

## Community Level Infrastructure and Services Management Plan 2023 Annual Report

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June 26, 2024

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### Executive Summary

LNG Canada is committed to managing socio-economic effects associated with the construction and operation of its liquefied natural gas (LNG) facility and marine terminal (the Project). LNG Canada began implementation of its Community Level Infrastructure & Services Management Plan (CLISMP; the Plan) on April 1, 2019. The CLISMP addresses the requirements of LNG Canada's British Columbia Environmental Assessment Office (BC EAO) Environmental Assessment Certificate Condition 14 Community Services and Infrastructure and the concerns raised by Indigenous groups, local governments, community groups and stakeholders over potential adverse socio-economic effects that are directly attributed to the Project.

The Project received 2,811 Project-related inquiries through its Community Feedback Process in 2023. Of these, 21 were concerns and complaints with nine of the 21 concerns being related to health. All concerns and complaints were investigated and resolved within 10-business days.

Based on feedback received in February, SMRs were restructured to focus on six of the core areas within five working group sessions, which entailed: 1. Housing & Accommodations; 2. Community Health; 3. Traffic & Emergency Response; 4. Solid Waste; and 5. Education. Through the SMR process, LNG Canada heard from childcare facilities, the Coast Mountains School District (CMSD) 82, and the Regional District of Bulkley-Nechako (RDBN) that they were experiencing direct effects from the Project. There were a few CMSD 82 classrooms reaching and exceeding capacity due to the children of relocated workers. The RDBN contacted LNG Canada highlighting impacts to their waste management facilities as the Project utilized these facilities for waste from Cedar Valley Lodge. The Project implemented social impact management measures<sup>1</sup> to reduce its direct effect on childcare, education, and solid waste. This involved supporting Kitimat childcare facilities with adding an additional 30 childcare spaces; Kitimat schools, which included the Haisla Community School and St. Anthony's Catholic school, with funding; and the RDBN with funding to offset its direct impact.

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<sup>1</sup> Activities to avoid/minimize negative impacts and enhance positive impacts related to LNG Canada's business and operations (e.g., fence-line health impacts) (LNG Canada 2023c).

# SUMMARY OF PROJECT DIRECT EFFECTS BY SOCIAL MANAGEMENT PLAN • 2023



**DIRECTION  
OF EFFECT:** —

## Housing & Accommodations

The Project limited direct demand for housing and accommodations by prioritizing hiring from the local area, providing housing for non-local workers on-site at Cedar Valley Lodge, providing company housing for relocated Project employees with partners/spouses and/or family, and not providing living out allowances.



**DIRECTION  
OF EFFECT:** —

## Traffic – Air

In 2023, direct effects of the Project on the Northwest Regional Airport (YXT)'s infrastructure and commercial flights were limited. The Project used chartered flights for approximately 95.9% of the workforce in 2023. The Project workforce accounted for approximately 1.6% of the commercial passengers through YXT in 2023.



**DIRECTION  
OF EFFECT:** —

## Traffic – Road

The Project limited the use of vehicles and workers' personal vehicles on roads by transporting workers via shuttles to and from site with pick-up points in Kitamaat, Kitimat and Terrace. These measures work to reduce traffic congestion on roads and limited the risk of vehicle collisions.



**DIRECTION  
OF EFFECT:** —

## Emergency Response

The Project limited direct demand for local emergency services by engaging directly with local first responders, conducting internal training and exercises where key stakeholders are invited to observe, and implementing Emergency Response Plans, SAFER Together Programs, and Workers Code of Conduct and Cultural Awareness Training.



**DIRECTION  
OF EFFECT:** —

## Community Health

The Project limited direct demands on local medical services by providing services on-site and having regular communications and coordination efforts with local health officials.



**DIRECTION  
OF EFFECT:** —

## Community Amenities

By offering a complete array of amenities and services at Cedar Valley Lodge, such as a full range of indoor and outdoor leisure and recreational opportunities, expansive dining options, and programming, the Project limited direct demand for community amenities such as recreation facilities.



