
On hold	2,384	2,384	2,384	2,384	2,504	5.0%	5.0%		
Grand Total	19,822	18,837	18,935	18,913	18,915	0.0%	-4.6%		

## THOMPSON - OKANAGAN REGION

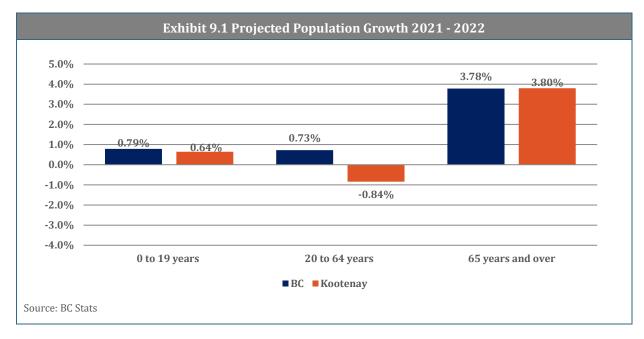
Exhibit 8.5 Summary of Major Projects (by Project Status) Thompson-Okanagan Region									
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory				
Proposed	4,204	22%	32	131	7.5				
Preliminary/Feasibility	1135	6%	11	103	4.5				
Consultation/Approvals	2,526	13%	12	211	10.3				
Permitting	150	1%	1	150	17.1				
Tender/Preconstruction	154	1%	4	39	0.5				
Stage Unknown	239	1%	4	60	11.7				
On hold	2,504	13%	9	278	15.9				
Construction started	10,824	57%	46	235	9.7				
Completed	1383	7%	6	231	4.9				
Total	18,915	100%	93	203	9.2				

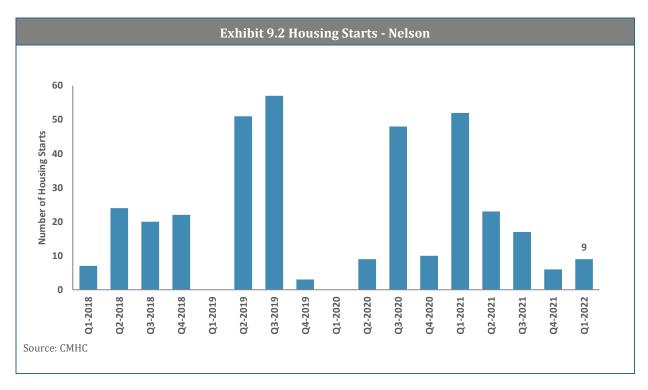
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.



## 9. Kootenay Region

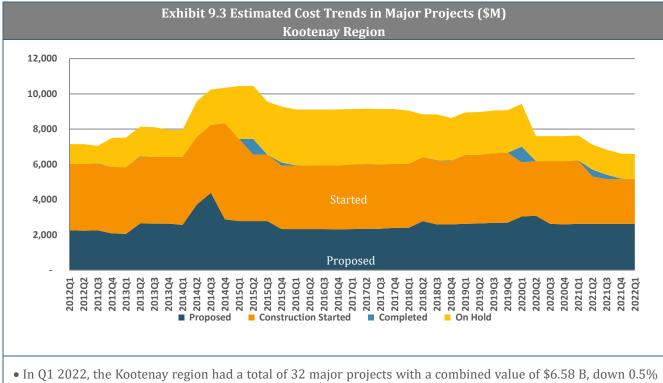
### **Key Economic Indicators**





## KOOTENAY REGION

### **Trends in Major Projects**



• In Q1 2022, the Kootenay region had a total of 32 major projects with a combined value of \$6.58 B, down 0.5% from the previous quarter. This also represents a 13.9% decrease compared to the previous year.

