

The Broadway Subway Project has reached a critical phase of construction with the start of tunnel excavation to connect six new underground stations on the 5.7-kilometre extension of the Millennium Line.

**Cost:** The Broadway Subway project budget is \$2.83 billion, funded and delivered by the Government of B.C., with contributions from the Government of Canada and the City of Vancouver.

# BRITISH COLUMBIA MAJOR PROJECTS INVENTORY

FIRST QUARTER 2023



Ministry of Post-Secondary Education and Future Skills

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### British Columbia Major Projects Inventory

### First Quarter 2023

Major Projects Inventory as of March 31, 2023.

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Report prepared by Labour Market Development 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.

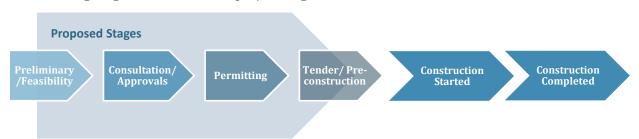
Note that cost estimates for some major projects were not available, whereas our analysis in this report includes all projects in the inventory.

#### **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.

#### **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 2023

The estimated capital cost of all 957 major projects in the first quarter of 2023 decreased from \$388.3 billion (B) in the fourth quarter of 2022 to \$366.1 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 27 new proposed projects over \$15 million (M) with available capital cost estimates equaling \$1.36 B if all the projects were to proceed. The potential capital investment for new projects has increased from \$1.03 B in the fourth quarter of 2022.

There were 21 projects that started construction in B.C., representing an estimated capital cost of \$2.34 B, up from the \$1.83 B reported in the fourth quarter of 2022. Seventeen projects completed construction in the first quarter of 2023, with an estimated capital cost of \$2.42 B compared to \$2.44 B in the previous quarter.

There were 285 projects with public funding contributions with a total capital cost of \$78.02 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, 142 projects worth a total of \$35.97 B had provincial government funding contributions.

There were 58 projects with a total estimated cost of \$120.97 B involving Indigenous communities in capacities such as project owners, project partners or benefit agreements.

Major projects currently under construction in B.C. equaled \$156.79 B, an increase from \$137.73 B in the fourth quarter of 2022. Proposed projects equaled \$174.07 B, down from \$217.96 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 \$32.77 B were judged to be 'on hold' in the first quarter of 2023, up from \$30.18 B in 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.



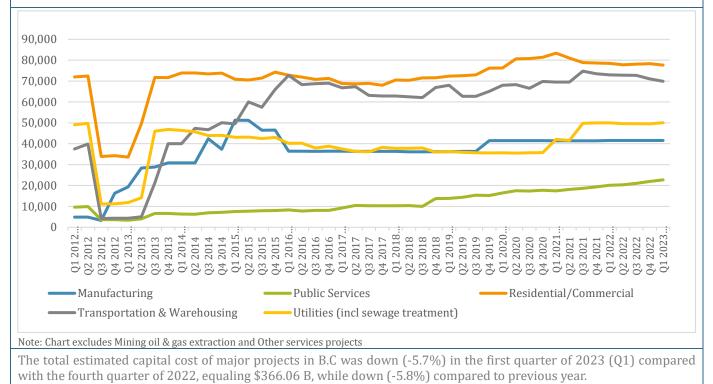
#### Figure 1 B.C. MPI Highlights

### 2. B.C. Major Projects Inventory – Q1 2023

#### By Project Category, Construction Type or Subtype

Exhibit 2.1	Estimated C	ost Trends	in B.C. Majo	or Projects, l	by Project (	Category (\$ N	M)
Project Category	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Change from the previous quarter	Change from the previous year
Mining, Oil & Gas Extraction	116,161	116,761	116,761	116,560	94,731	-18.7%	-18.4%
Residential/Commercial	78,452	77,781	78,059	78,352	77,651	-0.9%	-1.0%
Transportation & Warehousing	72,994	72,798	72,765	71,074	69,868	-1.7%	-4.3%
Manufacturing	41,559	41,559	41,559	41,559	41,559	0.0%	0.0%
Utilities	49,976	49,564	49,591	49,512	50,053	1.1%	0.2%
Public Services	20,099	20,311	21,035	21,954	22,706	3.4%	13.0%
Other Services	9,405	9,405	9,472	9,306	9,489	2.0%	0.9%
Grand Total	388,646	388,179	389,242	388,317	366,057	-5.7%	-5.8%

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.



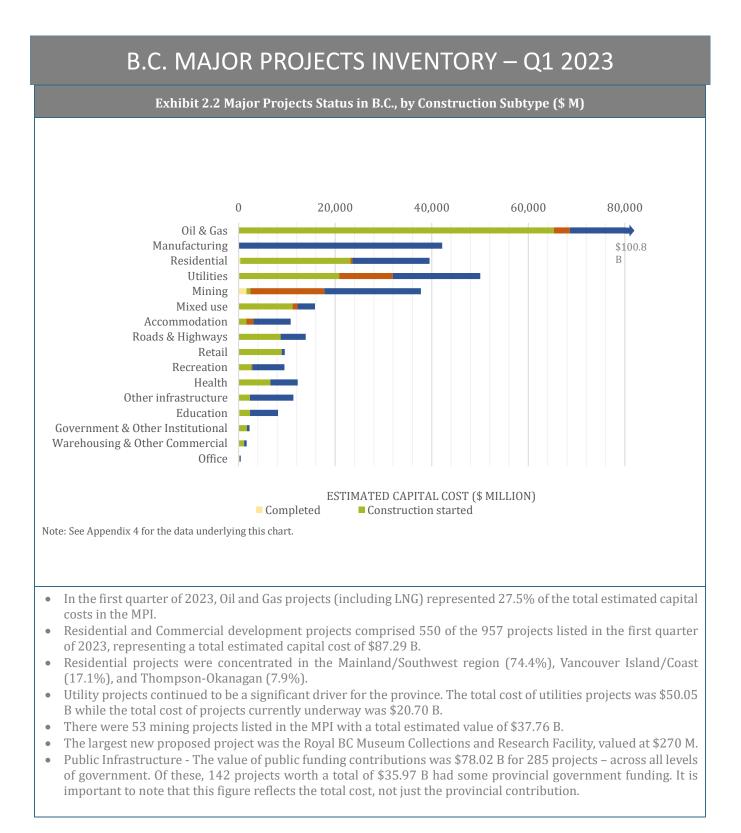


Exhibit 2.3	Estimated Co	st of Regiona	al Major Proj	ects, by C	onstruct	ion Type	and Sub	type (\$ M)	
Construction Type & Subtype	Vancouver Island/Coast	Mainland/ Southwest	Thompson- Okanagan	Kootenay	Cariboo	North Coast	Nechako	Northeast	Total
Residential Subtotal	12,352	32,901	8,168	80			100	20	53,621
Primarily residential - Single use	8,452	24,178	6,718	80			100	20	39,548
Residential Mixed Use	3,900	8,743	1,450						14,093
Commercial Subtotal	3,056	23,437	2,527	2,752	1,322	30		540	33,664
Commercial Mixed Use		1,730							1,730
Accommodation	2,056	4,730	747	2,302	940				10,775
Recreation	410	6,964	1,665	450					9,489
Retail	480	8,460	115					500	9,555
Office	70	388							458
Warehousing		165							165
Other Commercial	40	1,000			382	30		40	1,492
Industrial Subtotal	2,000	6,259	1,039	2,940	30,401	112,419	6,231	19,451	180,740
Mining		160	1,039	2,940	3,716	19,669	6,231	4,001	37,756
Oil & Gas	2,000	5,185			21,470	60,720		11,450	100,825
Manufacturing - Wood Products						30			30
Manufacturing - Petrochemical		600			5,200	32,000		4,000	41,800
Other Manufacturing		314			15				329
Institutional & Government Subtotal	5,380	13,729	1,189	171	993	657	158	429	22,706
Education	2,558	4,784	728	73		34			8,177
Health	1223	8,314	461	98	993	623	158	378	12,248
Government buildings	1,599	631						51	2,281
Infrastructure Subtotal	8,249	33,305	4,540	714	1,160	5,450	432	21,476	75,326
Utilities	6,020	14,198	2,498	629	890	3,983	387	21,448	50,053
Roads & Highways	416	10,980	1,892	85	270	188	45	28	13,904
Other Transportation	1,813	8,107	150			1,279			11,349
Grand Total	31,037	109,631	17,463	6,657	33,876	118,556	6,921	41,916	366,057

Exhibit 2.4 Estimated Cost Trends in B.C. Major Projects, by Project Status (\$ M)									
Status	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Change from the previous quarter	Change from the previous year		
Proposed	219,549	220,121	220,945	217,960	174,073	-20.1%	-20.7%		
Construction started	135,387	135,975	136,552	137,733	156,793	13.8%	15.8%		
Completed	2,665	1,113	775	2,441	2,423	-0.7%	-9.1%		
On hold	31,045	30,970	30,970	30,183	32,768	8.6%	5.6%		
Total	388,646	388,179	389,242	388,317	366,057	-5.7%	-5.8%		

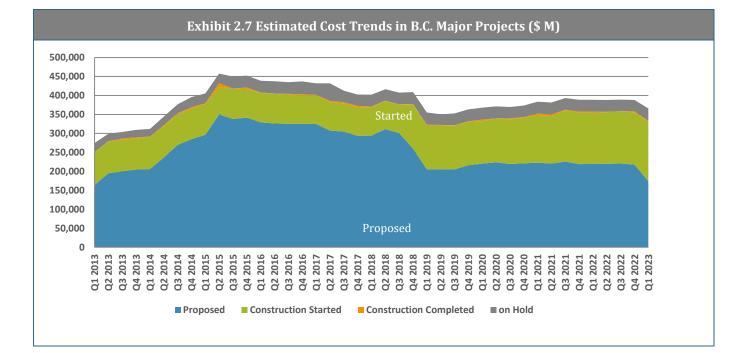
## The value of completed projects decreased from the fourth quarter of 2022 to \$2.42 B in the first quarter of 2023. A notable project completed was the Baldy Ridge Extension Project (\$1.63 B) in Sparwood, Kootenay.