**DIRECTION  
OF EFFECT:** ▼

## Education

By limiting the number of employees relocated to Kitimat with their partners/spouses and children, the Project reduced its direct effect on school facilities and educational programs. However, the Project implemented social impact management measures to further reduce its direct effect as it was identified that Kitimat schools were being impacted by the increased demand from accompanying children of Project staff.



**DIRECTION  
OF EFFECT:** ▼

## Utilities (i.e., solid waste)

The Project is adaptively managing its direct effect on regional waste management facilities. The Project continues to work directly with Regional District of Kitimat-Stikine to reduce its impact on the regional landfill. The Project implemented social impact management measures to support the expansion of the Regional District of Bulkley-Nechako Clearview Sub-Regional Landfill.

### LEGEND — POST MITIGATION EFFECTS



Positive Effect



Adverse Effect



No Direct



## 1. Introduction

LNG Canada is committed to managing socio-economic effects associated with the construction and operation of its liquefied natural gas (LNG) facility and marine terminal (the Project). LNG Canada began implementation of its Community Level Infrastructure & Services Management Plan (CLISMP; the Plan) on April 1, 2019. The CLISMP addresses the requirements of LNG Canada's Environmental Assessment Certificate (EAC) *Condition 14 Community Services and Infrastructure* and the concerns raised by Indigenous groups, local



LNG Canada Site Module Delivery, Kitimat

governments, community groups and stakeholders over potential adverse socio-economic effects that are directly attributed to the Project. The CLISMP reports on several Social Management Plans (SMPs) that outline actions to achieve the following:

- » Mitigate the Project's adverse direct effects<sup>2</sup> on community level infrastructure and services,
- » Develop community engagement mechanisms,
- » Identify socio-economic mitigations and monitoring metrics, and
- » Report on adaptive management measures.

The CLISMP scope focuses on communities near the LNG Plant footprint, including the District of Kitimat (DOK or Kitimat), City of Terrace (COT or Terrace), Regional District of Kitimat-Stikine (RDKS), Haisla Nation, Kitselas First Nation, and Kitsumkalum First Nation, that have greater potential to experience Project-related effects on community infrastructure and services. The Gitxaala Nation and Gitga'at First Nation are also included for the potential effects on health infrastructure and services.

The LNG Canada CLISMP 2023 Annual Report is intended to inform the British Columbia Environmental Assessment Office (BC EAO), BC Ministry of Municipal Affairs (MUNI), Indigenous groups, and stakeholders about: Project updates, CLISMP reporting metrics, mitigation effectiveness, and adaptive mitigation measures during the CLISMP's implementation from January 1–December 31, 2023.

This report was prepared by LNG Canada and Stantec Consulting Ltd. (Stantec) with Project data input and review provided by JGC Fluor BC LNG JV (JFJV). LNG Canada wishes to acknowledge and thank the organizations who provided data for this report and participated in SMR meetings.

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<sup>2</sup> A direct effect is one that results from Project activities or is related to the Project's temporary workforce.

## 2. Project Engagement

LNG Canada’s stakeholder and Indigenous engagement program is designed to support CLISMP implementation and aims to:

- » Improve awareness and understanding of the Project and its potential effects,
- » Minimize potential adverse effects and enhance Project benefits by identifying areas that need improvement,
- » Develop and maintain relationships, and
- » Address concerns, where possible.

### 2.1. ENGAGEMENT OVERVIEW

Table 2-1 outlines a range of CLISMP-related engagement activities carried out by LNG Canada and JFJV during 2023. These activities are complemented by routine and frequent engagement with regulators, Indigenous groups, community organizations, and local governments. LNG Canada reviews its engagement mechanisms on an ongoing basis and revises its approach as needed. Additional engagement and consultation activities beyond the scope of the CLISMP are not included below.

