

People travelling the Trans-Canada Highway through the Kicking Horse Canyon are now using a wider, safer, fourlane divided highway, with the opening of the new westbound lanes through Phase 4 of the project.

**Cost:** More than \$600 million is being invested in the project, with the B.C. government contributing \$385.58 million and the Government of Canada providing the remaining \$215.19 million.

# BRITISH COLUMBIA MAJOR PROJECTS INVENTORY

# FOURTH QUARTER 2023



Ministry of Post-Secondary Education and Future Skills

# TABLE OF CONTENTS

### British Columbia Major Projects Inventory

#### Fourth Quarter 2023

Major Projects Inventory as of December 31, 2023.

Publisher: Labour Market Development Division, Ministry of Post-Secondary Education and Future Skills.

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

Report prepared by Labour Market Development Division staff.

While information sources are checked regularly, the Government of British Columbia and its contractors are not responsible for any errors or omissions in this publication.

Statistics Canada data referenced in this report are reproduced and distributed on an "as is" basis with the permission of Statistics Canada.

Copyright Province of British Columbia, 2023. All rights reserved.

### 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>

Please address report feedback to Ermias Afeworki, Labour Market Information, Reporting and Evaluation Office at: <u>Ermias.Afeworki@gov.bc.ca</u>

### TABLE OF CONTENTS

Bri	tish Columbia Major Projects Inventory		1
1.	B.C. Major Projects Highlights – Q4 2023		5
2.	B.C. Major Projects Inventory – Q4 2023		6
3.	B.C. Economy		11
4.	B.C. Demographics		16
5.	Regional Summaries		17
6.	Vancouver Island/Coast Region		18
7.	Mainland/Southwest Region		21
8.	Thompson - Okanagan Region		24
9.	Kootenay Region		27
10.	Cariboo Region		30
11.	North Coast Region		33
12.	Nechako Region		36
13.	Northeast Region		39
App	endices		42
А	ppendix 1	_42	
А	ppendix 2	_43	
А	ppendix 3	44	
А	ppendix 4	_45	
А	ppendix 5	_46	
B.C.	Government Contact		47

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.

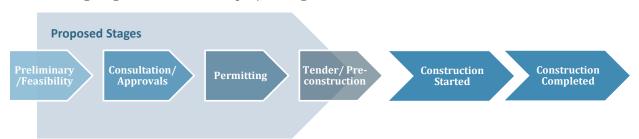
Note that cost estimates for some major projects were not available, whereas our analysis in this report includes all projects in the inventory.

#### **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 – Q4 2023

The estimated capital cost of all 977 major projects in the fourth quarter of 2023 increased from \$372.95 billion (B) in the third quarter of 2023 to \$373.86 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 26 new proposed projects over \$15 million (M) with available capital cost estimates equaling \$1.46 B if all the projects were to proceed. The potential capital investment for new projects has decreased from \$1.85 B in the third quarter of 2023.

There were 29 projects that started construction during the fourth quarter of 2023 in B.C., representing an estimated capital cost of \$3.60 B, down from the \$4.85 B reported in the third quarter of 2023. Thirty-six projects completed construction in the fourth quarter of 2023, with an estimated capital cost of \$8.16 B compared to \$1.12 B in the previous quarter.

There were 314 projects with public funding contributions with a total capital cost of \$115.70 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, 158 projects worth a total of \$40.24 B had provincial government funding contributions.

There were 57 projects with a total estimated cost of \$120.84 B involving Indigenous communities in capacities such as project owners, project partners or benefit agreements.

Major projects currently under construction in B.C. totalled \$168.87 B, a decrease from \$173.13 B in the third quarter of 2023. Proposed projects totalled \$166.68 B, down from \$168.55 B in the previous quarter. Several major project proposals listed were in the very preliminary stages and were not approved for construction, therefore capital cost estimates should be viewed with caution. Projects with a total value of \$30.16 B were judged to be 'on hold' in the fourth quarter of 2023, the same as 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.



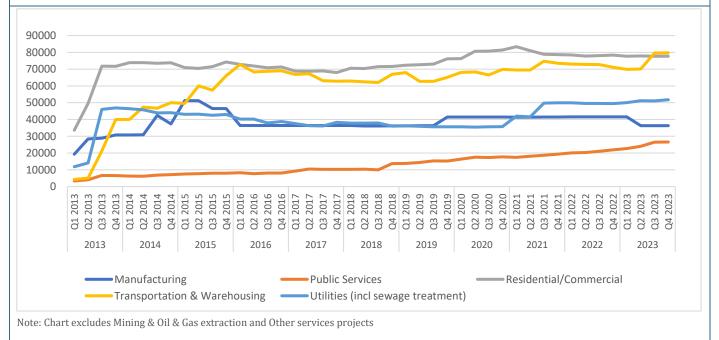
### Figure 1 B.C. MPI Highlights

### 2. B.C. Major Projects Inventory – Q4 2023

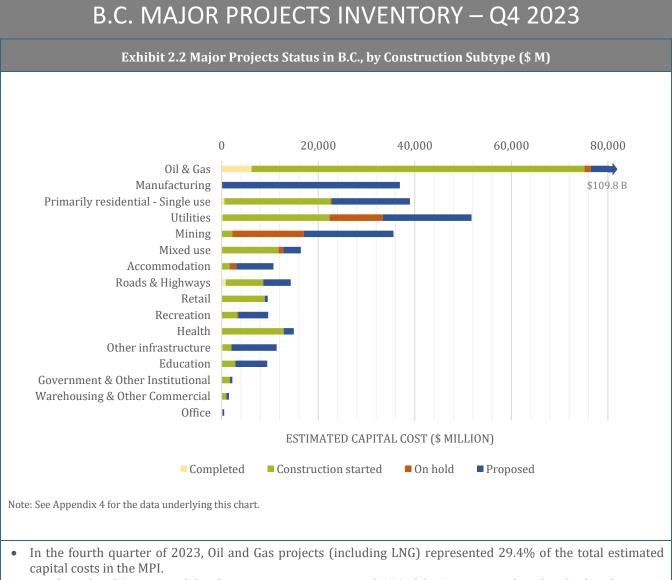
#### By Project Category, Construction Type or Subtype

Exhibit 2.1	Estimated C	ost Trends	in B.C. Majo	r Projects, b	y Project C	ategory (\$ M	[]
Project Category	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Change from the previous quarter	Change from the previous year
Mining, Oil & Gas Extraction	116,560	94,731	92,076	92,076	92,076	0.0%	-21.0%
Residential/Commercial	78,352	77,651	77,852	77,718	77,731	0.0%	-0.8%
Transportation & Warehousing	71,074	69,868	70,095	79,630	79,712	0.1%	12.2%
Manufacturing	41,559	41,559	36,359	36,329	36,329	0.0%	-12.6%
Utilities	49,512	50,053	51,185	51,096	51,771	1.3%	4.6%
Public Services	21,954	22,706	24,057	26,470	26,588	0.4%	21.1%
Other Services	9,306	9,489	9,489	9,632	9,653	0.2%	3.7%
Grand Total	388,317	366,057	361,113	372,951	373,860	0.2%	-3.7%

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 up (0.2%) in the fourth quarter of 2023 (Q4) compared with the third quarter of 2023, equaling \$373.86 B, while down (3.7%) compared to previous year.



- Residential and Commercial development projects comprised 555 of the 977 projects listed in the fourth quarter of 2023, representing a total estimated capital cost of \$87.42 B.
- Residential projects were concentrated in the Mainland/Southwest region (75.7%), Vancouver Island/Coast (15.9%), and Thompson-Okanagan (7.5%).
- Utility projects continued to be a significant driver for the province. The total cost of utilities projects was \$51.77 B while the total cost of projects currently underway was \$22.17 B.
- There were 50 mining projects listed in the MPI with a total estimated value of \$35.60 B.
- The largest new proposed project was the Belleville Terminal Redevelopment, at an estimated cost of \$304 M.
- Public Infrastructure The value of public funding contributions was \$115.70 B for 314 projects across all levels of government. Of these, 158 projects worth a total of \$40.24 B had some provincial government funding. It is important to note that this figure reflects the total cost, not just the provincial contribution.

Construction Type & Subtype	Vancouver Island/Coast	Mainland/ Southwest	Thompson- Okanagan	Kootenay	Cariboo	North Coast	Nechako	Northeast	Total
Residential Subtotal	11,966	33,372	8,138	80		23	100	20	53,699
Primarily residential - Single use	7,466	24,634	6,688	80		23	100	20	39,011
Residential Mixed Use	4,500	8,738	1,450						14,688
Commercial Subtotal	3,056	23,493	2,527	2,752	1,322	30		540	33,720
Commercial Mixed Use		1,730							1,730
Accommodation	2,056	4,680	747	2,302	940				10,725
Recreation	410	7,128	1,665	450					9,653
Retail	480	8,460	115					500	9,555
Office	70	460							530
Warehousing		35							35
Other Commercial	40	1,000			382	30		40	1,492
Industrial Subtotal		6,229	1,039	1,286	36,201	112,419	6,231	18,950	182,355
Mining		160	1,039	1,286	3,716	19,669	6,231	3,500	35,601
Oil & Gas		5,185			32,470	60,720		11,450	109,825
Manufacturing - Wood Products						30			30
Manufacturing - Petrochemical		600				32,000		4,000	36,600
Other Manufacturing		284			15				299
Institutional & Government Subtotal	5,308	17,073	1,358	273	1,027	784	158	607	26,588
Education	2,354	5,841	919	77	61	161		17	9,430
Health	1,357	10,601	439	196	966	623	158	590	14,930
Government buildings	1,597	631							2,228
Infrastructure Subtotal	9,319	33,129	4,707	756	1,731	6,014	366	21,476	77,498
Utilities	6,890	14,439	2,500	646	923	4,604	321	21,448	51,771
Roads & Highways	285	10,779	2,057	110	808	206	45	28	14,318
Other Transportation	2,144	7,911	150			1,204			11,409
Grand Total	29,649	113,296	17,769	5,147	40,281	119,270	6,855	41,593	373,860

Exhibit 2	.4 Estimated	Cost Trends	in B.C. Majo	r Projects, by	y Project S	tatus (\$ M)	
Status	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Change from the previous quarter	Change from the previous year
Proposed	217,960	174,073	169,561	168,545	166,682	-1.1%	-23.5%
Construction started	137,733	156,793	159,596	173,125	168,866	-2.5%	22.6%
Completed	2,441	2,423	1,799	1,124	8,155	625.5%	234.1%
On hold	30,183	32,768	30,157	30,157	30,157	0.0%	-0.1%
Total	388,317	366,057	361,113	372,951	373,860	0.2%	-3.7%

The value of completed projects increased from the third quarter of 2023 to \$8.16 B in the fourth quarter of 2023. A notable project completed was the Coastal GasLink Pipeline Project (6.2 B) in Dawson Creek.