#### 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	174,073	48%	496	390	6.9
Preliminary/Feasibility	44,898	12%	111	493	5.7
Consultation/Approvals	68,612	19%	198	373	8.0
Permitting	6,223	2%	33	201	4.7
Tender/Preconstruction	20,939	6%	71	308	3.2
Stage Unknown	33,401	9%	83	464	9.7
On Hold	32,768	9%	71	565	12.7
Construction Started	156,793	43%	373	434	6.4
Completed	2,423	1%	17	143	5.4
Total	366,057	100%	957	415	7.1

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.

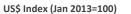
Exhibi	it 2.6 Estimated	Cost of Region	al Major Pro	jects, by Pro	ject Status (	(\$ M)	
Development Region	Proposed	Construction started	Completed	On Hold	Total	Total change from the previous quarter	Total change from the previous year
Vancouver Island/Coast	12,151	11,330	214	7,342	31,037	0.4%	0.2%
Mainland/ Southwest	61,377	47,254	480	520	109,631	3.4%	6.6%
Thompson-Okanagan	4,286	10,748	0	2,429	17,463	-1.3%	-7.7%
Kootenay	940	2,643	1,654	1,420	6,657	1.0%	1.1%
Cariboo	11,225	21,551	0	1,100	33,876	102.9%	102.3%
North Coast	68,353	37,877	75	12,251	118,556	-26.3%	-26.3%
Nechako	4,502	224	0	2,195	6,921	2.7%	0.4%
Northeast	11,239	25,166	0	5,511	41,916	-2.1%	-6.4%
Total	174,073	156,793	2,423	32,768	366,057	-5.7%	-5.8%

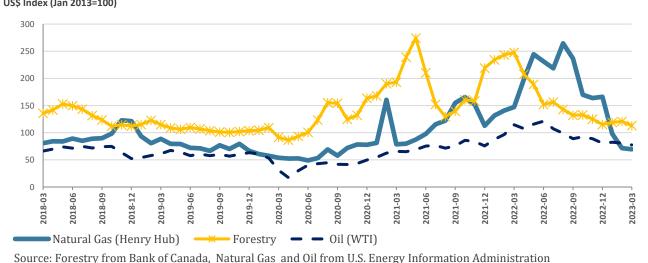


### 3. B.C. Economy

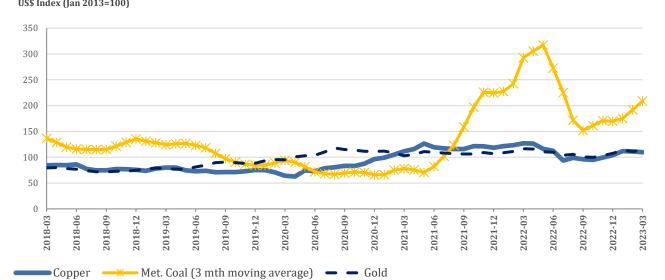
Exhibit 3.1 Economic Activity - 2023 Q1										
2019 2020 2021 2022										
Real GDP* Growth	+2.8	% -3.1	% +6.2 %	۶ 43.6 %						
*Chained (2012) dollars										
Period ending March 31, 2023	Amount	Change from previous month	Change from previous year	Data Type						
Retail trade (\$ M)	8,912	1.3%	0.8%	seasonally adjusted						
Manufacturing sales (\$ M)	5,323	-0.7%	-12.6%	seasonally adjusted						
Residential - building permits (\$ M)	1,368	30.5%	-17.8%	seasonally adjusted						
Residential - housing starts (units)	48,196	39.5%	69.0%	seasonally adjusted at annual rates						
Non-Residential building permits (\$ M)	800	56.6%	14.4%	seasonally adjusted						
Exports - all merchandise (\$ M)	5,883	33.2%	-4.3%	seasonally adjusted						
		Prices								
B.C. Consumer price index (2002=100)	149.7	0.4%	4.7%	not seasonally adjusted						
Exchange rate	US 0.73	-1.7%	-7.5%	not seasonally adjusted						
Average 5-year residential mortgage rate	5.81%	0.0p.p.	2.04p.p.	not seasonally adjusted						
	Lab	our Market								
Employment	2,777,300	0.0%	1.5%	seasonally adjusted						
Unemployment rate	4.5%	-0.6p.p.	-0.4p.p.	seasonally adjusted						
Participation rate	65.0%	-0.5p.p.	-0.3p.p.	seasonally adjusted						
Average weekly earnings (current dollars)	1184.63	0.7%	2.0%	not seasonally adjusted						

#### **Exhibit 3.2 Key Commodity Prices**





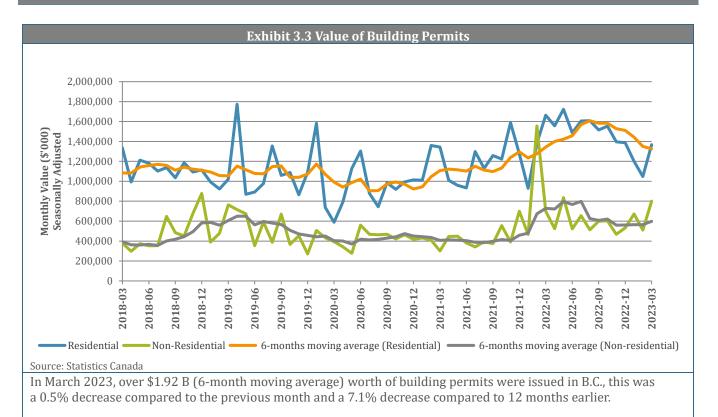
- In March 2023, the forestry price index declined by 6.4% from February 2023 and by 54.4% compared to 12 • months earlier.
- Natural gas declined to US\$2.31/mm BTU in March 2023.
- Oil (WTI) dropped to US\$73.28 in March 2023, declining for the second consecutive month.

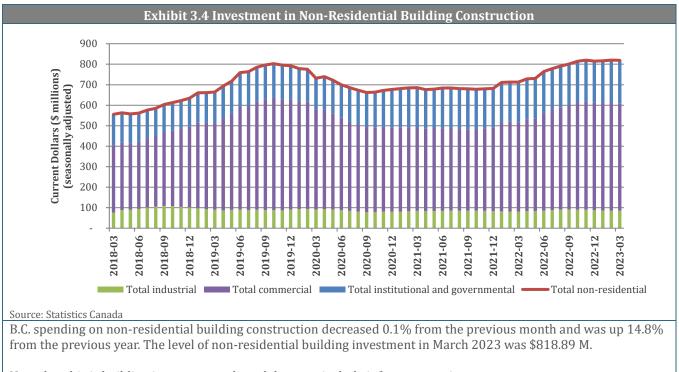


US\$ Index (Jan 2013=100)

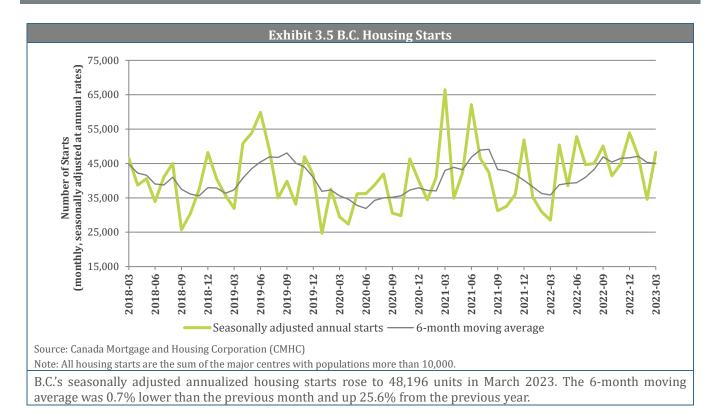
Source: B.C. Ministry of Energy and Mines, monthly average of daily values, Met. Coal: quarterly average to March 2016, 3month moving average after March 2016

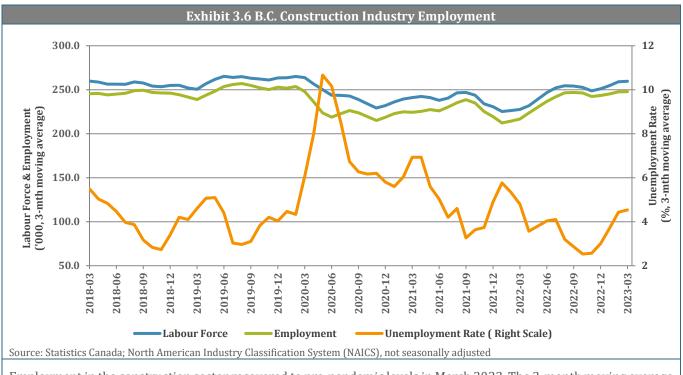
- The price of copper decreased to US\$4.01 per lb in March, 13.6% lower than March 2022. •
- The price of gold was US\$ 1913/oz, an increase of 3.1% from the previous month and 1.8% decrease from a . year before.
- The price of metallurgical coal (3-month moving average) in March was 8.7% higher than the previous month and 28.6% lower than the previous year.