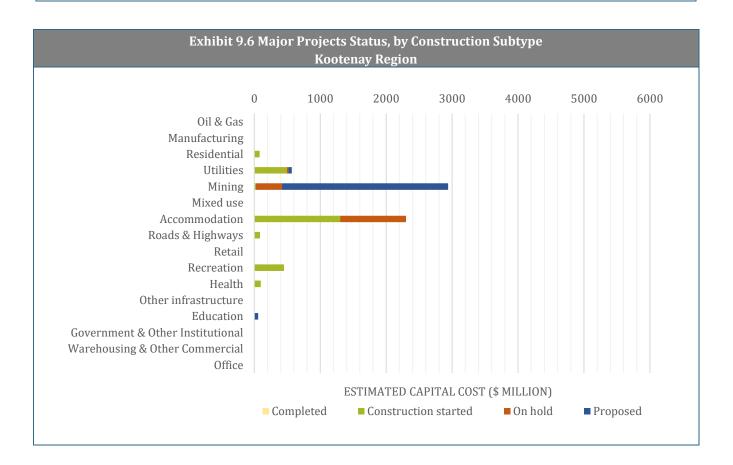
Exhibit 9.4 Estimated Cost Trends in Major Projects, by Project Status (\$M) Kootenay Region									
Status	2021Q1	2021Q2	2021Q3	2021Q4	2022Q1	Change from the previous quarter	Change from the previous year		
Proposed	2,628	2,628	2,629	2,629	2,629	0.0%	0.0%		
Construction started	3,574	2,674	2,532	2,533	2,533	0.0%	-29.1%		
Completed	19	400	250	32	-	n.a	n.a		
On hold	1,420	1,420	1,420	1,420	1,420	0.0%	0.0%		
Grand Total	7,641	7,122	6,831	6,614	6,582	-0.5%	-13.9%		

## **KOOTENAY REGION**

#### Exhibit 9.5 Summary of Major Projects (by Project Status) Kootenay Region

		Rootenay Reg			
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	2,629	40%	7	376	7.4
Preliminary/Feasibility	34	1%	1	34	3.8
Consultation/Approvals	2,520	38%	4	630	11.5
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	25	0%	1	25	0.6
Stage Unknown	50	1%	1	50	12.3
On hold	1,420	22%	3	473	15.8
Construction started	2,533	38%	19	133	11.5
Completed	0	0%	0	0	0.0
Total	6,582	100%	29	227	10.6

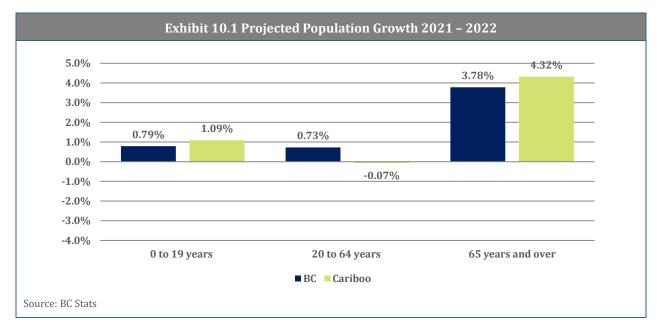
Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.



## CARIBOO REGION

### 10. Cariboo Region

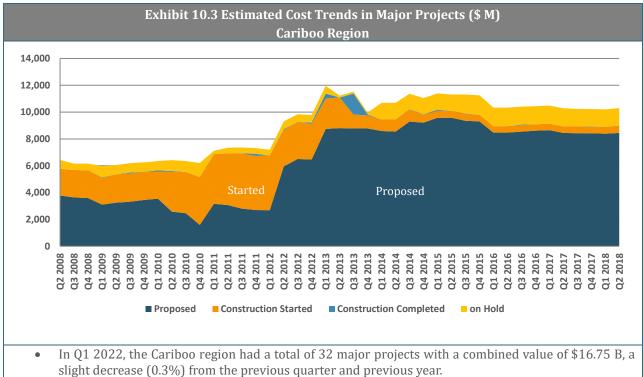
### **Key Economic Indicators**





## CARIBOO REGION

### **Trends in Major Projects**



• Simon Fraser Bridge Rehabilitation (\$21 M) in Prince George and Cariboo Road Recovery Projects in Quesnel area started construction in Q1..