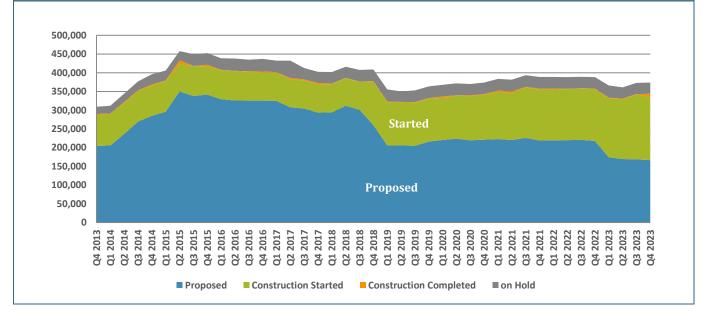
#### Exhibit 2.5 Summary of B.C. Major Projects (by Project Status)

	Estimated Capital Cost (\$M)	Percentage of Total	Number of Projects	Average Project Value (\$ M)	Average Years in Inventory
Proposed	166,682	45%	491	374	7.1
Preliminary/Feasibility	39,628	11%	114	426	5.9
Consultation/Approvals	65,750	18%	197	355	8.2
Permitting	5,676	2%	23	258	6.2
Tender/Preconstruction	22,169	6%	71	321	3.2
Stage Unknown	33,459	9%	86	435	9.8
On Hold	30,157	8%	64	580	13.6
Construction Started	168,866	45%	386	447	6.6
Completed	8,155	2%	36	233	4.7
Total	373,860	100%	977	410	7.3

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	11,069	13,192	46	5,342	29,649	1.3%	-4.1%
Mainland/ Southwest	59,904	51,974	963	455	113,296	-0.1%	6.8%
Thompson-Okanagan	4,369	10,412	604	2,384	17,769	0.5%	0.5%
Kootenay	1,097	2,506	124	1,420	5,147	0.1%	-21.9%
Cariboo	7,758	31,299	124	1,100	40,281	0.0%	141.2%
North Coast	68,521	38,432	66	12,251	119,270	0.5%	-25.8%
Nechako	3,086	1,574	0	2,195	6,855	-0.8%	1.8%
Northeast	10,878	19,477	6,228	5,010	41,593	-0.1%	-2.9%
Total	166,682	168,866	8,155	30,157	373,860	0.2%	-3.7%

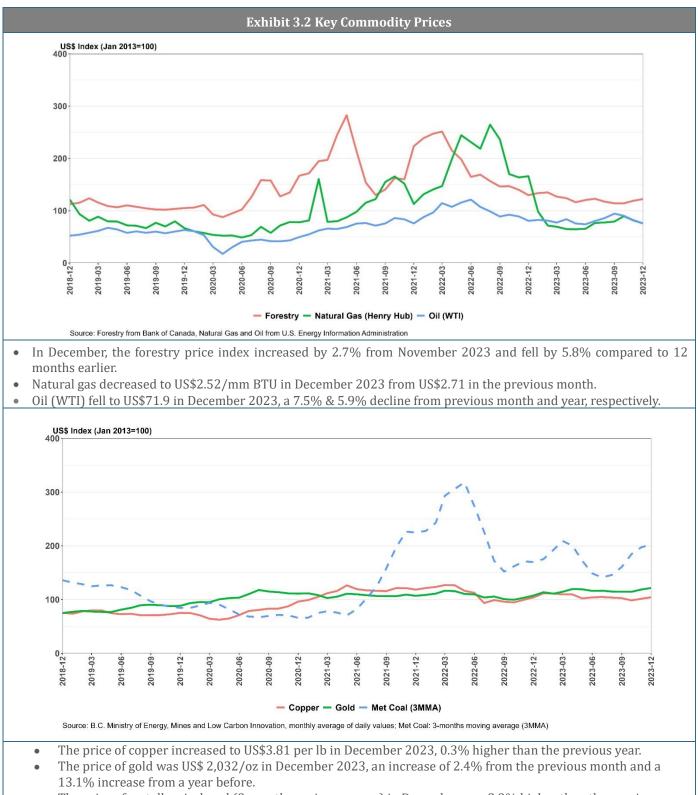
Exhibit 2.7 Estimated Cost Trends in B.C. Major Projects (\$ M)



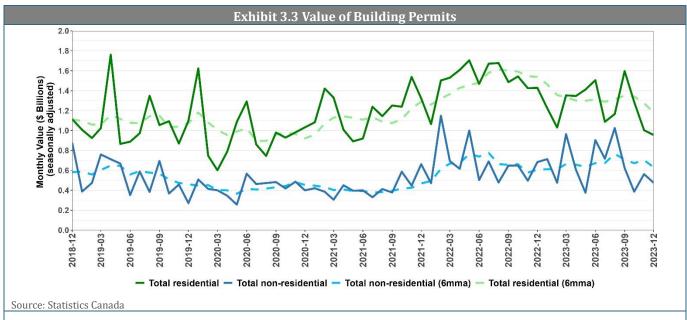
### 3. B.C. Economy

Exhibit 3.1 Economic Activity - 2023 Q4									
	20	020 2021	2022	2023					
Real GDP* Growth	-3.:	1% +7.0%	+3.9 %	+1.6 %					
*Chained (2017) dollars									
Period ending December 31, 2023	Amount	Change from previous month	Change from previous year	Data Type					
Retail trade (\$ M)	9,131	1.1%	3.5%	seasonally adjusted					
Manufacturing sales (\$ M)	5,660	3.3%	3.0%	seasonally adjusted					
Residential - building permits (\$ M)	1,034	3.1%	-27.6%	seasonally adjusted					
Residential - housing starts (units)	59,940	60.9%	10.8%	seasonally adjusted at annual rates					
Non-Residential building permits (\$ M)	452	-19.6%	-33.8%	seasonally adjusted					
Exports - all merchandise (\$ M)	4,816	4.8%	-7.1%	seasonally adjusted					
		Prices							
B.C. Consumer price index (2002=100)	152	-0.5%	3.4%	not seasonally adjusted					
Exchange rate (USD)	0.74	2.1%	1.2%	not seasonally adjusted					
Average 5-year residential mortgage rate	6.39%	-0.1p.p.	0.5p.p.	not seasonally adjusted					
	La	bour Market							
Employment	2,837,900	0.6%	2.7%	seasonally adjusted					
Unemployment rate	5.5%	0.2p.p.	1.3p.p.	seasonally adjusted					
Participation rate	65.7%	0.5p.p.	0.9p.p.	seasonally adjusted					
Average weekly earnings (current dollars)	1,235	0.0%	6.8%	not seasonally adjusted					

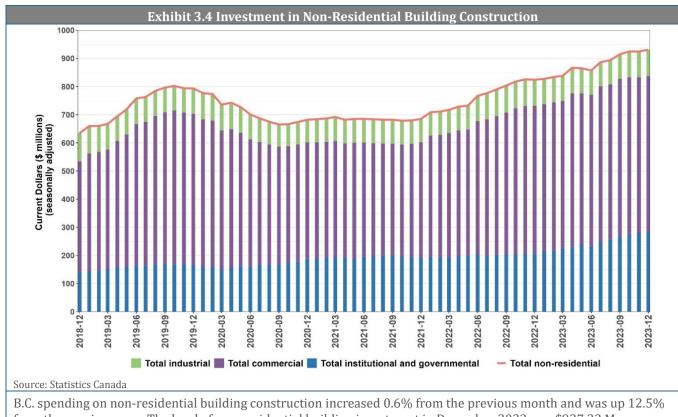
Note: p.p. is percentage point, used here to show the difference between two percentage rates.



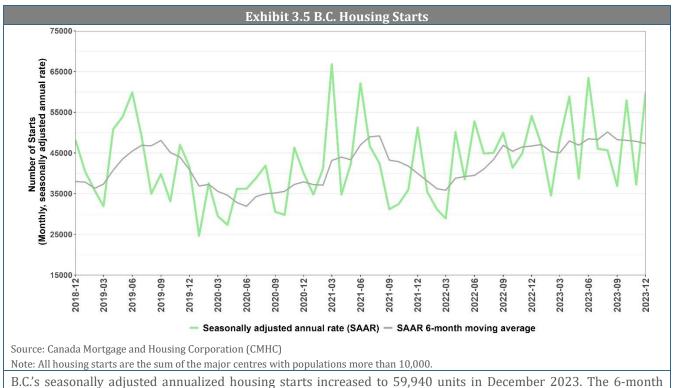
• The price of metallurgical coal (3-month moving average) in December was 2.3% higher than the previous month and 18.9% higher than 12 months earlier.