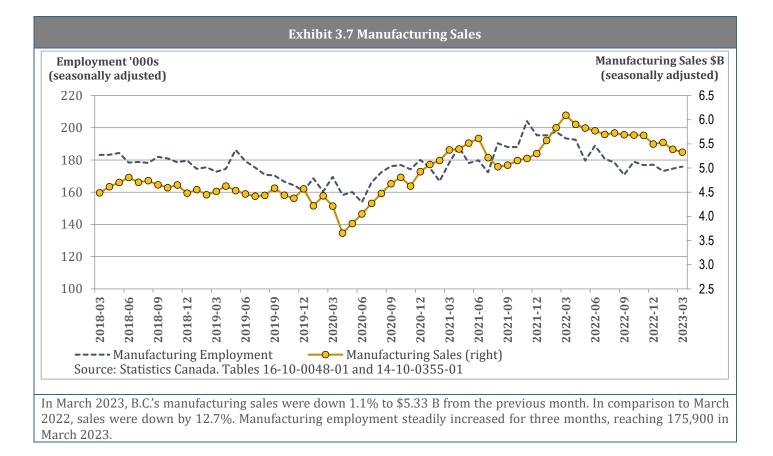


Note that this is building investment only and does not include infrastructure investment.



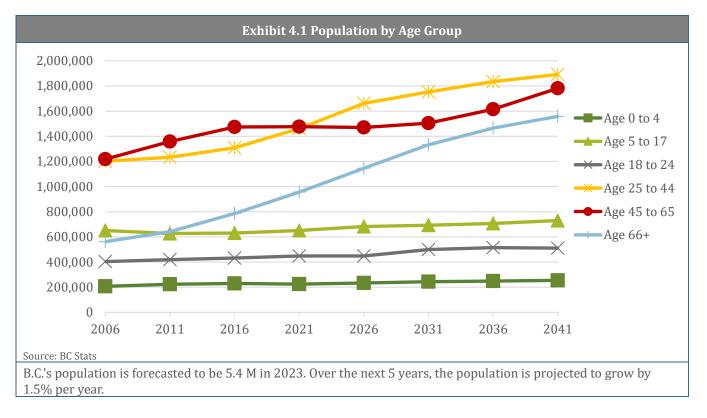


Employment in the construction sector recovered to pre-pandemic levels in March 2023. The 3-month moving average was up 14.3% compared to 12 months earlier while the labour force reported a 14.0% increase over the same period.



## B.C. DEMOGRAPHICS

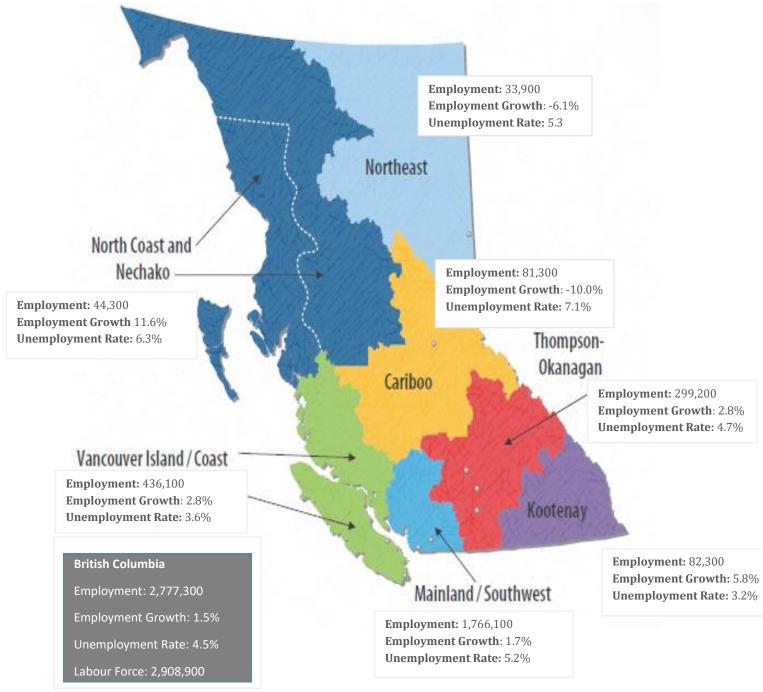
## 4. B.C. Demographics



## **REGIONAL SUMMARIES**

### 5. Regional Summaries

Regional Labour Market Statistics – March 2023

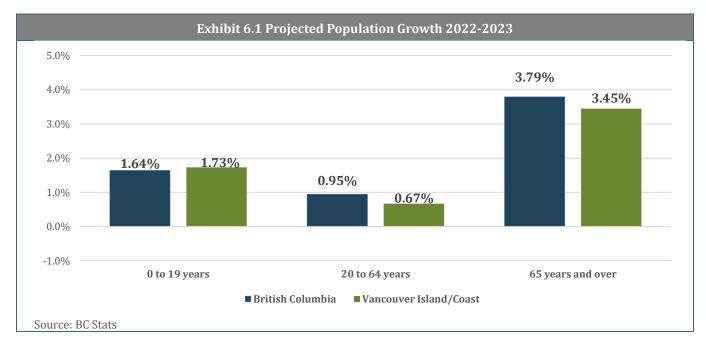


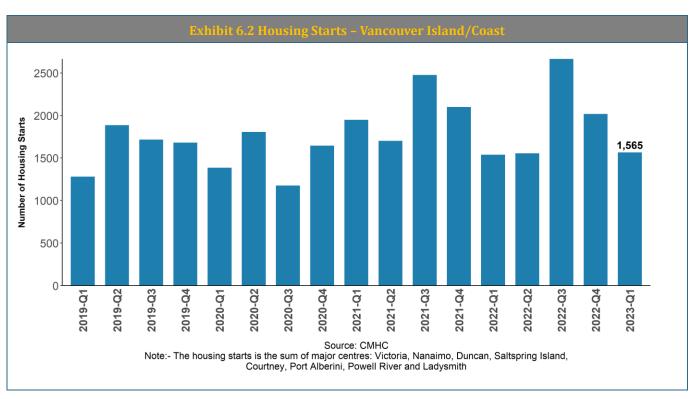
Note: Employment growth is over the previous 12 months. Data for B.C. at the provincial level is seasonally adjusted. Data for the regions is not seasonally adjusted and is based on 3-month moving averages. This means that the data at the provincial level is not directly comparable to the regional data,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

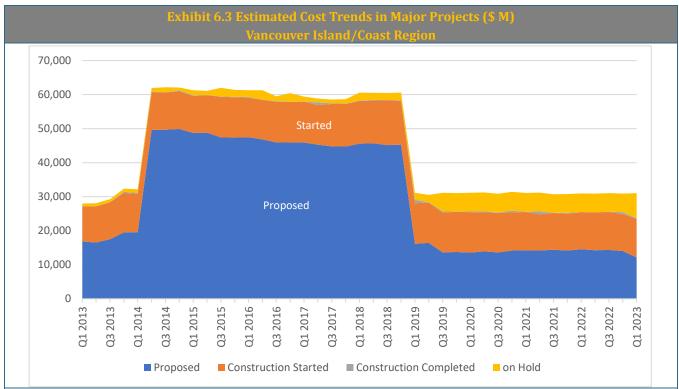
#### **Key Economic Indicators**





## VANCOUVER ISLAND/COAST REGION

### **Trends in Major Projects**



• In Q1 2023, the Vancouver Island/Coast region had a total of 147 major projects with a combined value of \$31.04 B – a 0.4% increase from the fourth quarter of 2022 and a 0.2% increase from the previous year.

• There were five newly proposed projects added to the MPI this quarter.

• There were three projects that began construction this quarter. The top project is the McCallum Road Mixed-Use Development project (\$600 M) in Langford. See more projects underway in Appendix 2.

• Two projects were put on hold this quarter, including the Discovery LNG in Campbell River and Pacific Maritime Museum and Conference Centre in Victoria.