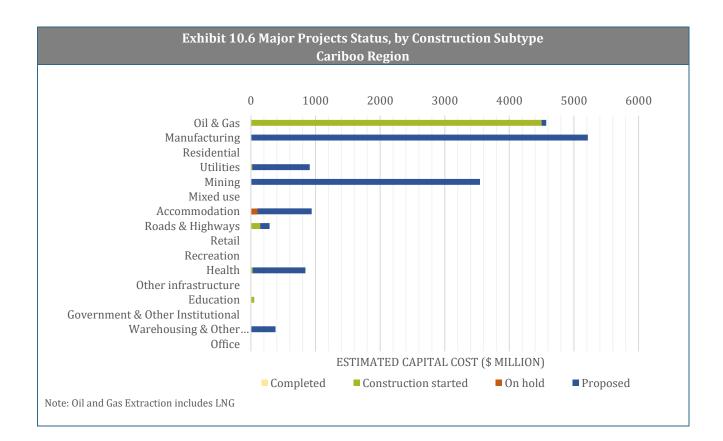
Exhibit 10.4 Estimated Cost Trends in Major Projects, by Project Status (\$M) Cariboo Region									
Status	2021Q1	2021Q2	2021Q3	2021Q4	2022Q1	Change from the previous quarter	Change from the previous year		
Proposed	11,864	11,780	11,761	11,782	11,907	1.1%	0.4%		
Construction started	4619	4702	4721	4721	4742	0.4%	2.7%		
Completed	0	20	0	0	0	n.a	n.a		
On hold	300	300	300	300	100	-66.7%	-66.7%		
Grand Total	16,783	16,802	16,782	16,803	16,749	-0.3%	-0.2%		

## CARIBOO REGION

### Exhibit 10.5 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	11,907	71%	21	567	9.0
Preliminary/Feasibility	7,092	42%	6	1182	5.6
Consultation/Approvals	4,685	28%	11	426	9.4
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	60	0%	1	60	23.1
Stage Unknown	70	0%	3	23	13.0
On hold	100	1%	1	100	22.1
Construction started	4742	28%	7	677	4.1
Completed	0	0%	0	0	0.0
Total	16,749	100%	29	578	8.4

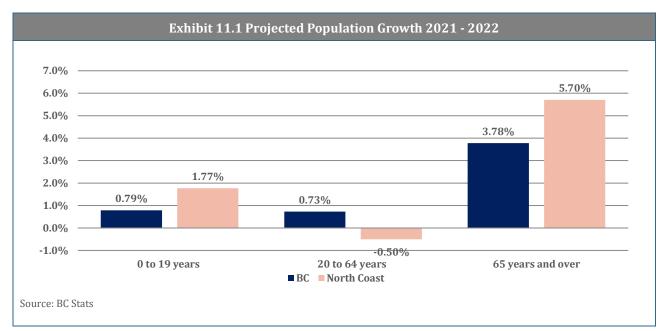
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

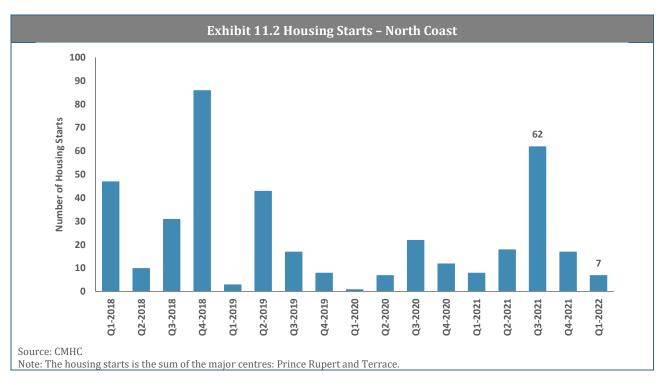


## NORTH COAST REGION

### 11. North Coast Region

### **Key Economic Indicators**





## NORTH COAST REGION

#### **Trends in Major Projects**

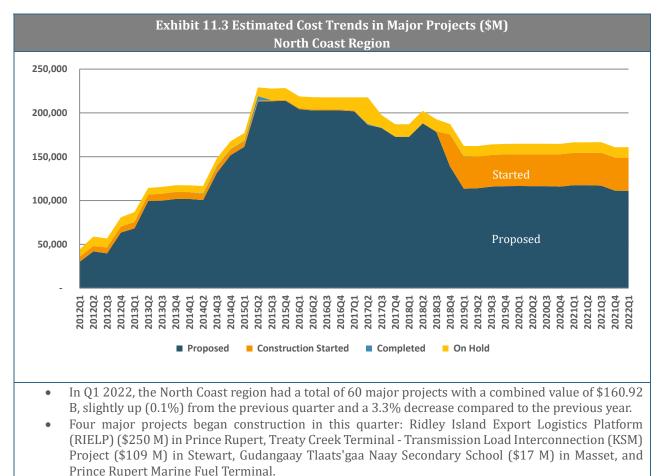


Exhibit 11.4 Estimated Cost Trends in Major Projects, by Project Status (\$M) North Coast Region										
Status	2021Q1	2021Q2	2021Q3	2021Q4	2022Q1	Change from the previous quarter	Change from the previous year			
Proposed	117,442	117,442	116,977	111,327	111,061	-0.2%	-5.4%			
Construction started	36,937	36953	37505	37505	37881	1.0%	2.6%			
Completed	0	0	104	0	0	n.a	n.a			
On hold	11,981	11,981	11,981	11,981	11,981	0.0%	0.0%			
Grand Total	166,360	166,376	166,567	160,813	160,923	0.1%	-3.3%			