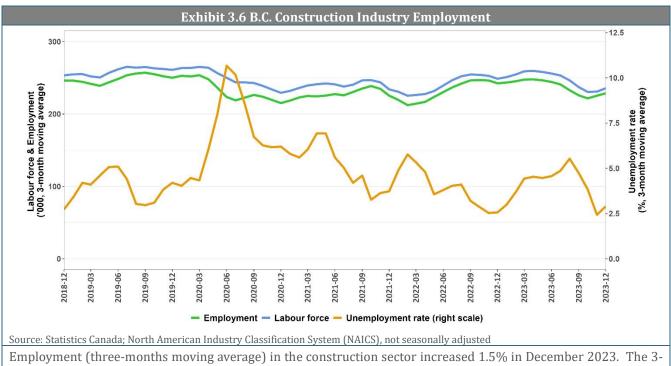
In December 2023, over \$1.2 B (6-month moving average) worth of building permits were issued in B.C., this was a 6.2% decline compared to the previous month and an 22.3% decrease compared to 12 months earlier.



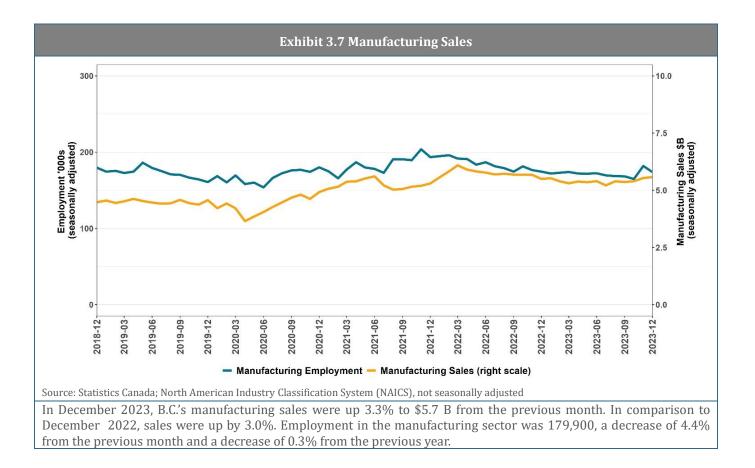
from the previous year. The level of non-residential building investment in December 2023 was \$927.32 M. Note that this is building investment only and does not include infrastructure investment.



moving average was 1.2% lower than the previous month and up 1.2% from the previous year.

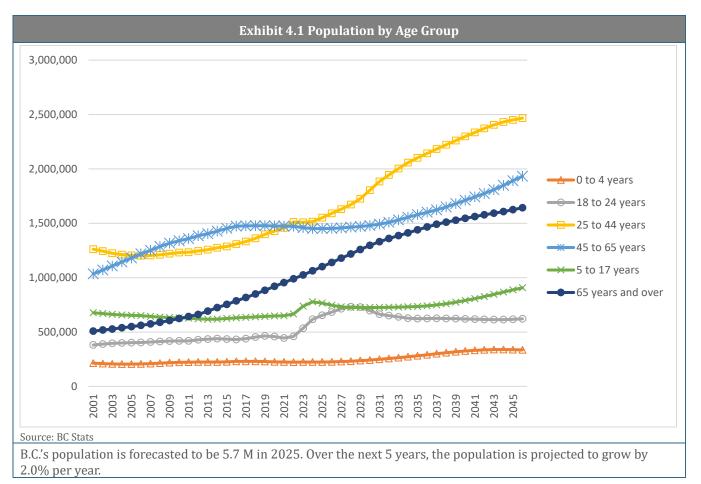


month moving average for employment was down 5.7% compared to 12 months earlier while the labour force reported a 5.3% decrease over the same period.



# B.C. DEMOGRAPHICS

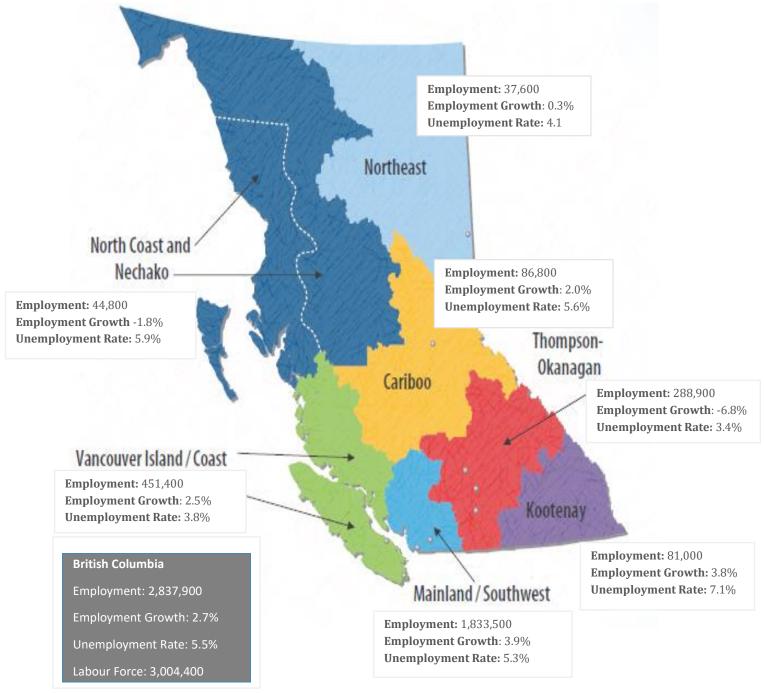
# 4. B.C. Demographics



# **REGIONAL SUMMARIES**

### 5. Regional Summaries

Regional Labour Market Statistics – September 2023

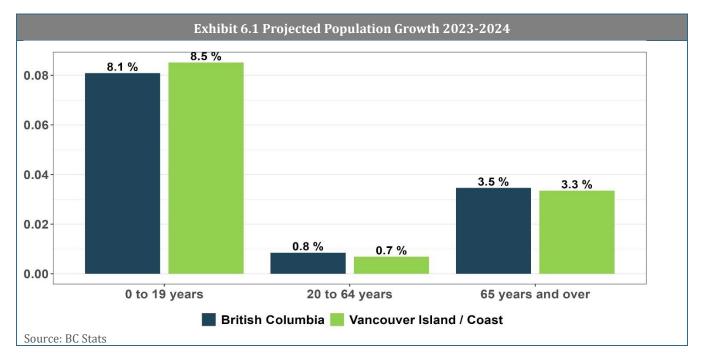


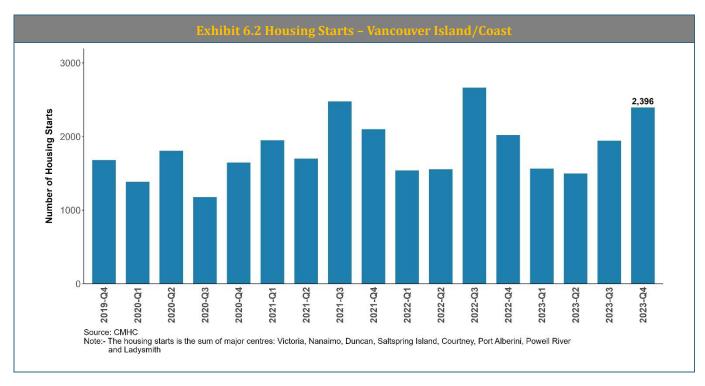
Note: Employment growth is over the previous 12 months. Data for B.C. at the provincial level is seasonally adjusted. Data for the regions is not seasonally adjusted and is based on 3-month moving averages. This means that the data at the provincial level is not directly comparable to the regional data,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

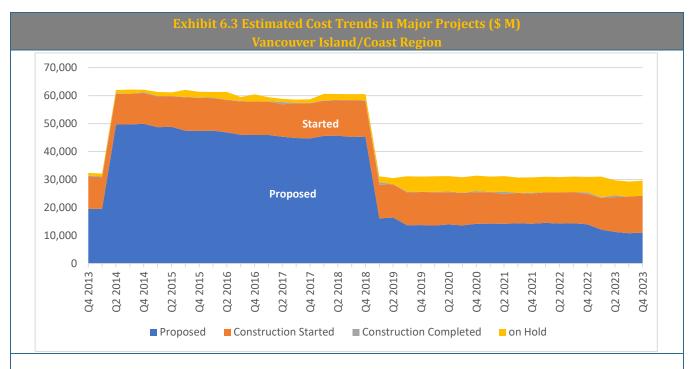
### **Key Economic Indicators**





### VANCOUVER ISLAND/COAST REGION

### **Trends in Major Projects**



- In Q4 2023, the Vancouver Island/Coast region had a total of 141 major projects with a combined value of \$29.65 B for a 1.3% increase from the third quarter of 2023 and a 4.1% decrease from the previous year.
- There were three newly proposed projects, of which the largest was Belleville Terminal Redevelopment in Victoria, valued at \$304 M.
- There were four projects that began construction this quarter, including Tofino Wastewater Treatment Plant in Tofino, valued at \$78 M. See projects underway in Appendix 2.
- Construction is completed for Malahat Highway Flood Recovery Project (\$24 M) in Goldstream. See more in Appendix 3.