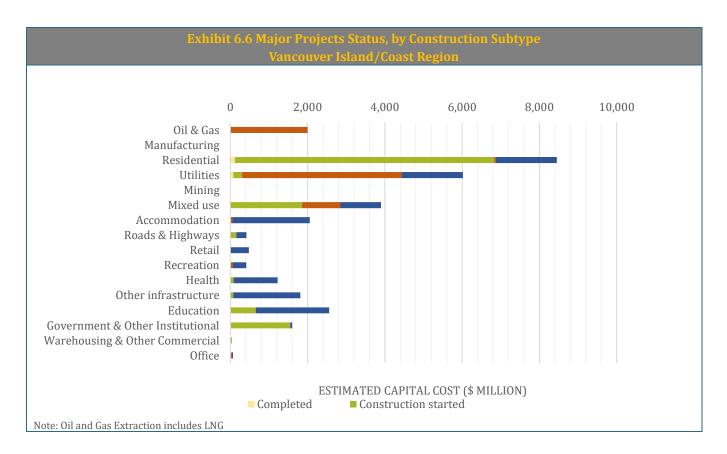
### xhibit 6.4 Estimated Cost Trends in Major Projects, by Project Status (\$M Vancouver Island/Coast Region

Status	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Change from the previous quarter	Change from the previous year
Proposed	14,549	14,260	14,343	14,039	12,151	-13.4%	-16.5%
Construction started	10,897	11,168	11,140	10,871	11,330	4.2%	4.0%
Completed	56	0	98	538	214	-60.2%	282.1%
On hold	5,472	5,472	5,472	5,472	7,342	34.2%	34.2%
Total	30,974	30,900	31,053	30,920	31,037	0.4%	0.2%

## 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	12,151	39%	68	187	8.1					
Preliminary/Feasibility	2,797	9%	9	311	8.1					
Consultation/Approvals	5,302	17%	28	204	9.5					
Permitting	634	2%	7	91	5.4					
Tender/Preconstruction	1,892	6%	10	189	2.7					
Stage Unknown	1,526	5%	14	117	10.6					
On hold	7,342	24%	17	612	10.9					
Construction started	11,330	37%	57	199	6.9					
Completed	214	1%	5	43	5.8					
Total	31,037	100%	147	223	7.9					

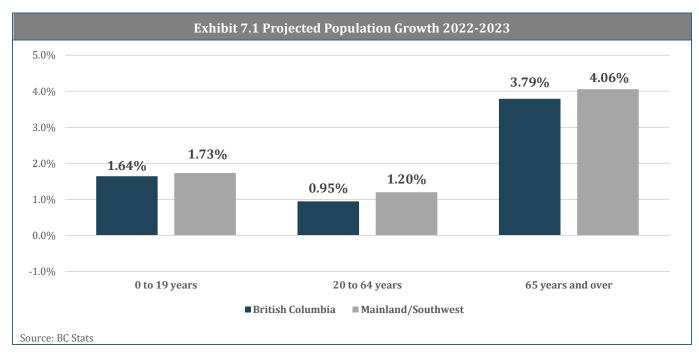
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.



## MAINLAND/SOUTHWEST REGION

## 7. Mainland/Southwest Region

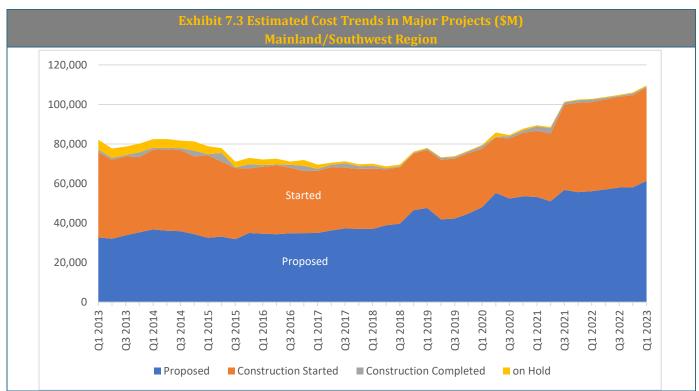
### **Key Economic Indicators**





## MAINLAND/SOUTHWEST REGION

### **Trends in Major Projects**



- In Q1 2023, the Mainland/Southwest region had a total of 537 major projects with a combined value of \$109.63 B, representing a 3.4% increase from the previous quarter and a 6.6% increase compared to the previous year.
- There were 19 newly proposed projects added to the MPI this quarter. The three top valued projects were: Gardena Highrise Condominium (\$80 M) in Coquitlam, Cloverly Elementary School (\$64 M) in North Vancouver, and Harlin Condominiums (\$60 M) in Vancouver. See more new projects in Appendix 1.
- Nine major projects were completed in the first quarter. The most notable project was the SFU Student Housing Redevelopment (\$108 M) in Burnaby. See more completed projects in Appendix 3.
- Thirteen major projects began construction this quarter. Fleetwood Village 2 Apartment Complex (\$160 M) in Surrey, Creative Energy Plant (\$100 M) in Vancouver and Slate Condominiums (\$64 M) in Burnaby are top-value projects in this quarter. See more projects underway in Appendix 2.

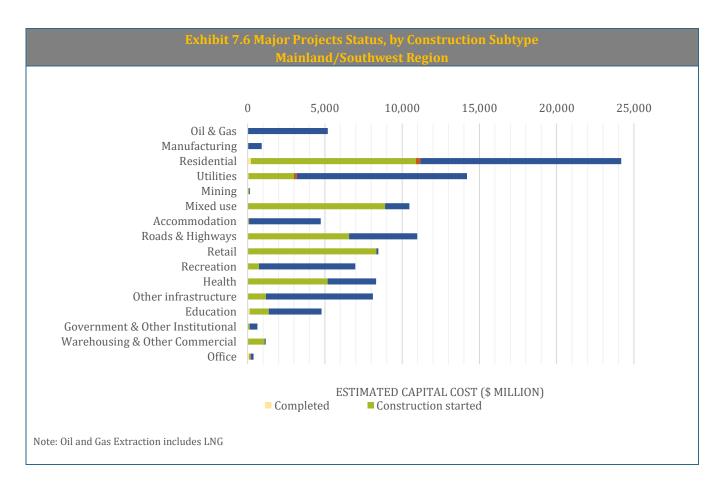
Exhibit 7.4 Estimated Cost Trends in Major Projects, by Project Status (\$ M) Mainland/Southwest Region									
Status	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Change from the previous quarter	Change from the previous year		
Proposed	56,099	57,047	57,957	58,068	61,377	5.7%	9.4%		
Construction started	45,141	45,484	45,939	46,640	47,254	1.3%	4.7%		
Completed	1,226	883	571	843	480	-43.1%	-60.8%		
On hold	372	372	372	485	520	7.2%	39.8%		
Total	102,838	103,786	104,839	106,036	109,631	3.4%	6.6%		

## 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
Proposed	61,377	56%	298	230	5.4
Preliminary/Feasibility	20,211	18%	67	361	4.6
Consultation/Approvals	21,225	19%	116	202	6.5
Permitting	3,669	3%	22	183	3.8
Tender/Preconstruction	7,188	7%	51	147	2.3
Stage Unknown	9,084	8%	42	246	8.0
On hold	520	0%	15	40	8.3
Construction started	47,254	43%	215	226	5.2
Completed	480	0%	9	53	4.1
Total	109,631	100%	537	220	5.4

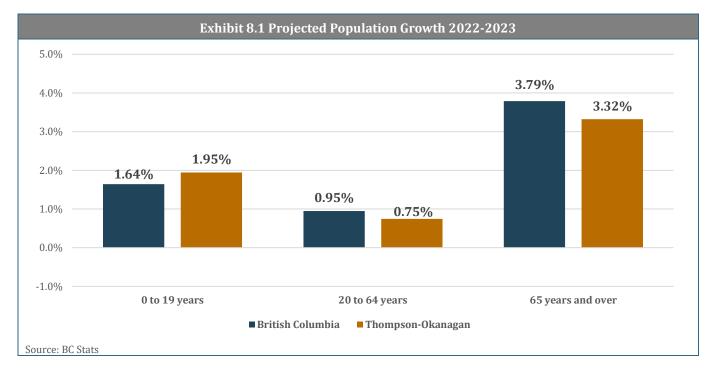
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