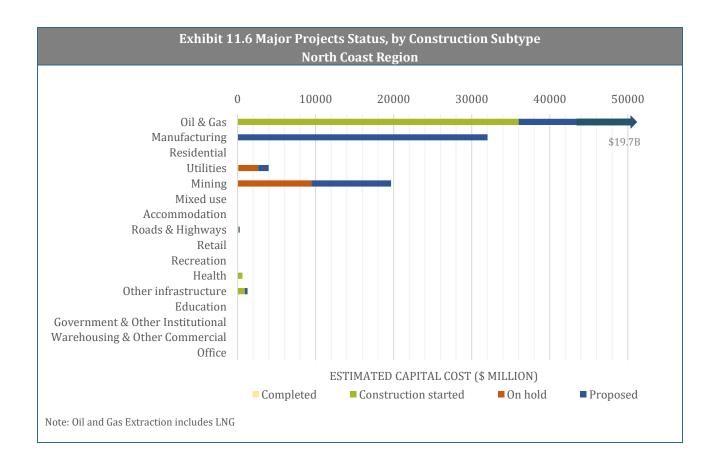
Q1 2022

# NORTH COAST REGION

#### Exhibit 11.5 Summary of Major Projects (by Project Status) North Coast Region

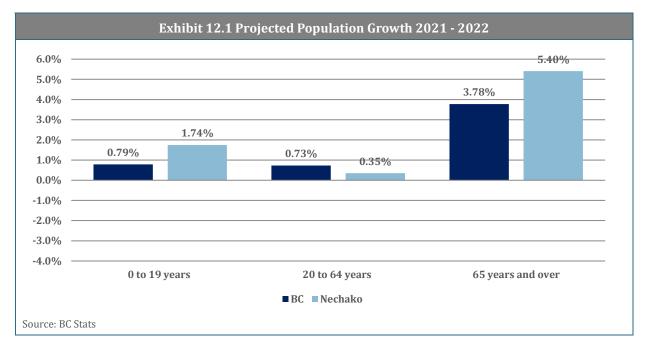
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	111,061	69%	31	3,583	9.1
Preliminary/Feasibility	29,083	18%	7	4,155	8.0
Consultation/Approvals	29,823	19%	16	1,864	9.1
Permitting	35,650	22%	3	11,883	6.7
Tender/Preconstruction	11,300	7%	2	5650	11.3
Stage Unknown	5,205	3%	3	1,735	10.8
On hold	11,981	7%	7	1,712	15.3
Construction started	37,881	24%	12	4,167	3.3
Completed	0	0%	0	0	0.0
Total	160,923	100%	50	3,218	8.9

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.



# 12. Nechako Region

#### **Key Economic Indicators**



## NECHAKO REGION

#### **Trends in Major Projects**

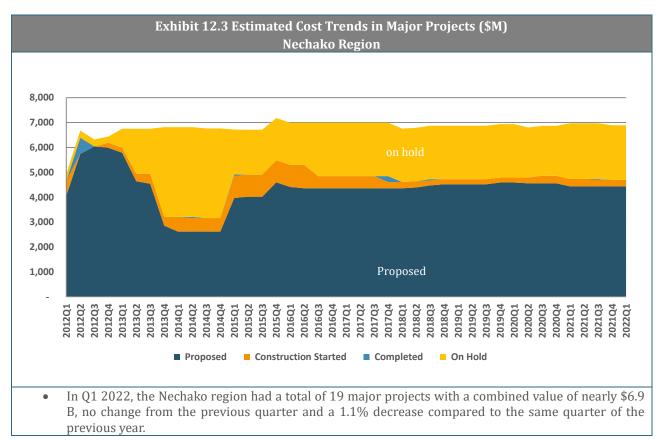


Exhibit 12.4 Estimated Cost Trends in Major Projects, by Project Status (\$M) Nechako Region										
Status	2021Q1	2021Q2	2021Q3	2021Q4	2022Q1	Change from the previous quarter	Change from the previous year			
Proposed	4,433	4,433	4,433	4,433	4,433	0.0%	0.0%			
Construction started	299	299	267	267	267	0.0%	-10.7%			
Completed	0	0	32	0	0	n.a	n.a			
On hold	2,240	2,240	2,240	2,195	2,195	0.0%	-2.0%			
Grand Total	6,972	6,972	6,972	6,895	6,895	0.0%	-1.19			