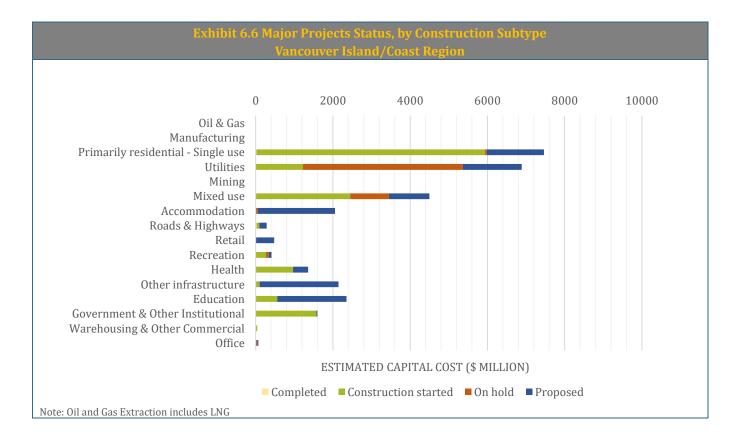
Exhibit 6.4 Estimated Cost Trends in Major Projects, by Project Status (\$M) Vancouver Island/Coast Region									
Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Change from the previous quarter	Change from the previous year			
14,039	12,151	11,252	10,831	11,069	2.2%	-21.2%			
10,871	11,330	12,487	13,059	13,192	1.0%	21.4%			
538	214	637	42	46	9.5%	-91.4%			
5,472	7,342	5,342	5,342	5,342	0.0%	-2.4%			
30,920	31,037	29,718	29,274	29,649	1.3%	-4.1%			
	Q4 2022 14,039 10,871 538 5,472	Van cou           Q4 2022         Q1 2023           14,039         12,151           10,871         11,330           538         214           5,472         7,342	Vancouver Island/           Q4 2022         Q1 2023         Q2 2023           14,039         12,151         11,252           10,871         11,330         12,487           538         214         637           5,472         7,342         5,342	Vancouver Island/Coast Regio           Q4 2022         Q1 2023         Q2 2023         Q3 2023           14,039         12,151         11,252         10,831           10,871         11,330         12,487         13,059           538         214         637         42           5,472         7,342         5,342         5,342	Vancouver Island/Coast Region           Q4 2022         Q1 2023         Q2 2023         Q3 2023         Q4 2023           14,039         12,151         11,252         10,831         11,069           10,871         11,330         12,487         13,059         13,192           538         214         637         42         46           5,472         7,342         5,342         5,342         5,342	Vancouver Island/Coast Region           Q4 2022         Q1 2023         Q2 2023         Q3 2023         Q4 2023         Change from the previous quarter           14,039         12,151         11,252         10,831         11,069         2.2%           10,871         11,330         12,487         13,059         13,192         1.0%           538         214         637         42         46         9.5%           5,472         7,342         5,342         5,342         5,342         0.0%			

# VANCOUVER ISLAND/COAST REGION

### Exhibit 6.5 Summary of Major Projects (by Project Status)

	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	11,069	37%	62	191	9.2
Preliminary/Feasibility	2,855	10%	9	317	9.0
Consultation/Approvals	5,248	18%	25	228	11.0
Permitting	540	2%	4	135	7.9
Tender/Preconstruction	966	3%	8	121	3.4
Stage Unknown	1,460	5%	16	104	9.9
On hold	5,342	18%	15	486	12.1
Construction started	13,192	44%	62	213	6.8
Completed	46	0%	2	23	2.8
Total	29,649	100%	141	223	8.4

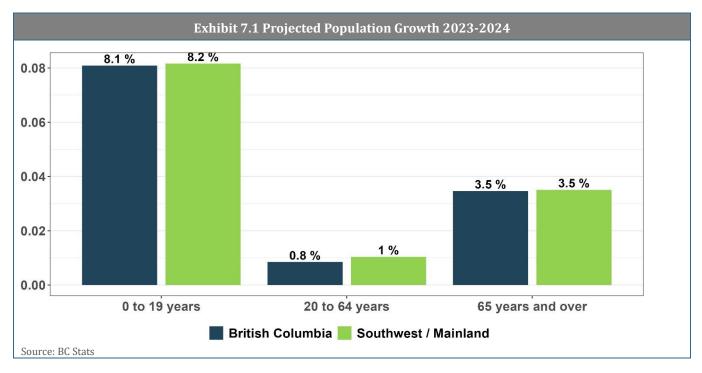
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

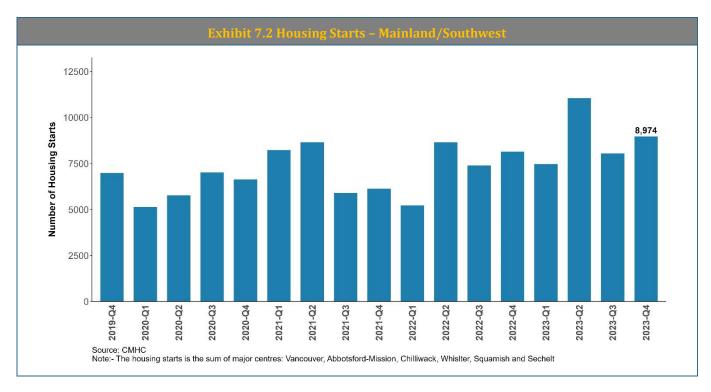


# MAINLAND/SOUTHWEST REGION

# 7. Mainland/Southwest Region

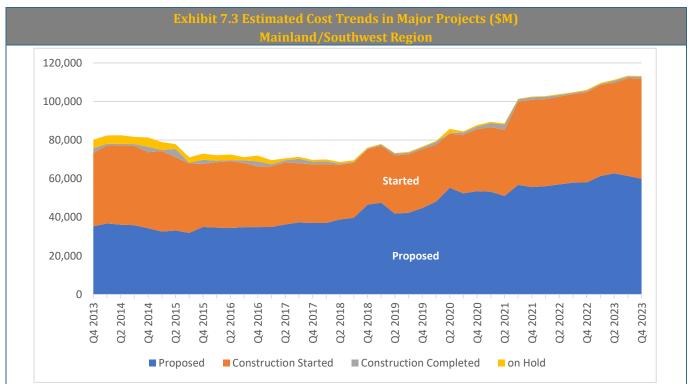
### **Key Economic Indicators**





### MAINLAND/SOUTHWEST REGION

### **Trends in Major Projects**



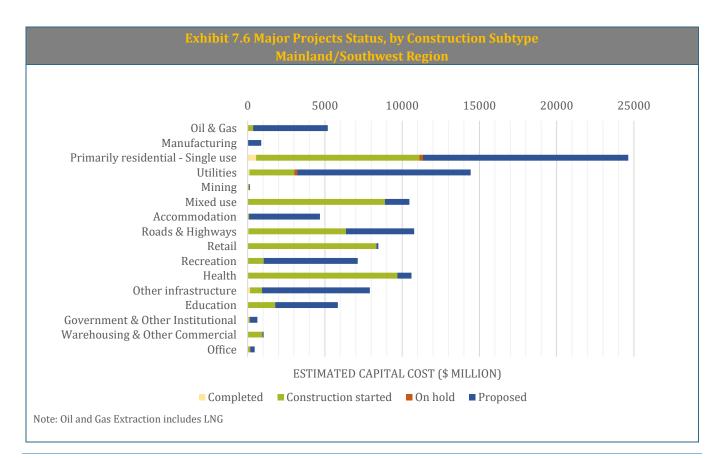
- In Q4 2023, the Mainland/Southwest region had a total of 559 major projects with a combined value of \$113.30 B, representing a 0.1% decrease from the previous quarter and a 6.8% increase compared to the previous year.
- There were 19 newly proposed projects added to the MPI this quarter. The top valued project was Vancouver Community College Centre for Clean Energy and Automotive Innovation (\$291 M) in Vancouver. See more new projects in Appendix 1.
- Twenty-two major projects began construction this quarter. Two notable projects that started construction were Richmond Hospital New Patient Care Tower (\$861 M) in Richmond and Vancouver General Hospital Operating Room Renewal Phase 2 (\$332 M) in Vancouver. See more projects underway in Appendix 2.
- Twenty-one major projects were completed in the fourth quarter. The most notable projects were GCT Vanterm Densification Project (\$160 M) in Vancouver and University District Condominiums (\$120 M) in Surrey. See more completed projects in Appendix 3.

Exhi	bit 7.4 Estimat		ids in Major id/Southwe		y Project S	tatus (\$ M)	
Status	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Change from the previous quarter	Change from the previous year
Proposed	58,068	61,377	62,749	61,397	59,904	-2.4%	3.2%
Construction started	46,640	47,254	47,045	50,539	51,974	2.8%	11.4%
Completed	843	480	1,003	978	963	-1.5%	14.2%
On hold	485	520	455	455	455	0.0%	-6.2%
Total	106,036	109,631	111,252	113,369	113,296	-0.1%	6.8%

# MAINLAND/SOUTHWEST REGION

Exhibit 7.5 Summary of Major Projects (by Project Status) Mainland/Southwest Region									
Estimated Capital Cost Percentage of Number of Average Project Value Average Year (\$ million) Total Projects (\$ million) Invento									
Proposed	59,904	53%	295	222	5.5				
Preliminary/Feasibility	19,769	17%	71	335	4.8				
Consultation/Approvals	19,547	17%	118	178	6.5				
Permitting	3,216	3%	15	230	5.0				
Tender/Preconstruction	9,532	8%	52	191	2.5				
Stage Unknown	7,840	7%	39	212	8.2				
On hold	455	0%	14	41	9.5				
Construction started	51,974	46%	229	231	5.3				
Completed	963	1%	21	48	5.0				
Total	113,296	100%	559	215	5.5				

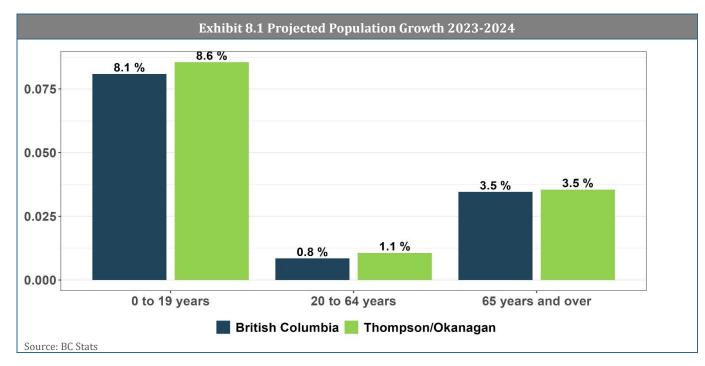
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