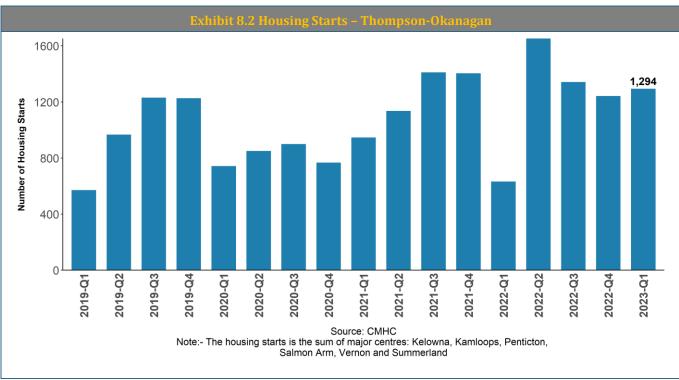


### THOMPSON - OKANAGAN REGION

### 8. Thompson - Okanagan Region

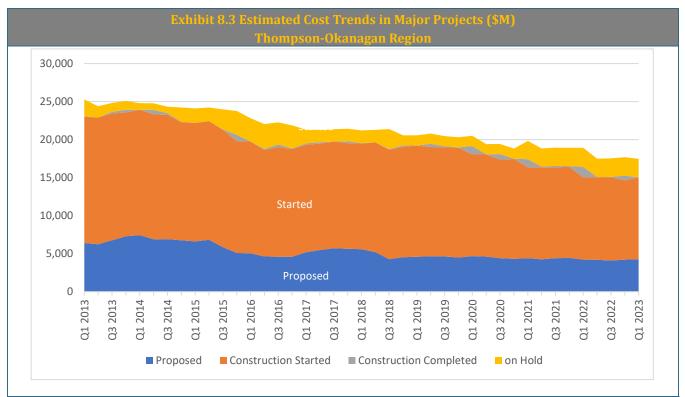
#### **Key Economic Indicators**





### THOMPSON - OKANAGAN REGION

### **Trends in Major Projects**



• In Q1 2023, the Thompson-Okanagan region had a total of 98 major projects with a combined value of \$17.46 B, for a decrease of 1.3% from the previous quarter and a 7.7% decline from the previous year.

• There were two newly proposed projects added to the MPI this quarter. The top project was the Pineview Valley Elementary School (\$65 M) in Kamloops.

- No project completed construction this quarter.
- Peace to Kelly Lake Stations Sustainment Project (\$344 M) in Clinton and Highway Flood Recovery Projects Highway 1 (Canyon) in Othello to Merrit began construction this quarter.

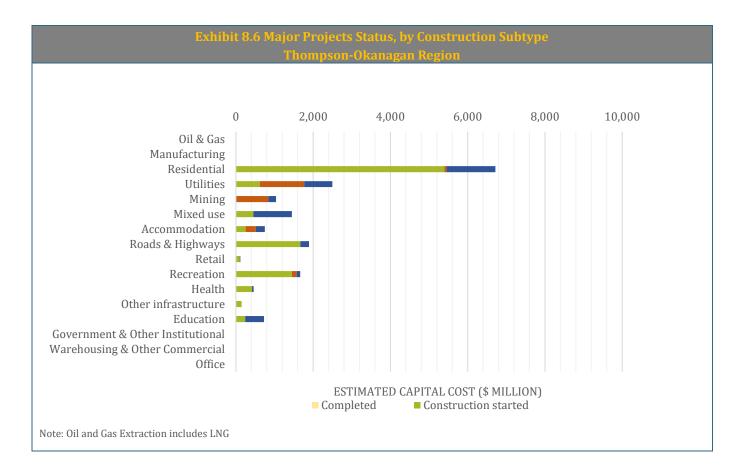
Exhibit 8.4 Estimated Cost Trends in Major Projects, by Project Status (\$ M) Thompson-Okanagan Region								
	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Change from the previous quarter	Change from the previous year	
Proposed	4,204	4,199	4,092	4,221	4,286	1.5%	2.0%	
Construction started	10,824	10,855	10,950	10,399	10,748	3.4%	-0.7%	
Completed	1,383	15	54	640	0	-100.0%	-100.0%	
On hold	2,504	2,429	2,429	2,429	2,429	0.0%	-3.0%	
Total	18,915	17,498	17,525	17,689	17,463	-1.3%	-7.7%	

## THOMPSON - OKANAGAN REGION

#### Exhibit 8.5 Summary of Major Projects (by Project Status) Thompson-Okanagan Region

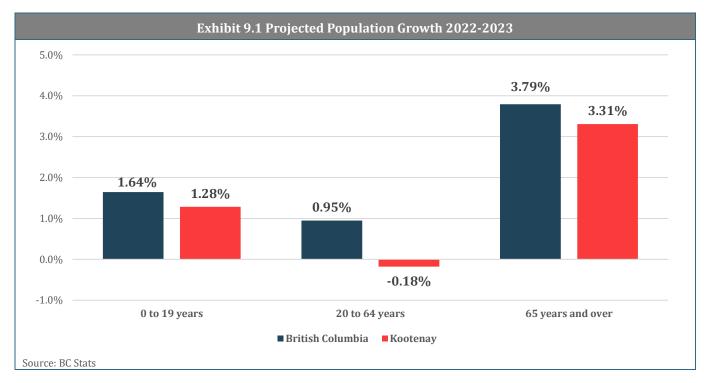
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	4,286	25%	40	122	7.6
Preliminary/Feasibility	998	6%	16	77	4.5
Consultation/Approvals	2,818	16%	13	217	11.3
Permitting	150	1%	1	150	18.1
Tender/Preconstruction	81	0%	4	20	0.8
Stage Unknown	239	1%	6	60	10.6
On hold	2,429	14%	8	304	16.6
Construction started	10,748	62%	50	234	9.7
Completed	-	-	-	-	-
Total	17,463	100%	98	196	9.4

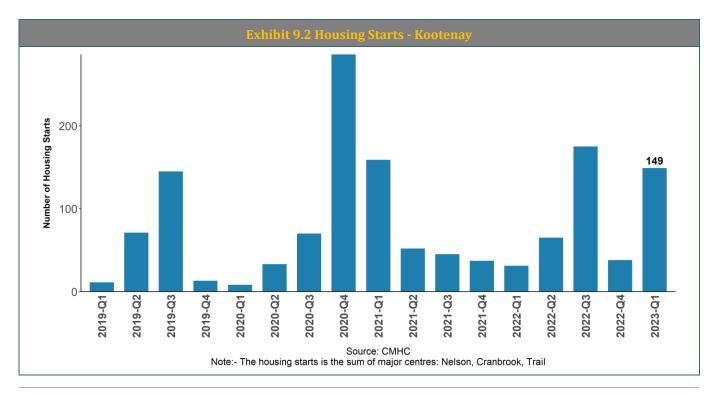
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.



### 9. Kootenay Region

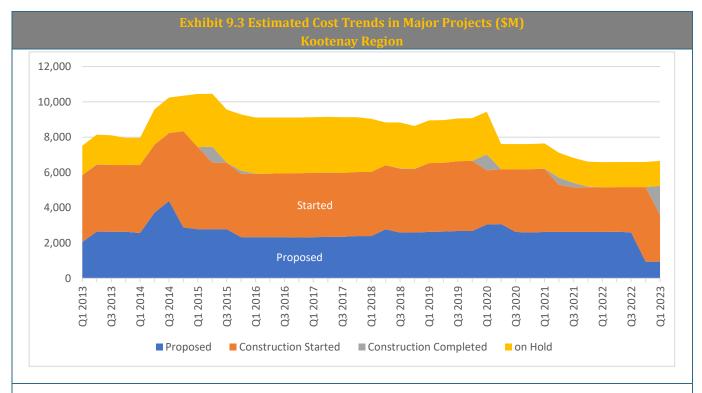
#### **Key Economic Indicators**





### **KOOTENAY REGION**

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



In Q1 2023, the Kootenay region had a total of 34 major projects with a combined value of \$6.65 B, a 1.0% increase from the previous quarter. This also represents a 1.1% increase compared to the previous year.

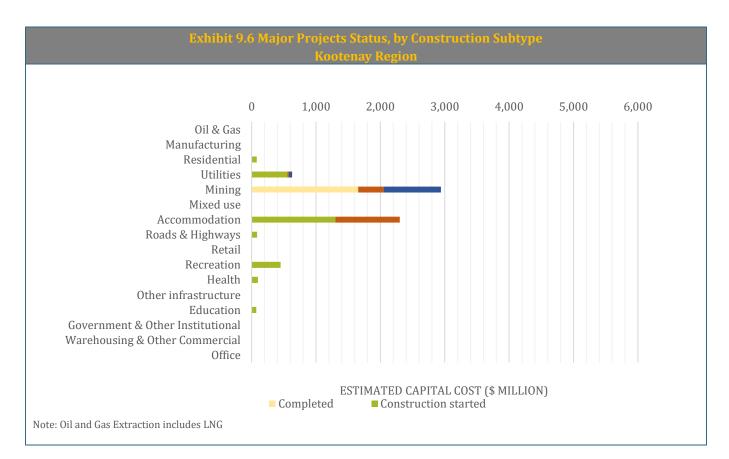
Exhibit 9.4 Estimated Cost Trends in Major Projects, by Project Status (\$M) Kootenay Region									
	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Change from the previous quarter	Change from the previous year		
Proposed	2,629	2,640	2,601	940	940	0.0%	-64.2%		
Construction started	2,533	2,533	2,572	4,233	2,643	-37.6%	4.3%		
Completed	0	0	0	0	1,654	-	-		
On hold	1,420	1,420	1,420	1,420	1,420	0.0%	0.0%		
Total	6,582	6,593	6,593	6,593	6,657	1.0%	1.1%		