## NECHAKO REGION

#### Exhibit 12.5 Summary of Major Projects (by Project Status)

		Nechako Reg	gion		
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	4,433	64%	12	369	11.8
Preliminary/Feasibility	875	13%	2	438	15.3
Consultation/Approvals	676	10%	6	113	11.1
Permitting	1416	21%	1	1416	9.8
Tender/Preconstruction	166	2%	2	83	10.8
Stage Unknown	1,300	19%	1	1300	12.6
On hold	2,195	32%	4	549	17.7
Construction started	267	4%	2	134	6.0
Completed	0	0%	0	0	0.0
Total	6,895	100%	18	383	12.5

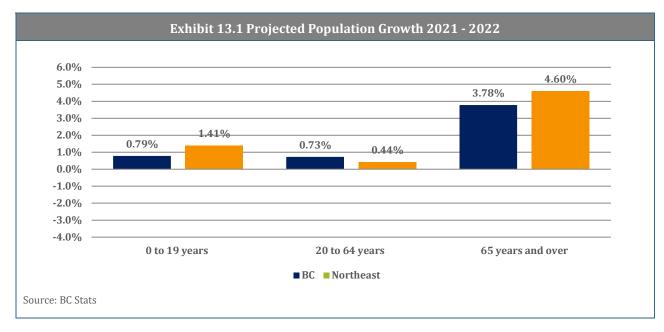
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

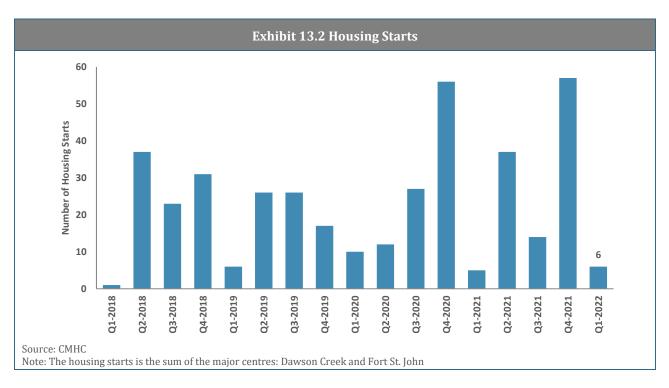


## NORTHEAST REGION

### 13. Northeast Region

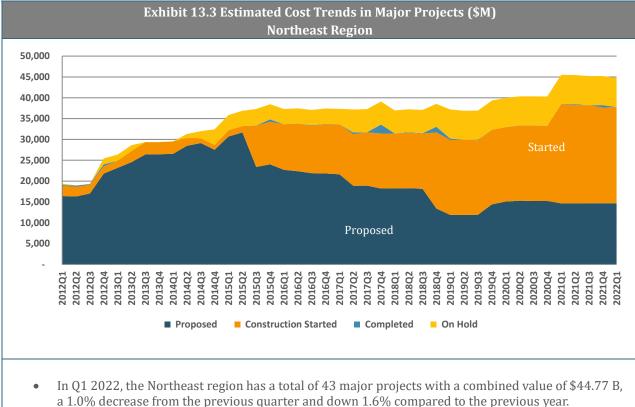
#### **Key Economic Indicators**





### NORTHEAST REGION

#### **Trends in Major Projects**



Hydrogen Electrolyzer Plant (\$200 M) in Chetwynd was newly proposed in this quarter.