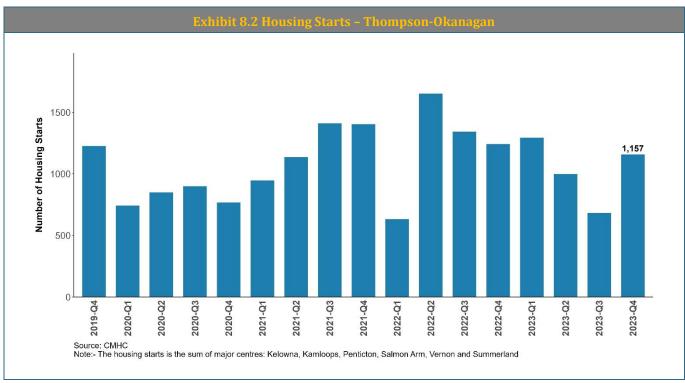


### THOMPSON - OKANAGAN REGION

### 8. Thompson - Okanagan Region

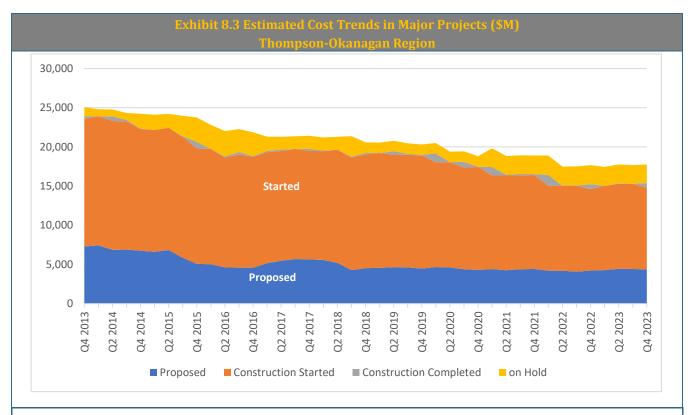
#### **Key Economic Indicators**





### THOMPSON - OKANAGAN REGION

### **Trends in Major Projects**



- In Q4 2023, the Thompson-Okanagan region had a total of 98 major projects with a combined value of \$17.77 B, an increase of 0.5% from the previous quarter and an increase of 0.5% from the previous year.
- There was one new project proposed in the MPI in this quarter.
- UBC Okanagan's xəl sic snpaxnwix<sup>w</sup>tn Collaborative Teaching and Research Centre (\$119 M) began construction this quarter.
- Five projects completed construction this quarter. Two notable projects were Coquihalla Highway Flood Recovery Projects Highway 5 (\$350 M) from Othello to Merrit and Highway 1 Salmon Arm West (\$140 M) in Salmon Arm. See more in Appendix 3.

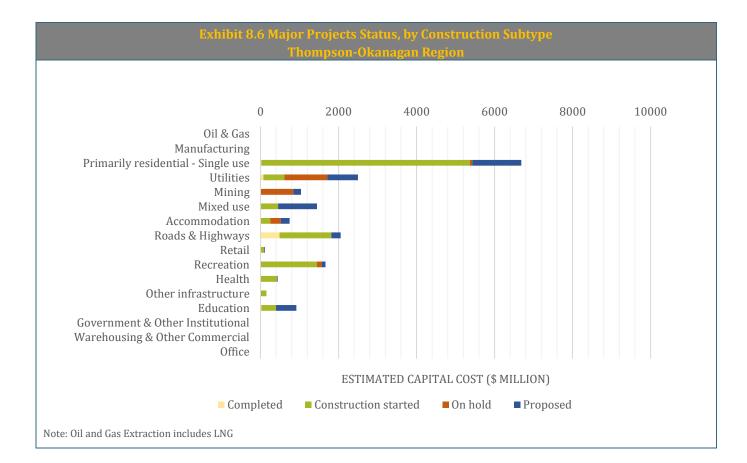
Exhibit 8.4 Estimated Cost Trends in Major Projects, by Project Status (\$ M) Thompson-Okanagan Region								
Status	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Change from the previous quarter	Change from the previous year	
Proposed	4,221	4,286	4,444	4,428	4,369	-1.3%	3.5%	
Construction started	10,399	10,748	10,857	10,873	10,412	-4.2%	0.1%	
Completed	640	0	73	0	604	-	-5.6%	
On hold	2,429	2,429	2,384	2,384	2,384	0.0%	-1.9%	
Total	17,689	17,463	17,758	17,685	17,769	0.5%	0.5%	

# 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	4,369	25%	38	129	8.3
Preliminary/Feasibility	774	4%	13	70	4.7
Consultation/Approvals	2,771	16%	13	213	12.1
Permitting	150	1%	1	150	18.8
Tender/Preconstruction	108	1%	4	27	1.1
Stage Unknown	566	3%	7	113	10.3
On hold	2,384	13%	7	341	17.4
Construction started	10,412	59%	48	231	10.8
Completed	604	3%	5	121	3.7
Total	17,769	1	98	195	9.9

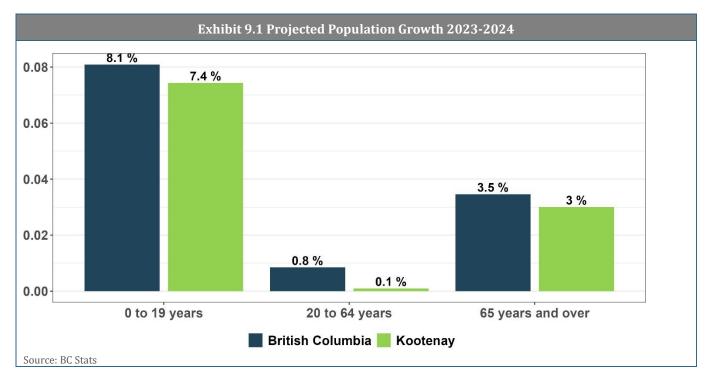
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

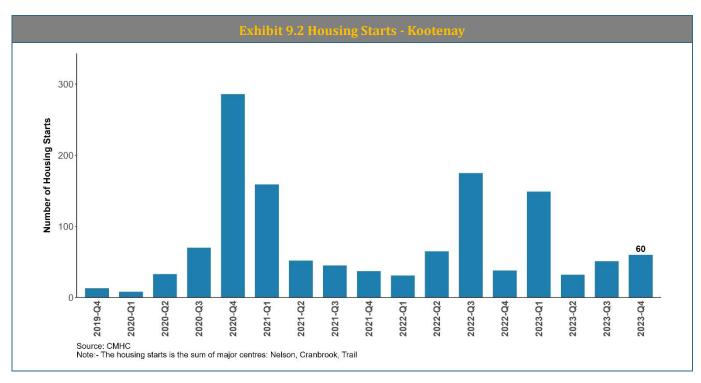


### **KOOTENAY REGION**

### 9. Kootenay Region

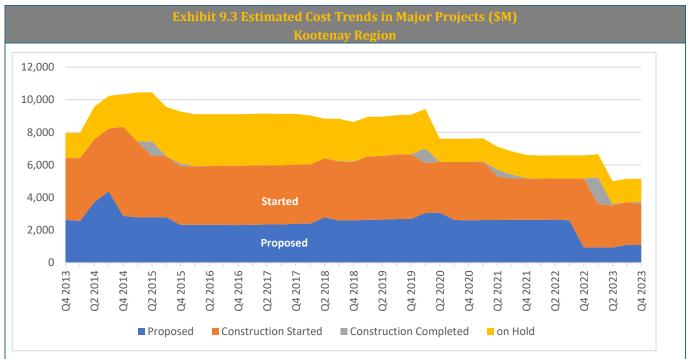
#### **Key Economic Indicators**





### **KOOTENAY REGION**

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



• In Q4 2023, the Kootenay region had a total of 34 major projects with a combined value of \$5.15 B, an increase of 0.1% from the previous quarter. This also represents a 21.9% decrease compared to the previous year.

• Two projects completed construction this quarter. These are Kootenay Lake Ferry Service Upgrade (\$85 M) in Belfour and Kootenay Boundary Regional Hospital Ambulatory Care (\$39 M) in Trail.

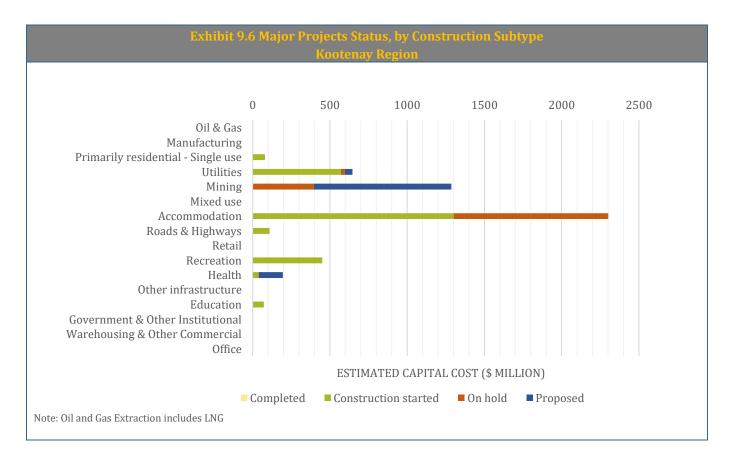
Exhibit 9.4 Estimated Cost Trends in Major Projects, by Project Status (\$M) Kootenay Region									
	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Change from the previous quarter	Change from the previous year		
Proposed	940	940	940	1,097	1,097	0.0%	16.7%		
Construction started	4,233	2,643	2,584	2,626	2,506	-4.6%	-40.8%		
Completed	0	1,654	59	0	124	-	-		
On hold	1,420	1,420	1,420	1,420	1,420	0.0%	0.0%		
Total	6,593	6,657	5,003	5,143	5,147	0.1%	-21.9%		

# **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	1,097	21%	10	219	7.9
Preliminary/Feasibility	0	0%	3	0	6.4
Consultation/Approvals	907	18%	4	302	7.5
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	0	0%	0	0	0.0
Stage Unknown	124	2%	2	62	4.8
On hold	1,420	28%	3	473	17.5
Construction started	2,506	49%	19	132	12.3
Completed	124	2%	2	62	4.8
Total	5,147	100%	34	177	11.0