## **KOOTENAY REGION**

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

		Kootenay Reg	gion		
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	940	14%	8	235	9.0
Preliminary/Feasibility	0	0%	3	0	5.7
Consultation/Approvals	890	13%	3	297	13.8
Permitting	-	-	-	-	-
Tender/Preconstruction	-	-	-	-	-
Stage Unknown	50	1%	2	50	6.7
On hold	1,420	21%	3	473	16.8
Construction started	2,643	40%	21	126	11.2
Completed	1,654	25%	2	827	7.5
Total	6,657	100%	34	222	10.9

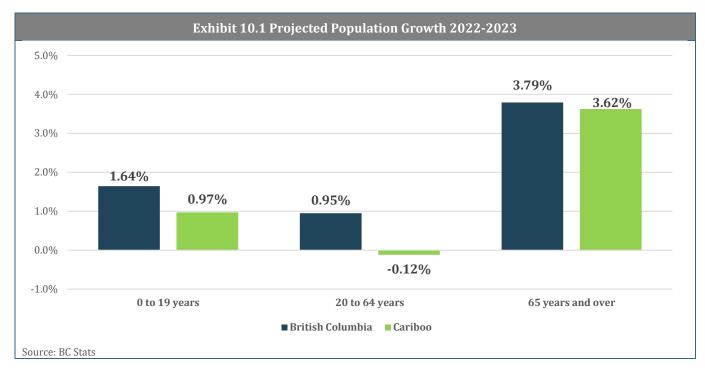
Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

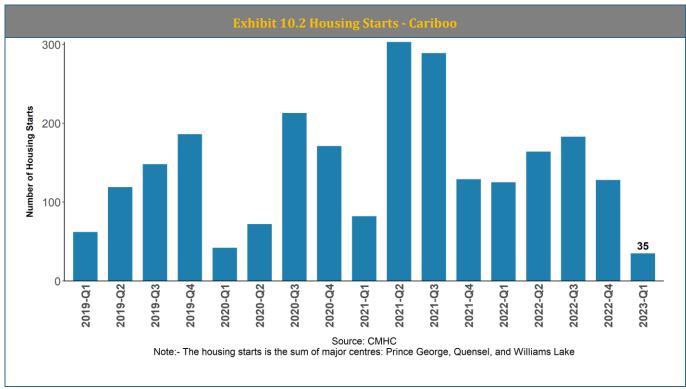


### CARIBOO REGION

### 10. Cariboo Region

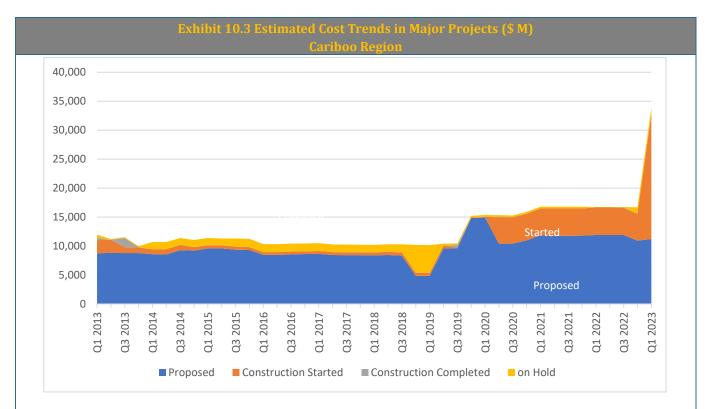
### **Key Economic Indicators**





### CARIBOO REGION

### **Trends in Major Projects**



- In Q1 2023, the Cariboo region had a total of 29 major projects with a combined value of \$33.88 B, 102.9% higher than the previous quarter and 102.3% higher than Q1 2022.
- The reason for the significant increase in the value of projects in this quarter was revision of the capital cost for the Trans Mountain Pipeline Expansion project to \$21.4 B from \$4.5 B in the previous quarter.

Exhibit 10.4 Estimated Cost Trends in Major Projects, by Project Status (\$M) Cariboo Region							
Status	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Change from the previous quarter	Change from the previous year
Proposed	11,907	11,907	11,907	10,907	11,225	2.9%	-5.7%
Construction started	4,742	4,742	4,690	4,651	21,551	363.4%	354.5%
Completed	0	0	52	39	0	-	-
On hold	100	100	100	1,100	1,100	0.0%	1000.0%
Total	16,749	16,749	16,749	16,697	33,876	102.9%	102.3%

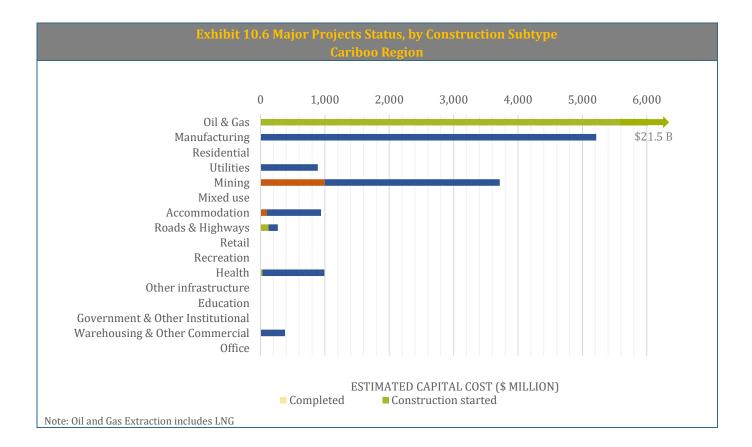
## CARIBOO REGION

### 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	11,225	33%	23	561	9.4
Preliminary/Feasibility	7,092	21%	8	1,182	7.1
Consultation/Approvals	4,003	12%	10	400	9.0
Permitting	-	-	-	-	-
Tender/Preconstruction	60	0%	1	60	24.1
Stage Unknown	70	0%	4	23	11.3
On hold	1,100	3%	2	550	24.2
Construction started	21,551	64%	4	5,388	6.8
Completed	-	-	-	-	-
Total	33,876	100%	29	1,303	10.0

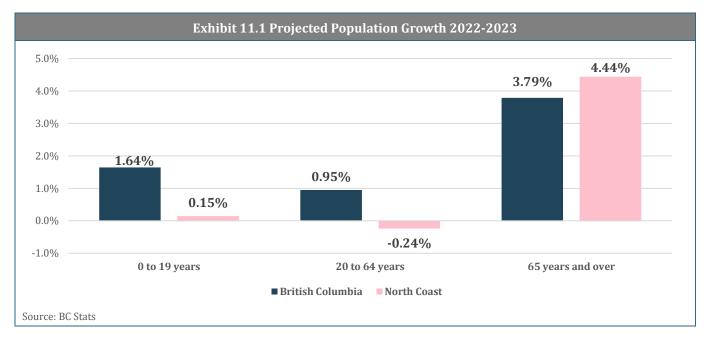
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

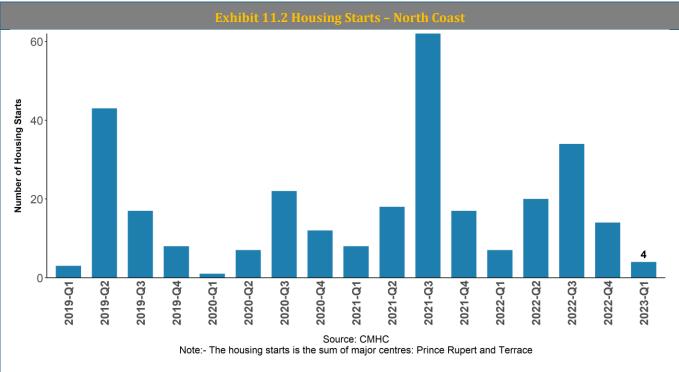


## NORTH COAST REGION

### 11. North Coast Region

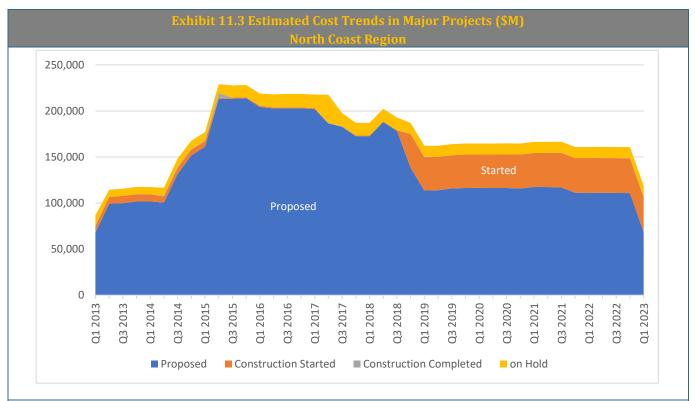
#### **Key Economic Indicators**





### NORTH COAST REGION

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



• In Q1 2023, the North Coast region had a total of 56 major projects with a combined value of \$118.56 B, a decrease of 26.3% both from the previous quarter and the previous year.