*Table 2-1 Project Community Engagement Activities in 2023*

Engagement Type	Activities
Regulatory	One meeting was held with the BC EAO on February 16, 2023, where CLISMP was the focus area.
Community Feedback Process	2,811 Project-related inquiries were received from community members and addressed by JFJV and LNG Canada between January 1 and December 31, 2023. Of these, 21 were concerns and complaints and nine of the 21 concerns were related to health. All concerns and complaints were investigated and resolved within 10-business days.
Project Website and Facebook Page	<a href="http://www.jfvkitimat.com">www.jfvkitimat.com</a> provides online construction updates and employment and contract opportunities. <b>Follow JFJV Kitimat</b> on <a href="#">Facebook</a> (6,900+ followers) <a href="http://www.lngcanada.ca">www.lngcanada.ca</a> provides online Project information. <b>Follow LNG Canada</b> on <a href="#">Facebook</a> (34,000+ followers)
Project Resource Centre (PRC)	A walk-in PRC, located in Kitimat, is open Monday through Friday during regular business hours. It is closed on weekends and statutory holidays. The community is also able to reach the Project via email through Community Feedback at <a href="mailto:info@jfvkitimat.com">info@jfvkitimat.com</a> and phone 250-632-5358 or 1-888-499-5358.
Social Management Roundtable (SMR)	<b>February 22-23, 2023:</b> four working groups, representing a total of 22 organizations, including Indigenous groups, government agencies and stakeholder groups joined the session in Terrace.



Engagement Type	Activities
	The focus of the February 2023 SMR was to receive feedback on the SMR process and to identify opportunities for improvement.
Social Management Roundtable (SMR) (cont'd)	<p>Participants were offered various methods of providing feedback, including verbal input throughout sessions, individual meetings with LNG Canada, email feedback, printed copies of feedback forms, and a survey issued after the SMR.</p> <p><b>May 9, 2023:</b> four working groups, representing a total of 24 organizations, including Indigenous groups, government agencies and stakeholder groups joined the session in Kitimaat Village. A Terrace focus group was also held in Terrace on May 10, 2023<sup>3</sup>.</p> <p><b>August 22-23, 2023:</b> three working groups<sup>4</sup>, representing a total of 19 organizations, including Indigenous groups, government agencies and stakeholder groups joined the session in Kitimat.</p> <p><b>November 20-22, 2023:</b> four working groups, representing a total of 19 organizations, including Indigenous groups, government agencies and stakeholder groups joined the session. The November 2023 SMR meeting was held in-person in Kitimat for Education and Terrace for all other sessions.</p> <p>Based on feedback received from SMR participants, the frequency of the SMR meetings was reduced from quarterly meetings to bi-annual meetings. This was to increase the effectiveness of the SMR meetings and to reduce engagement fatigue. See Section 2.2 for more information on SMR meetings.</p>
Open Houses	<p>LNG Canada hosted three open houses in 2023:</p> <ul style="list-style-type: none"> <li>• November 21 in Kitimaat Village</li> <li>• November 22 in Kitimat</li> <li>• November 26 in Burnaby for Haisla Nation members living in the Lower Mainland</li> </ul>
Municipal Government Engagement	<p>Project updates are provided multiple times per year to local municipalities with an opportunity for municipal leaders to ask the Project questions and provide feedback. The following meetings took place with municipal elected officials in 2023:</p> <ul style="list-style-type: none"> <li>• COT received a Project update on February 8</li> <li>• Updates on social impacts and benefits were delivered jointly to the DOK and COT on May 17</li> <li>• RDKS received a Project update on November 17</li> </ul>

<sup>3</sup> During the February 2023 SMR, feedback was received that some Terrace participants feel the SMR working groups are too focused on Kitimat, which creates a gap in discussing felt impacts and mitigations specific to Terrace. To better understand this request and other feedback received, LNG Canada hosted a Terrace-specific session on May 10, 2023, at the Terrace Sportsplex.