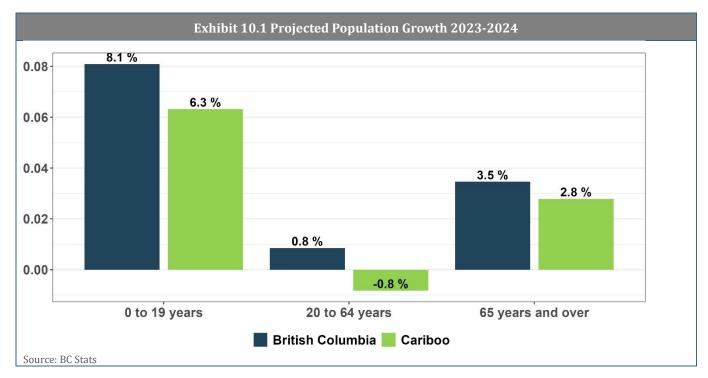
Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

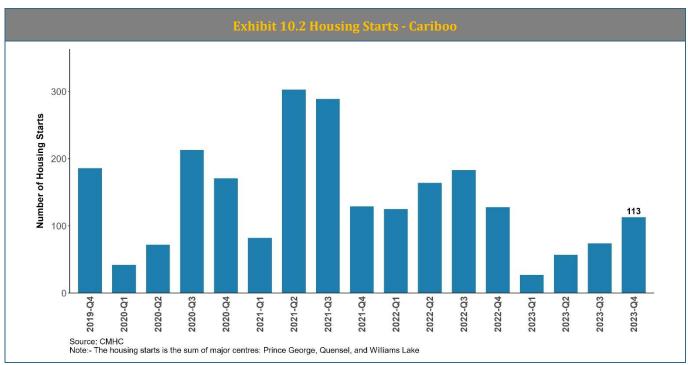


# CARIBOO REGION

### 10. Cariboo Region

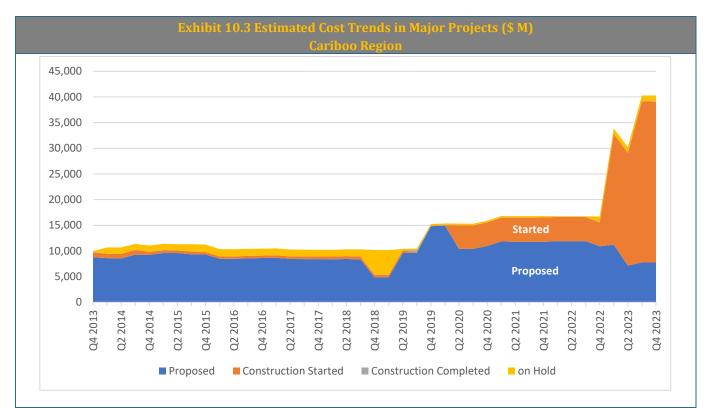
#### **Key Economic Indicators**





### CARIBOO REGION

### **Trends in Major Projects**



- In Q4 2023, the Cariboo region had a total of 33 major projects with a combined value of \$40.28 B, same as the previous quarter and 141.2% higher than Q4 2022.
- There was one new proposed project, Long-term Care Facility in Prince George.
- Two projects completed construction, including West Fraser Road Realignment (\$103 M) in Quesnel.

	Exhibit 10.4 Estimated Cost Trends in Major Projects, by Project Status (\$M) Cariboo Region									
us	Q4	4 2022 Q1 20	23 Q2 2023	Q3 2023	Q4 2023	Change from the previous quarter	Chang the p			
oosed	1	10.907 11.2	25 7.159	7.758	7,758	0.0%				

Proposed	10,907	11,225	7,159	7,758	7,758	0.0%	-28.9%
Construction started	4,651	21,551	21,923	31,423	31,299	-0.4%	573.0%
Completed	39	0	27	0	124	-	217.9%
On hold	1,100	1,100	1,100	1,100	1,100	0.0%	0.0%
Total	16,697	33,876	30,209	40,281	40,281	0.0%	141.2%

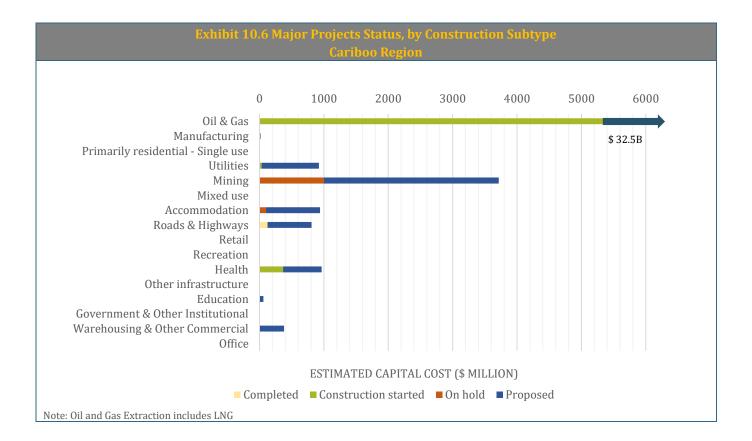
# CARIBOO REGION

### 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	7,758	19%	25	353	8.9
Preliminary/Feasibility	2,430	6%	10	347	5.9
Consultation/Approvals	2,898	7%	9	322	9.0
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	60	0%	1	60	24.9
Stage Unknown	2,370	6%	5	474	11.6
On hold	1,100	3%	2	550	25.0
Construction started	31,299	78%	4	7,825	6.8
Completed	124	0%	2	62	3.0
Total	40,281	100%	33	1,343	9.3

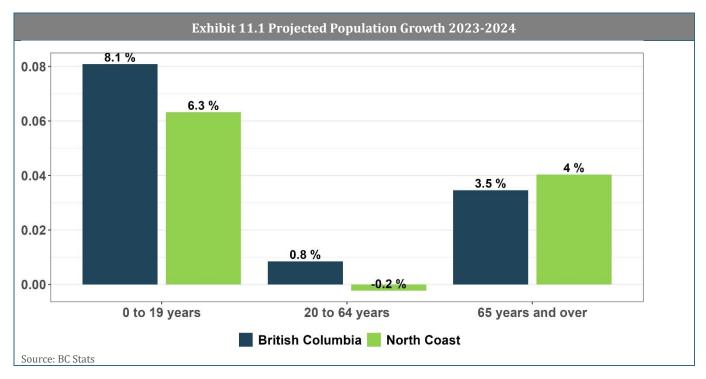
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

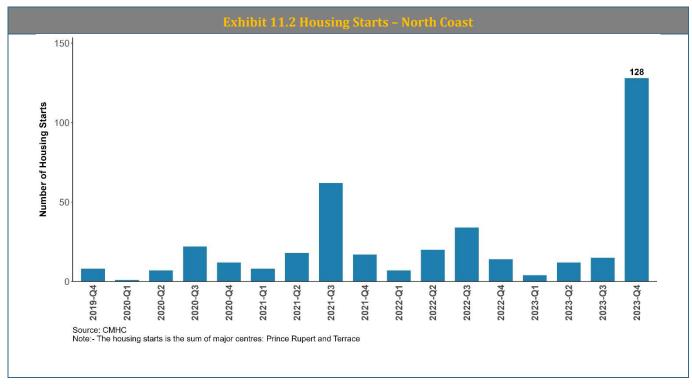


# NORTH COAST REGION

### 11. North Coast Region

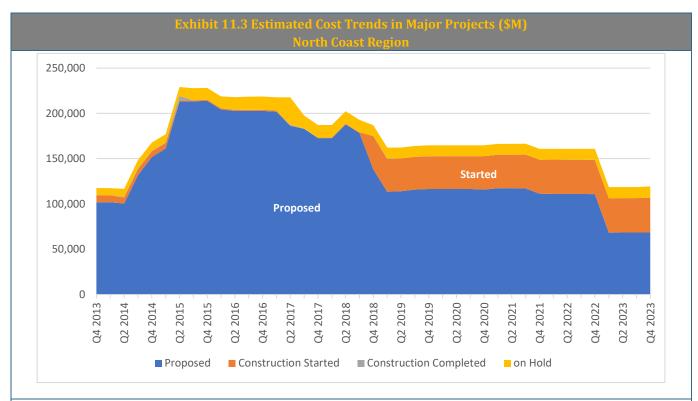
#### **Key Economic Indicators**





#### NORTH COAST REGION

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



• In Q4 2023, the North Coast region had a total of 59 major projects with a combined value of \$119.27 B, an increase of 0.53% from the previous quarter and a decrease of 25.8% from the previous year.

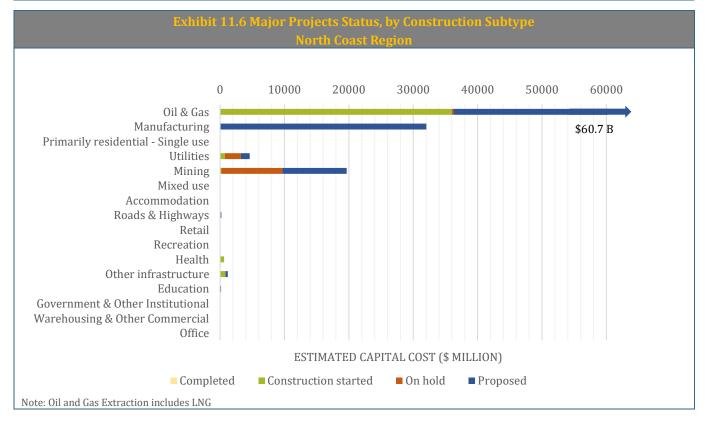
- There were two new proposed projects this quarter. See list in Appendix 1.
- Prince George to Terrace Capacitors Project (\$582 M) started construction in Q4-2023.
- Two projects completed construction this quarter. See list in Appendix 3.