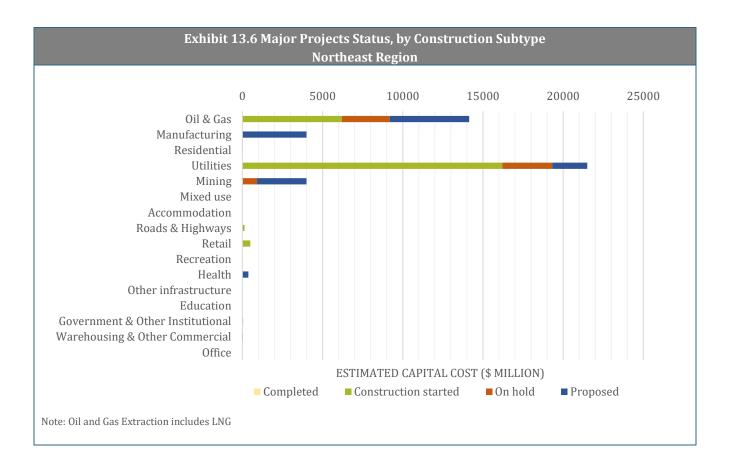
Northeast Region									
	2021Q1	2021Q2	2021Q3	2021Q4	2022Q1	Change from the previous quarter	Change from the previous year		
Proposed	14,664	14,664	14,667	14,667	14,667	0.0%	0.0%		
Construction started	23,850	23,565	23,565	23,000	23,102	0.4%	-3.1%		
Completed	0	220	0	565	0	-100.0%	n.a		
On hold	7,001	7,001	7,001	7,001	7,001	0.0%	0.0%		
Grand Total	45,515	45,450	45,233	45,233	44,770	-1.0%	-1.6%		

## NORTHEAST REGION

#### Exhibit 13.5 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	14,667	33%	21	698	9.3
Preliminary/Feasibility	2500	6%	1	2500	2.3
Consultation/Approvals	7,902	18%	13	608	9.9
Permitting	1,520	3%	2	760	4.8
Tender/Preconstruction	40	0%	1	40	8.8
Stage Unknown	2705	6%	4	676	11.1
On hold	7,001	16%	9	778	11.6
Construction started	23,102	52%	11	2100	5.9
Completed	0	0%	0	0	0.0
Total	44,770	100%	41	1092	8.9

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.



# Appendices

	New Proposed Proj	ects (January – March 2022)	
Region	Municipality	Project	Estimated Cost (\$ Million)
	Courtenay	Student Housing	66
	,	Highway Flood Recovery Projects -	
Vancouver Island/Coast	Goldstream	Malahat	295
	Saanich	Central Block Condominium	20
	Sooke	South Langford Elementary	41
	Annacis Island	Annacis Auto Terminal (AAT)	43
	Burnaby	Contour Metrotown Condominium	22
		BCIT Trades & Technology	163
	Coquitlam	West on Austin	38
	Delta	Delta Grinding Facility	142
		Highway Flood Recovery Projects - Fraser	
	Fraser Valley	Canyon	
	Langley	Smith Area Middle Secondary School	47
	North Vancouver	Student Housing	58
		Seymour Estates	42
Mainland/Southwest	Port Moody	Moody Yards Condominiums	20
-		Chroma Condominiums	20
	Surrey	King George Boulevard Condominiums	65
		Hendrix Condominium	
		Midrise Condominiums	34
		Georgetown 2 Condominium	40
		Emerald City Condominium Development	140
		Office Building	20
	Vancouver	West Wind Highrise Condominium	35
		UBC - Recreation Centre North	66
	West Vancouver	Hawksley Condominium	20
	Kelowna	Clement Ave Extension (formerly Multi-	
		modal Corridor)	
		The Anacapri Condominium	20
Thomason Okanagan	Othello To Merrit	Highway Flood Recovery Projects -	
Thompson-Okanagan		Highway 1 (Canyon)	
		Highway Flood Recovery Projects -	
		Highway 5 (Coquihalla)	
	Penticton	Beach House Condominium	20
Northeast	Chetwynd	Hydrogen Electrolyzer Plant	200
Total			1,677