<sup>4</sup> In June 2023, SMR participants were offered an opportunity to identify new and emerging issues that are not typically addressed through SMR. Based on participant feedback, the working group sessions focused on education, affordable housing, and social investment versus social impact management.

Engagement Type	Activities
	<p>In 2023, informal bi-weekly discussions were held with the DOK's Chief Administrative Officer and informal monthly meetings with the COT's City Manager.</p> <p>The cadence of the meetings has been modified at the request of the stakeholders with frequent informal communications occurring.</p>
<p>Social Management Roundtable Feedback Survey</p>	<p>A survey regarding SMR reporting, process, and overall forum, was sent to participants following the February SMR meeting in February 2023 via Menti. Feedback from the survey was implemented in 2023.</p>
<p>Community Monitoring</p>	<p>In 2023, 22 check-in meetings with service providers occurred in support of the community monitoring data collection.</p>

## 2.2. SOCIAL MANAGEMENT ROUNDTABLE

The SMR serves as an engagement forum convened by LNG Canada and JFJV to evaluate the effectiveness of mitigation measures outlined in the CLISMP. The SMR follows a shared responsibility framework, and participants include subject matter experts from the Project team, local government, regional and provincial agencies, nearby Indigenous communities, and local service providers. Section 7.1 identifies participating organizing.

In 2023, the SMR meetings were composed of five working groups, which convened to review Project metrics and community monitoring trends, and to gather feedback and better understand the experiences of the community. Working groups were: 1. Housing & Accommodations; 2. Community Health; 3. Traffic & Emergency Response; 4. Solid Waste; and 5. Education.

In previous years, there was one working group for Community Amenities, Utilities & Education. However, following feedback received in February 2023, that working group was divided so that the appropriate subject matter experts and service providers could attend working group meetings of interest to them. Two working groups were created: one for Solid Waste and one for Education. These working groups continued to meet at the same cadence of other working groups with the Education working group timing being moved to after school hours. SMR participants were informed that there would not be meetings for Community Amenities unless requested. There were no requests to discuss Community Amenities in 2023.

Action items were identified for the Project team and other SMR participants, along with more complex items for follow up discussion by the BC Government. A quarterly summary report evaluating mitigation effectiveness and capturing meeting highlights was prepared and published online after each session. Section 4 integrates themes that arose from the SMR meetings in the community monitoring and mitigation effectiveness and adaptive management discussions. Appendix B summarizes SMR action items.

### 3. Project Update

Phase 1 of the Project entails the construction of two LNG trains and the marine terminal. Phase 1 of the Project began in Q2 2019 and will be complete in 2024 (subject to change). Between 2019 and 2021, construction activities focused on on-site preparation, the construction of Cedar Valley Lodge, and the marine terminal. Major construction of the LNG plant commenced in 2022 with a focus on the assembly of the LNG facility and associated components. As of December 2023, construction of the LNG Canada gas liquification and export facility was more than 85% complete.

**PROJECT HIGHLIGHTS IN 2023:**

- » The Project successfully completed the hydro test of the LNG tank, which ensures its safety and reliability
- » Finished the non-process buildings
- » Erected the liquid and vapour flare derricks
- » Completed the installation of all 215 of the large modules required
- » Overall site construction at 85% completion

#### 3.1. WORKFORCE

LNG Canada, JFJV and subcontractors are required to follow a “Local Hire First” policy that evaluates qualified applicants and prioritizes the hiring of Haisla members and their spouses, followed by residents from the Kitimat-Terrace area and members of nearby Kitselas, Kitsumkalum, Gitga’at, Gitxaala, Metlakatla, and Lax Kw’alaams First Nations. Local workers commute daily from their homes.