Exhibit 11.4 Estimated Cost Trends in Major Projects, by Project Status (\$M) North Coast Region										
Status	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Change from the previous quarter	Change from the previous year			
Proposed	110,801	68,353	68,480	68,480	68,521	0.1%	-38.2%			
Construction started	37,773	37,877	37,894	37,916	38,432	1.4%	1.7%			
Completed	276	75	0	0	66	-	-76.1%			
On hold	11,981	12,251	12,251	12,251	12,251	0.0%	2.3%			
Total	160,831	118,556	118,625	118,647	119,270	0.53%	-25.8%			

### 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	68,521	57%	32	2,284	10.6							
Preliminary/Feasibility	10,375	9%	4	3,458	13.0							
Consultation/Approvals	29,778	25%	15	1,985	10.1							
Permitting	250	0%	1	250	5.6							
Tender/Preconstruction	11,463	10%	5	2,293	6.3							
Stage Unknown	16,655	14%	7	2,776	13.9							
On hold	12,251	10%	13	1,531	13.5							
Construction started	38,432	32%	12	3,203	3.6							
Completed	66	0%	2	33	4.0							
Total	119,270	100%	59	2,294	9.6							

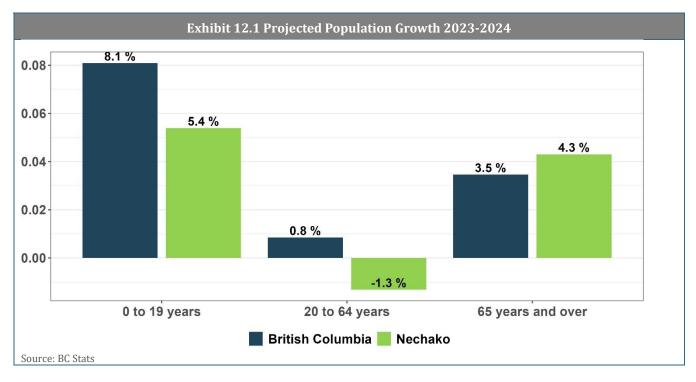
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.



# NECHAKO REGION

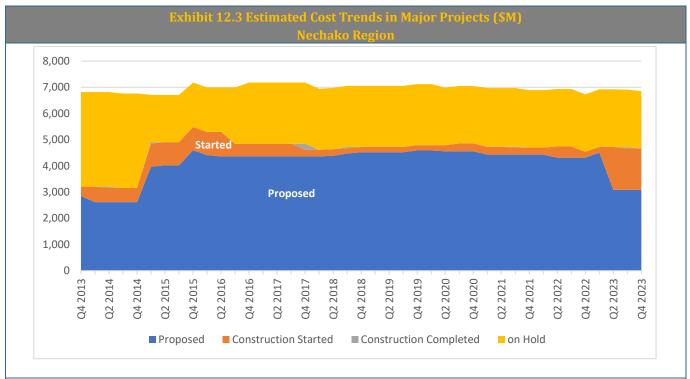
### 12. Nechako Region

#### **Key Economic Indicators**



### NECHAKO REGION

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



In Q4 2023, the Nechako region had a total of 18 major projects with a combined value of \$6.86 B, a 0.8% decline from the previous quarter and a 1.8% increase from the same quarter in 2022.

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

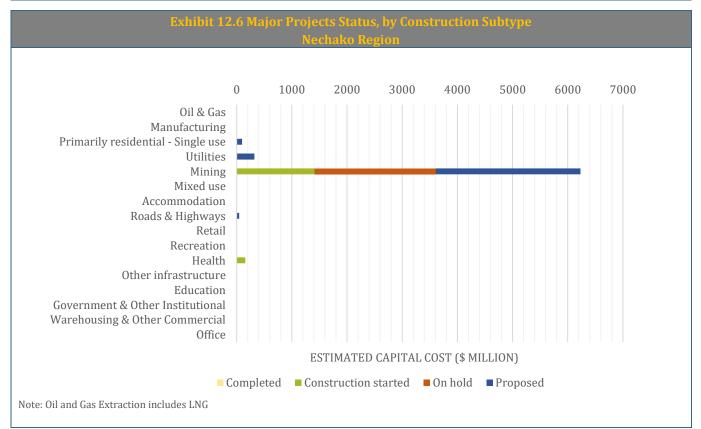
Status	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Change from the previous quarter	Change from the previous year
Proposed	4,317	4,502	3,086	3,086	3,086	0.0%	-28.5%
Construction started	224	224	1,640	1,574	1,574	0.0%	602.7%
Completed	0	0	0	53	0	-100.0%	-
On hold	2,195	2,195	2,195	2,195	2,195	0.0%	0.0%
Total	6,736	6,921	6,921	6,908	6,855	-0.8%	1.8%

## NECHAKO REGION

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

		Nechako Reg			
	Estimated Capital Cost (\$ million)	Percentage of Total	Number of Projects	Average Project Value (\$ million)	Average Year in Inventory
Proposed	3,086	45%	11	309	14.5
Preliminary/Feasibility	925	13%	3	308	18.0
Consultation/Approvals	861	13%	6	144	12.8
Permitting	0	0%	0	0	0.0
Tender/Preconstruction	0	0%	0	0	0.0
Stage Unknown	1,300	19%	2	1,300	14.3
On hold	2,195	32%	4	549	19.5
Construction started	1,574	23%	3	787	9.7
Completed	0	0%	0	0	0.0
Total	6,855	100%	18	428	14.8

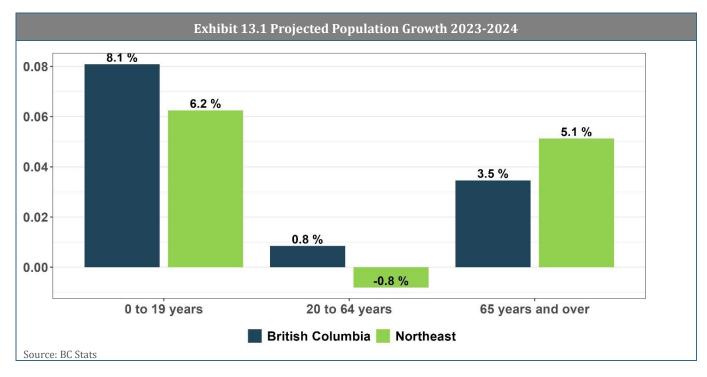
Notes: Average project value is the average of those projects for which there is a cost estimate. Average number of years in inventory is the average time span between the entry of the projects in the MPI and the current period.

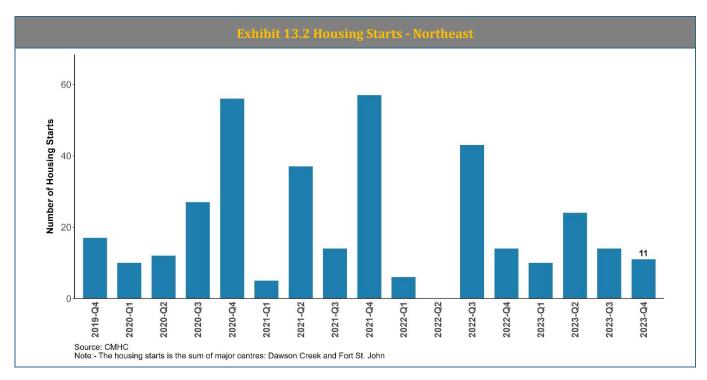


### NORTHEAST REGION

#### 13. Northeast Region

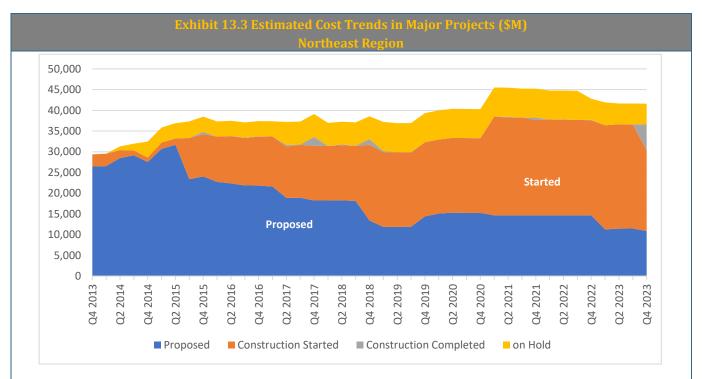
#### **Key Economic Indicators**





#### NORTHEAST REGION

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



- In Q4 2023, the Northeast region had a total of 35 major projects with a combined value of \$41.59 B, 0.12% lower than the previous quarter and 2.9% lower than a year before.
- Dawson Creek Hospital (\$590 M) in Dawson Creek started construction in Q4-2023.
- Two projects completed construction in the fourth quarter of 2023, including the Coastal GasLink Pipeline Project (\$6.2 B) in Dawson Creek.