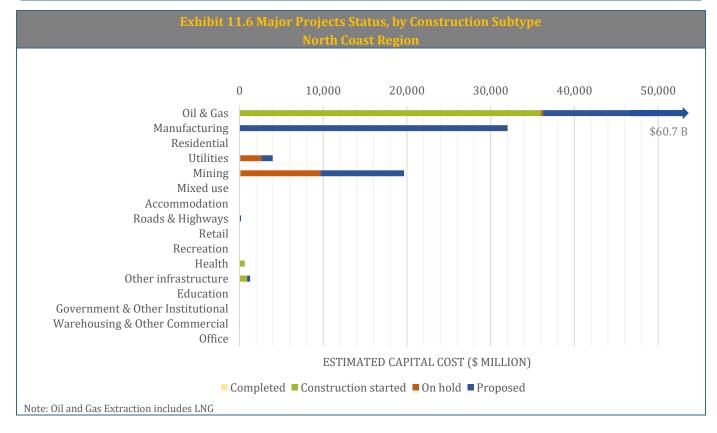
• The significant decline in capital value of projects was due to the completion of the Watson Island Propane Export Terminal (\$260 M) in the previous quarter, and several previously proposed projects being placed on hold and reassessed for cost or removed from the listing as inactive projects.

Exhibit 11.4 Estimated Cost Trends in Major Projects, by Project Status (\$M) North Coast Region									
Status	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Change from the previous quarter	Change from the previous year		
Proposed	111,061	111,084	111,061	110,801	68,353	-38.3%	-38.5%		
Construction started	37,881	37,766	37,789	37,773	37,877	0.3%	0.0%		
Completed	0	115	0	276	75	-72.8%	-		
On hold	11,981	11,981	11,981	11,981	12,251	2.3%	2.3%		
Total	160,923	160,946	160,831	160,831	118,556	-26.3%	-26.3%		

## 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	68,353	58%	29	2,532	10.9					
Preliminary/Feasibility	10,375	9%	4	3,458	12.2					
Consultation/Approvals	29,773	25%	15	1,985	9.6					
Permitting	250	0%	1	250	4.8					
Tender/Preconstruction	11,300	10%	3	5,650	12.3					
Stage Unknown	16,655	14%	6	2,776	13.4					
On hold	12,251	10%	14	1,531	13.2					
Construction started	37,877	32%	12	3,443	3.5					
Completed	75	0%	1	75	11.3					
Total	118,556	100%	56	2,522	9.9					

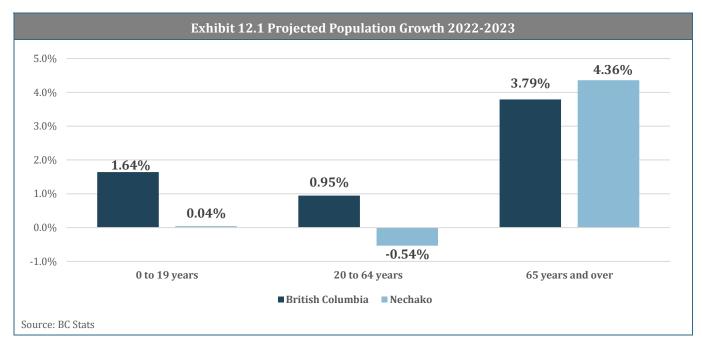
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.



# NECHAKO REGION

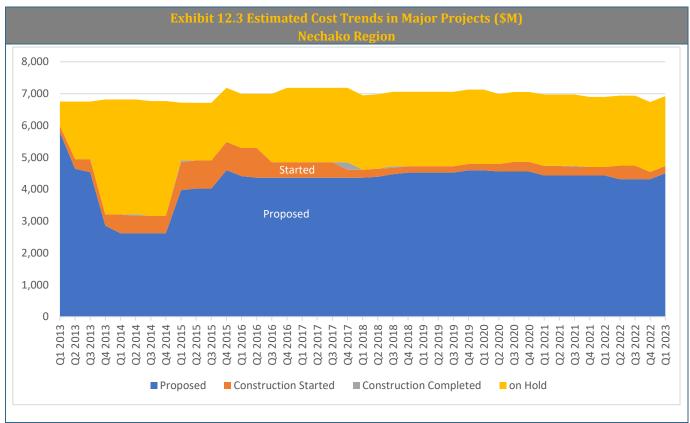
### 12. Nechako Region

#### **Key Economic Indicators**



## NECHAKO REGION

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



In Q1 2023, the Nechako region had a total of 19 major projects with a combined value of \$6.92 B, an increase of 2.7% from the previous quarter and a 0.4% increase from the same quarter in 2022.

#### Exhibit 12.4 Estimated Cost Trends in Major Projects, by Project Status (\$M) Nechako Region

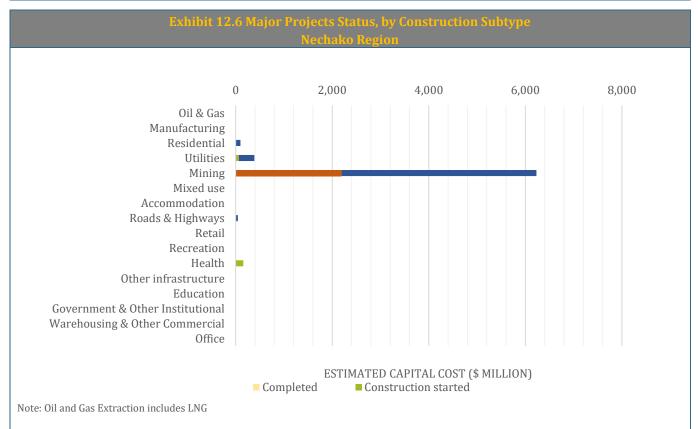
Status	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Change from the previous quarter	Change from the previous year
Proposed	4,433	4,317	4,317	4,317	4,502	4.3%	1.6%
Construction started	267	425	425	224	224	0.0%	-16.1%
Completed	0	0	0	0	0	-	-
On hold	2,195	2,195	2,195	2,195	2,195	0.0%	0.0%
Total	6,895	6,937	6,937	6,736	6,921	2.7%	0.4%

# NECHAKO REGION

#### Exhibit 12.5 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	4,502	65%	12	409	13.5						
Preliminary/Feasibility	925	13%	3	308	17.3						
Consultation/Approvals	861	12%	6	144	12.1						
Permitting	-	-	-	-	-						
Tender/Preconstruction	-	-	-	-	-						
Stage Unknown	2,716	39%	3	1,358	12.7						
On hold	2,195	32%	4	549	18.7						
Construction started	224	3%	3	112	6.2						
Completed	-	-	-	-	-						
Total	6,921	100%	19	407	13.5						

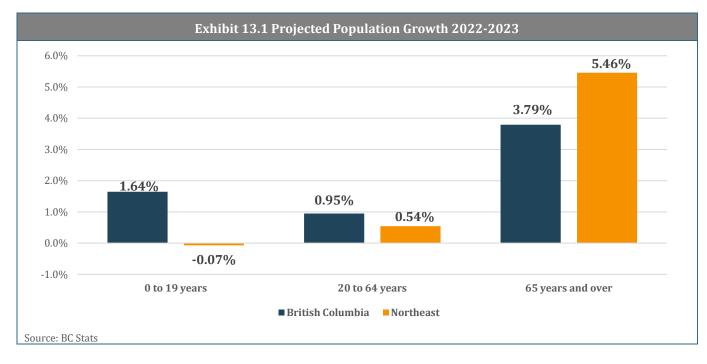
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

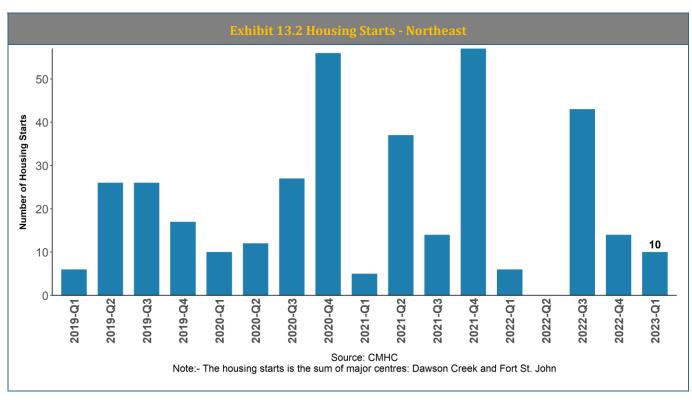


## NORTHEAST REGION

### 13. Northeast Region

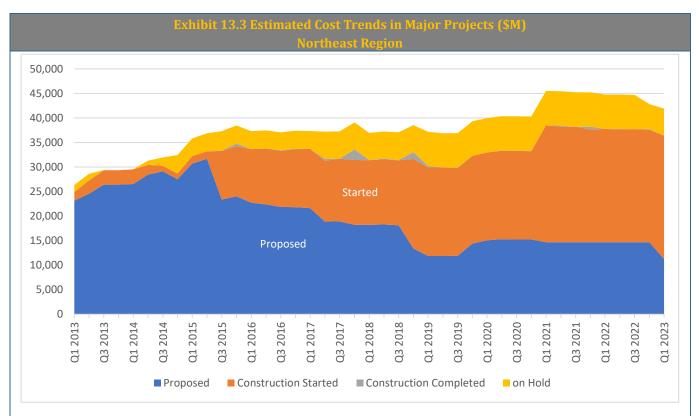
#### **Key Economic Indicators**





### NORTHEAST REGION

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



- In Q1 2023, the Northeast region had a total of 37 major projects with a combined value of \$41.92 B, a 2.1% decrease from the previous quarter and 6.4% lower than a year before.
- The Kemess Underground Copper-Gold Mine project (\$524 M) in Chetwynd started construction this quarter.
- The previously proposed Fortune Creek Gas Plant (\$760 M) in Fort Nelson changed ownership and was cancelled.