The next hiring priority is given to BC residents and then Canadians more broadly, both categorized as “non-local.” Non-local workers are accommodated in Cedar Valley Lodge. During the May 2023 SMR, LNG Canada reviewed the changes to the Accommodation Strategy that were anticipated to be in effect for the remainder of 2023. The strategy included prioritizing the use of open lodges and then the use of hotels and motels, when required. In 2023, the use of hotels and motels was strictly for individuals who are not actively working on the construction scopes (e.g., corporate relations, leadership, and engagement leads).

Relocated workers are mostly LNG Canada employees with some being contractors’ senior management who have been relocated to Kitimat with partners/spouses and children and are accommodated in company-provided housing for the duration of their contracts. Company-provided houses are acquired through corporate leases.

The total employed workforce represents total persons employed to support work activities in Kitimat reported by LNG Canada, its contractors, subcontractors and sub-subcontractors, and is composed of local workers and non-local workers both on and off rotation as well as newly hired workers. The total employed workforce is higher than the total number of workers at the job site each day because it includes local and non-local workers on rotation in Kitimat, along with workers currently off rotation and newly hired workers mobilizing to site.

In 2023, the peak total workforce, which occurred in November, was 8,948. The November 2023 workforce included 752 workers from the local area, 965 women, and 513 Indigenous workers.



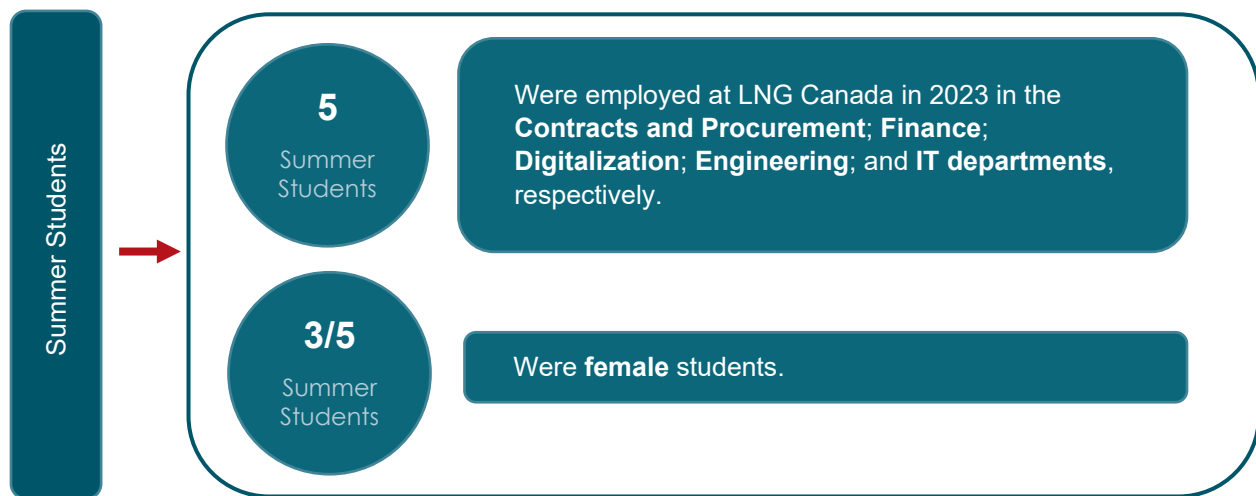
A monthly peak of 4,439 non-local workers was accommodated at Cedar Valley Lodge in December 2023 and a peak of 163 workers were relocated to Kitimat with partners/spouses and children and accommodated in company provided housing (October 2023). The monthly peak of workers who were relocated to Kitimat includes the total number of workers relocated, not just the number relocated during the month of October.