	Const	ruction Started (January – March 2022)		
Region	Municipality	Project	Completion Date	Estimated Cost (\$ Million)
Vancouver Island/Coast	Comox	Comox-Puntledge Flow Control Improvements Project	2026-Q2	46
	Esquimalt	Pacific House Condominium	2023-Q4	17
	Nanaimo	Ocean View Seniors Facility	2023-Q2	37
	Victoria	Scott Building Condominium	2023-Q4	22
		Mod Condominium	2023-Q4	22
Mainland/Southwest	Burnaby	SOCO Condominium	2024-Q4	90
	Coquitlam	Cardinal Condominium	2023-Q4	28
	Langley	Camden Lowrise Condominium	2022-Q4	
	Metro Vancouver	Station Access and Safety Project	2027-Q4	74
	North Vancouver	North Harbour Waterfront Condominiums	2026-Q4	400
		Parkside at Lynn Mixed use Development	2024-Q4	60
	Richmond	Park Residences 2 Condominium	2025-Q2	45
	Surrey	King George Hwy Affordable Housing	2023-Q2	50
	Vancouver	Coal Harbour Elementary	2024-Q3	42
Thompson- Okanagan	Kamloops	Parkcrest Elementary (SPP Replacement)	2024-Q1	35
	Merritt Area	Highway Flood Recovery Projects - South Okanagan		
	Tappen	Highway 1 Four-Laning - Ford Road to Tappen	2024-Q4	243
Cariboo	Prince George	Simon Fraser Bridge Rehabilitation	2022-Q4	21
North Coast	Masset	Gudangaay Tlaats'gaa Naay Secondary School	2023-Q2	17
	Prince Rupert	Prince Rupert Marine Fuel Terminal	2023-Q1	
		Ridley Island Export Logistics Platform (RIELP)	2024-Q4	250
	Stewart	Treaty Creek Terminal - Transmission Load Interconnection (KSM) Project	2026-Q2	109
Total				1,608

Region:	Municipality:	on Completed (January – March 2022) Project:	Estimate
			Cos
			(\$ Million
Vancouver	Comox Area	Puntledge Recoat Interior and Exterior of Steel Penstock	3
Island/Coast		Project	
	Esquimalt	Esquimalt Village Project	2
Mainland /Southwest	Abbotsford	Academic Building Renewal	2
	Burnaby	Sussex Highrise Condominium	4
		BCIT Health Sciences Centre for Advanced Simulation	8
		Station Square Redevelopment	8
	Coquitlam	Coquitlam Transfer Station	7
		Wynwood Green Condominiums	4
	Harrison Hot Springs	Bremner/Trio Hydro Project	23
	Langley	Foundry Townhouses	2
		The Wesley Lowrise Condominium	2
	New Westminster	Richard McBride Elementary School Replacement	3
	North Vancouver	Handsworth Secondary School Replacement	6
		Belle Isle Townhomes	2
	Richmond	Cascade City	4
	Surrey	Walmart Distribution Centre	17
		Linea Condominium	2
	Vancouver	VAHA Affordable Housing	
		Avalon 3 Condominium	5
		Downtown Vancouver Electricity Supply: West End Strategic Property Purchase	7
		Condominium Development - 1335 Howe Street	4
		601 Hastings Office Tower	2
		Avalon Park - River District	4
Thompson-Okanagan	Clinton	Peace Region to Kelly Lake - Reactor Replacement (Phase I) Project	1
	Kamloops	Kamloops Affordable Housing	1
	Kelowna	Benvoulin Court Affordable Housing	2
	Peachland	Ponderosa Residential Development	100
	Penticton	Penticton Regional Hospital - Patient Care Tower	31
	Revelstoke	Revelstoke Replace Downie Slide Instrumentation	
Total			2,66

Category	Proposed	Construction started	Completed	On hold	Total
Oil & Gas	46,195	76,700	565	2,984	126,444
Manufacturing	41,387	30	0	0	41,417
Residential	16,401	22,530	768	229	39,928
Utilities	18,185	20,351	221	11,235	49,992
Mining	23,540	325	0	13,967	37,832
Mixed use	3,850	10,776	260	1,000	15,886
Accommodation	7,682	2,153	0	1,421	11,256
Roads & Highways	5,550	8,179	367	0	14,096
Retail	615	8,940	0	0	9,555
Recreation	6,946	2,265	0	194	9,405
Health	4,226	6,756	149	0	11,131
Other infrastructure	9,209	1,972	0	0	11,181
Education	4,414	1,871	0	0	6,285
Government & Other Institutional	124	1,655	0	0	1,779
Warehousing & Other Commercial	522	1,310	20	0	1,852
Office	250	200	0	80	530
Total	219,096	166,013	2,350	31,110	388,569

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	82	10	4	18	0	24	6	144	
2. Mainland/Southwest	349	35	6	31	4	65	15	505	
3. Thompson- Okanagan	50	12	3	17	0	8	5	95	
4. Kootenay	10	1	8	7	0	4	2	32	
5. Cariboo	5	5	8	7	3	4	0	32	
6. North Coast	2	14	24	12	4	4	0	60	
7. Nechako	1	1	13	3	0	1	0	19	
8. Northeast	3	6	14	16	2	2	0	43	
Total	502	84	80	111	13	112	28	930	

# B.C. GOVERNMENT CONTACT

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