Exhibit 13.4 Estimated Cost Trends in Major Projects, by Project Status (\$M) Northeast Region									
Status	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Change from the previous quarter	Change from the previous year		
Proposed	14,667	14,667	14,667	14,667	11,239	-23.4%	-23.4%		
Construction started	23,102	23,002	23,047	22,942	25,166	9.7%	8.9%		
Completed	0	100	0	105	0	-	-		
On hold	7,001	7,001	7,001	5,101	5,511	8.0%	-21.3%		
Total	44,770	44,770	44,715	42,815	41,916	-2.1%	-6.4%		

## NORTHEAST REGION

#### Exhibit 13.5 Summary of Major Projects (by Project Status)

		Northeast Re	gion		
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	11,239	27%	18	661	10.1
Preliminary/Feasibility	2,500	6%	1	2,500	3.3
Consultation/Approvals	3,740	9%	7	623	10.8
Permitting	1,520	4%	2	760	5.8
Tender/Preconstruction	418	1%	2	209	7.2
Stage Unknown	3,061	7%	6	510	12.9
On hold	5,511	13%	8	689	13.1
Construction started	25,166	60%	11	2,288	7.6
Completed	-	-	-	-	-
Total	41,916	100%	37	1,164	10.0

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



## Appendices

	New Propos	ed Projects (January - March 2023)	
Region	Municipality	Project	Estimated Cost (\$ Million)
	Colwood	Royal BC Museum Collections and Research Facility	270
	Colwood	Westshore Long-Term Care Facility	224
Vancouver Island/Coast	Nanaimo, Powell River	Battery Electric Bus Facility Upgrades	54
	Sooke	Sooke Road Condos	20
	Victoria	Battery Electric Bus Facility Upgrades	60
	Brittania Beach	Seniors Housing	20
	Chilliwack	Sardis Secondary School Expansion	40
	Coquitlam	Gardena Highrise Condominium	80
	Coquitlam	Kemsley and Wesley Condominium	45
	Coquitlam	Aavand Midrise Condominium	20
	Langley	North East Latimer Elementary	52
	Langley	Langley Secondary School Expansion	28
	North Vancouver	Cloverley Elementary School	64
	Port Coquitlam	Port Coquitlam Transit Centre	30
Mainland/Southwest	Richmond	Howard De Beck Elementary	21
	Sechelt	Battery Electric Bus Facility Upgrades	
	Surrey	Tamanawis Secondary School Expansion	56
	Surrey	Ecole Kwantlen Park Secondary Expansion	45
	Surrey	Parksville 96 Highrise Condominium	42
	Surrey	Elwynn Green Townhouses	38
	Surrey	Bourna on 15A Condominium	22
	Vancouver	Harlin Condominiums	60
	Vancouver	St. Vincent's Heather Long-Term Care Home	
	Whistler, Chilliwack	Battery Electric Bus Facility Upgrades	
<b>T</b> 1 61	Kamloops	Pineview Valley Elementary School	65
Thompson-Okanagan	Kelowna, Kamloops	Battery Electric Bus Facility Upgrades	
Kootenay	Nelson	Battery Electric Bus Facility Upgrades	
Total			1,356

Construction Started (January - March 2023)									
Region	Municipality	Project	Completion Date	Estimated Cost (\$ Million)					
Vancouver	Comox	Ash River Extend Life of Steel Penstock Project	2024-Q3	22					
Island/Coast	Langford	McCallum Road Mixed- Use Development	2024-Q4	600					
,	Victoria	Millstream Condominium	2025-Q1	20					
	Annacis Island	Annacis Auto Terminal (AAT)	2024-Q3	43					
	Burnaby	Arbour Condominium	2025-Q4	32					
	Burnaby	Condominium Development	2024-Q3	20					
	Burnaby	Slate Condominiums	2026-Q2	64					
Coquitlam	Coquitlam	Sol Condominium	2025-Q2	20					
	North Vancouver	Centre for Childhood Studies	2025-Q3	22					
Mainland/Southwest	North Vancouver	Innova Condominiums	2025-Q2	24					
	Iainland/Southwest Iainland/Iainland/Southwest Iainland/Southwest Iain	Cooney Road Condominium	2026-Q4	22					
		81 Ave Apartment Building	2024-Q4	20					
		Fleetwood Village 2 Apartment Complex	2026-Q4	160					
		Midrise Condominiums	2024-Q4	34					
	Surrey	Simon Fraser University - First Peoples Gathering House	2024-Q4	27					
	Vancouver	Creative Energy Plant	2024-Q4	100					
Thompson-	Clinton	Peace to Kelly Lake Stations Sustainment Project	2028-Q4	344					
Okanagan	Othello To Merrit	Highway Flood Recovery Projects - Highway 1 (Canyon)	2024-Q4						
Kootenay	Castlegar	Kootenay Canal Modernize Controls Project	2028-Q1	61					
North Coast	Stewart	Premier Gold Project	2024-Q4	178					
Northeast	Chetwynd	Kemess Underground Copper-Gold Mine		524					
Total	1		1	2,337					

	Constructio	n Completed (January - March 2023)	
Region:	Municipality:	Project:	Estimated Cost (\$ Million)
	Esquimalt	Highrise Residential Tower	80
	Langford	Spencer Road Affordable Housing	20
Vancouver Island/Coast	Nanaimo	Nanaimo Fire Station	20
	Powell River	Wastewater Treatment Plant	76
	Powell River Victoria Abbotsford Burnaby Coquitlam New Westminster New	Westbay Quay	18
	Abbotsford	Mount Lehman Substation Upgrade Project	55
	Burnaby	SFU - Student Housing Redevelopment	108
	Coquitlam	The Sydney Condominium Tower	42
		Ovation Condominium Tower	40
Mainland/Southwest	New Westminster	The Keary Condominium	48
	Port Coquitlam	The Alex Rental Housing	20
	Surrey	Central City 2 Office Building	80
	Surrey	Wood & Water Townhomes	62
	Vancouver	Bayview Community Elementary	25
	Canal Flats	Kootenay West Mine	24
Kootenay	Sparwood	Baldy Ridge Extension Project	1,630
North Coast	Stewart	Port of Stewart Expansion - Phase 3	75
Total			2,423

Project Value and Pro	oject Status fo	or each Industry Sector ()	January - Marc	h 2023)	
Category	Proposed	Construction started	Completed	On hold	Total
Oil & Gas	32,205	65,300	0	3,320	100,825
Manufacturing	42,129	30	0	0	42,159
Residential	15,967	22,859	330	392	39,548
Utilities	18,141	20,701	131	11,080	50,053
Mining	20,019	802	1,654	15,281	37,756
Mixed use	3,630	11,193	0	1,000	15,823
Accommodation	7,712	1,642	0	1,421	10,775
Roads & Highways	5,214	8,690	0	0	13,904
Retail	615	8,940	0	0	9,555
Recreation	6,663	2,632	0	194	9,489
Health	5,662	6,586	0	0	12,248
Other infrastructure	9,019	2,255	75	0	11,349
Education	5,813	2,231	133	0	8,177
Government & Other Institutional	548	1,713	20	0	2,281
Warehousing & Other Commercial	522	1,135	0	0	1,657
Office	214	84	80	80	458
Total	174,073	156,793	2,423	32,768	366,057

### **Appendix 5**

Nu	Number of Regional Major Projects Excluding Completed Projects (by Project Category)											
Development Region	Residential/ Commercial	Transportation & Warehousing*	Mining & Oil & Gas Extraction	Utilities (incl sewage treatment)	Manufacturing	Public Services	Other Services	Total				
Vancouver Island/Coast	80	12	1	18		24	7	142				
Mainland/Southwest	363	38	7	34	4	67	15	528				
Thompson/Okanagan	45	12	3	17		16	5	98				
Kootenay	10	2	6	8		4	2	32				
Cariboo	5	4	8	6	3	3		29				
North Coast	2	14	21	11	4	3		55				
Nechako	1	1	13	3		1		19				
Northeast	3	4	11	15	2	2		37				
Total	509	87	70	112	13	120	29	940				

Note\*: Pipelines and transportation-related manufacturing are included in Transportation and Warehousing category

# B.C. GOVERNMENT CONTACT

### B.C. Government Contact

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Ministry of Post-Secondary Education and Future Skills