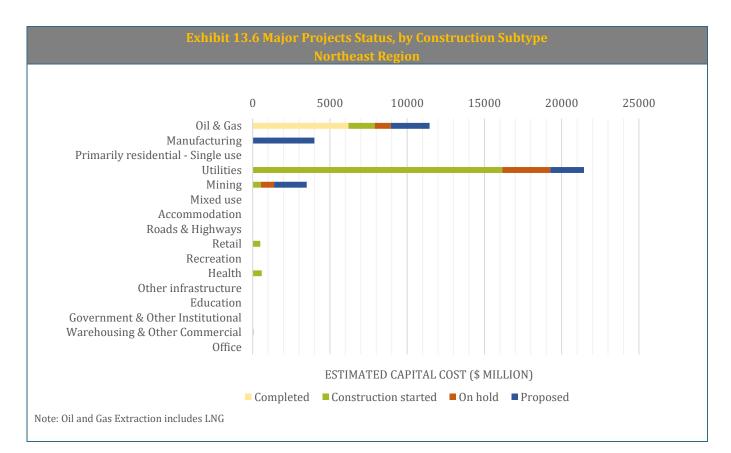
Exhibit 13.4 Estimated Cost Trends in Major Projects, by Project Status (\$M) Northeast Region									
Status	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Change from the previous quarter	Change from the previous year		
Proposed	14,667	11,239	11,451	11,468	10,878	-5.1%	-25.8%		
Construction started	22,942	25,166	25,166	25,115	19,477	-22.4%	-15.1%		
Completed	105	0	0	51	6,228	12111.8%	5831.4%		
On hold	5,101	5,511	5,010	5,010	5,010	0.0%	-1.8%		
Total	42,815	41,916	41,627	41,644	41,593	-0.12%	-2.9%		

### 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	10,878	26%	18	640	10.6
Preliminary/Feasibility	2,500	6%	1	2,500	4.1
Consultation/Approvals	3,740	9%	7	623	11.5
Permitting	1,520	4%	2	760	6.6
Tender/Preconstruction	40	0%	1	40	10.6
Stage Unknown	3,078	7%	7	440	11.8
On hold	5,010	12%	6	835	13.5
Construction started	19,477	47%	9	2,164	8.6
Completed	6,228	15%	2	3,114	7.5
Total	41,593	100%	35	1,223	10.4

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.



## Appendices

	New Proposed	Projects (October - December 2023)	
Region	Municipality	Project	Estimate Cost (\$ Million
	Burnaby	Brentwood Park Elementary Upgrades	
	Burnaby	Rosser Ave Condominium	
	Coquitlam	Pine and Glen East Tower	
	Coquitlam	Kora by Strand	
	Langley	Azure Grove Condominium	
	Maple Ridge	Dewdney Trunk Road Condominium	
	Port Coquitlam	Town and Centre Highrise Condominium	
	Richmond	Riva 4 Condominium	
	Surrey	Parkway 2 - Intersect Highrise	
Mainland/Southwest	Surrey	Elementary School Additions	
Finimular bountwest	Surrey	Halo Lowrise Condominiums	
	Surrey	The Manhattan Condominium	
	Surrey	Guilden Condominium	
	Vancouver	Fraser Street Condominium	
	Vancouver	Vancouver Community College - Centre for Clean Energy and Automotive Innovation	
	Vancouver	Social Housing	
	Vancouver	Edition Condominium	
	Vancouver	375 East 1st Avenue Condominium	
	White Rock	The Landmark at Foster Martin	
	Nanaimo	Park & Fourth Condominium	
Vancouver Island/Coast	Sooke	Elementary School Additions	
	Victoria	Belleville Terminal Redevelopment	3
Thompson-Okanagan	Enderby	Baxter Bridge Replacement	
Cariboo	Prince George	Long-term Care Facility	
North Coast	Prince Rupert	Social Housing	
NULUI CUASI	Prince Rupert	McBride Street Roundabout	
Total			1,4

Construction Started (October - December 2023)							
Region	Municipality	Project	Completion Date	Estimated Cost (\$ Million)			
	Saanich	Royal Oak Fire Station Replacement	2024-Q4	44			
Vancouver	Saanich	Central Block Condominium	2025-Q1	20			
Island/Coast	Tofino	Tofino Wastewater Treatment Plant	2024-Q4	78			
	Victoria	Spencer Block Apartment Building	2025-Q4	32			
	Burnaby	Perla Condominiums		62			
	Burnaby	South Yards Condominiums	2027-Q2	95			
	Burnaby	Stride Avenue Community Elementary	2026-Q1	47			
	Coquitlam	Skylark Condominiums	2024-Q4	35			
	Langley	Cascadia Townhomes	2025-Q4	48			
	Metro Vancouver	Station Access and Safety Project	2026-Q4	63			
	New Westminster	First and Royal Condominium	2025-Q4	28			
	North Vancouver	Elle Condominiums	2026-Q2	30			
	Port Coquitlam	Westminster Junction Affordable Housing	2025-Q4	96			
		Richmond Hospital New Patient Care	2023-Q4	90			
	Richmond	Tower	2031-Q4	861			
	Surrey	Onyx & Ivory Lowrise Condominium	2024-Q4	20			
Mainland/Southwest	Surrey	Chelsea at the Boroughs	2024-Q4	20			
	Surrey	Lucent Highrise Condominium	2026-Q4	80			
	Surrey	Fleetwood - Distribution Feeder Ductbank and Feeder Installation (FV- FVW-023)		41			
	Surrey	Viva Condominium	2025-Q1	20			
	Vancouver	Vancouver General Hospital - Operating Room Renewal (Phase 2)	2028-Q2	332			
	Vancouver	Marpole Community Centre	2026-Q4	91			
	Vancouver	Block Residences	2026-Q4	35			
	Vancouver	Davie Village Social Housing	2026-Q4	91			
	Vancouver	Block Condominium Development	2025-Q4	30			
	Vancouver	1818 Alberni Highrise Condominium	2025-Q2	30			
	West Vancouver	Gleneagles Pump Station Upgrades	2027-Q4				
Thompson-Okanagan	Kelowna	UBC Okanagan's xəl sic snpaxnwix <sup>w</sup> tn Collaborative Teaching and Research Centre	2025-Q4	119			
North Coast	Vanderhoof, Burns Lake, Terrace	Prince George to Terrace Capacitors Project		582			
Northeast	Dawson Creek	Dawson Creek Hospital	2027-Q4	590			
Total				3,620			

Construction Completed (October - December 2023)							
Region:	Municipality	Project	Estimated Cost (\$ Million)				
Vancouver	Goldstream	Highway Flood Recovery Projects - Malahat	24				
Island/Coast	Victoria	Mod Condominium	22				
	Abbotsford	Highway 11 Nexus Lane and Vye Road Overpass	47				
	Burnaby	Laurel Street Works Yard	55				
	Burnaby	Ballantree Townhomes	20				
	Chilliwack	Wahleach Refurbish Generator Project	61				
	Coquitlam	Lake Buntzen 1 Coquitlam Tunnel Gates Refurbishment Project	67				
	Coquitlam	Port & Mill Condominium	34				
	Coquitlam	Cardinal Condominium	28				
	Delta	Scott & Nicholson Lowrise Condominium	38				
	New Westminster	618 Carnarvon Condominium	48				
Mainland /Cauthuraat	Port Coquitlam	Condominium Development	20				
Mainland/Southwest	Surrey	University District Condominiums	120				
	Surrey	Habitat@81st Affordable Housing	50				
	Surrey	Hazelwood Townhouses	28				
	Surrey	Woodward Townhouses	28				
	Surrey	The Boroughs Condominium	20				
	Vancouver	GCT Vanterm Densification Project	160				
	Vancouver	The Conservatory Condominiums	40				
	Vancouver	David Lloyd George Elementary School Replacement	24				
	Vancouver	The Conservatory Condominium	40				
	Vancouver	Cambie Gardens Condominiums					
	White Rock	Soleil Highrise Condominium	35				
	Kamloops	TRU Student Housing	19				
	Kelowna	Rose Valley Water Treatment Plant	75				
Thompson-Okanagan	Lake Country	Zara at Lakestone	20				
monipoon onanagan	Othello To Merrit	Highway Flood Recovery Projects - Highway 5 (Coquihalla)	350				
	Salmon Arm	Highway 1 - Salmon Arm West	140				
	Balfour	Kootenay Lake Ferry Service Upgrade	85				
Kootenay	Trail	Kootenay Boundary Regional Hospital Ambulatory Care	39				
Cariboo	Prince George	Simon Fraser Bridge Rehabilitation	21				
Garibuu	Quesnel	West Fraser Road Realignment	103				
North Coast	Prince Rupert, Terrace, Smithers, Topley & Vanderhoof	Highway 16 Passing Lanes and Intersection	43				

APPENDICES							
	Terrace	Old Skeena Bridge Rehabilitation	23				
Northeast	Dawson Creek	Coastal GasLink Pipeline Project	6200				
Northeast	Dawson Creek	Eighth Street Bridge	28				
Total			8,155				

Project Value and Proje	Project Value and Project Status for each Industry Sector (October - December 2023)								
Category	Proposed	Construction started	Completed	On hold	Total				
Oil & Gas	33,355	68,950	6,200	1,320	109,825				
Manufacturing	36,929	0	0	0	36,929				
Primarily residential - Single use	16,173	21,920	591	327	39,011				
Utilities	18,366	22,167	203	11,035	51,771				
Mining	18,603	2,218	0	14,780	35,601				
Mixed use	3,630	11,788	0	1,000	16,418				
Accommodation	7,662	1,642	0	1,421	10,725				
Roads & Highways	5,710	7,744	864	0	14,318				
Retail	615	8,940	0	0	9,555				
Recreation	6,253	3,206	0	194	9,653				
Health	2,074	12,817	39	0	14,930				
Other infrastructure	9,377	1,872	160	0	11,409				
Education	6,578	2,809	43	0	9,430				
Government & Other Institutional	521	1,652	55	0	2,228				
Warehousing & Other Commercial	522	1,005	0	0	1,527				
Office	314	136	0	80	530				
Total	166,682	168,866	8,155	30,157	373,860				

#### **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	78	10	0	19	0	25	7	139			
Mainland/Southwest	362	32	7	36	2	83	16	538			
Thompson/Okanagan	43	11	3	15	0	16	5	93			
Kootenay	10	2	7	8	0	3	2	32			
Cariboo	5	4	8	8	2	4	0	31			
North Coast	3	11	21	14	4	4	0	57			
Nechako	1	1	13	2	0	1	0	18			
Northeast	3	2	9	15	2	2	0	33			
Total	505	73	68	117	10	138	30	941			

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

## B.C. GOVERNMENT CONTACT

#### B.C. Government Contact

Ermias Afeworki, Ministry of Post-Secondary Education and Future Skills Tel: (778) 698-1134 Email: <u>Ermias.Afeworki@gov.bc.ca</u> www.majorprojectsinventory.com



Ministry of Post-Secondary Education and Future Skills