**Employment in Kitimat**

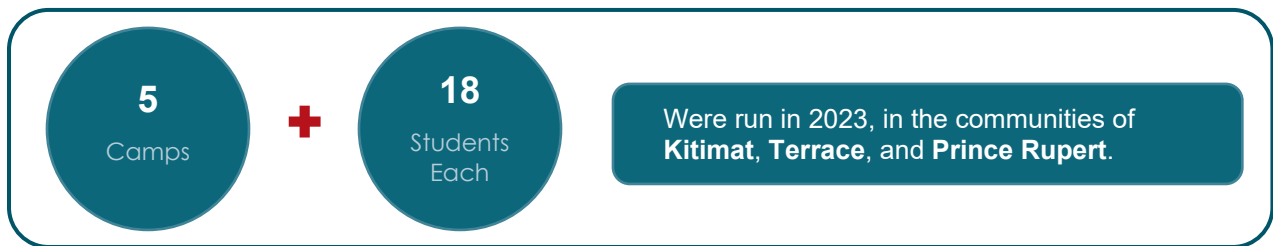
In July 2023, the Project employed a peak of 764 workers from local communities, who did not require accommodations on-site.

**3.2. WORKFORCE DEVELOPMENT**

LNG Canada has to date invested more than **CAD \$5 million in workforce development programs** trades training and development programs designed to increase the participation of local area residents, Indigenous communities, and BC in the Project.



LNG Canada continues to partner with the CWB Welding Foundation to deliver the **Arx and Sparx camp**. The Arx and Sparx camp, which is developed and facilitated by the CWB Welding Foundation, introduces Indigenous and non-Indigenous youth to the welding trade through projects that are culturally significant to Indigenous people within their communities and across Canada.



There was strong **Indigenous** and **gender diversity** in each camp.

### LNG CANADA PARTNERSHIPS SUPPORTED TRAINING AND APPLIED WORK OPPORTUNITIES:

- » **Trades Training Fund (TTF) Program:** In 2023, there were 119 applicants, 61 employers, and 85 recipients (87% males, 11% females, and 2% other). Three applicants were approved for the Northwest BC Early Childhood Educator funding. Since 2015, there have been 1,577 approved applications for funding, with 1,317 individuals who have benefited from the TTF (233 individuals were approved for two or more classes over the years). Thirty-five different types of training have been approved.
- » **LNG Canada Connect Program:** In 2023, there were ongoing intakes and programs (50+ intakes, 30+ placements, and 20+ employers). Since 2015, there has been a total of 459 placements in the region.
- » **The Gear Up Program** has a cumulative spend of over \$30,000 on tools/clothes and courses (since November 2015).
- » In 2023, the **Fourth Class Power Engineering Program** ran in partnership with Coast Mountain College and BC Institute of Technology (BCIT). Eleven students completed the program, one student was hired at Mills Memorial Hospital in Terrace and seven students were hired by LNG Canada.

## 4. Social Management Plans

Project activities, community monitoring, and mitigation effectiveness and adaptive management for each SMP are discussed in the sections below.

The LNG Canada CLISMP 2023 Annual Report provides a summary of project activities, community monitoring, and mitigation effectiveness and adaptive management that have occurred in 2023. Additional information regarding the SMPs in 2023 can be found in the 2023 SMR Summary Reports:

- » [May 2023 SMR Summary Report](#)
- » [August 2023 SMR Summary Report](#)
- » [November 2023 SMR Summary Report](#)

Feedback received through the SMR Feedback Survey<sup>5</sup>, which was sent out in February 2023, was incorporated throughout 2023 and will continue to frame 2024 meetings.

Each SMP summarizes how mitigations identified in the EAC Application will be implemented, monitored, and measured for effectiveness. Additional information regarding the respective SMPs can be found in the appendices:

- » 7.1 is a list of stakeholders who participated in the working group meetings,
- » Appendix D provides reporting and monitoring metrics,
- » Appendix E summarizes Project monitoring data, and
- » Appendix F summarizes community monitoring data.

### 4.1. HOUSING & ACCOMMODATIONS

The Housing & Accommodations SMP identifies actions to manage Project-related direct effects on the availability and affordability of housing in Kitimat, Terrace, and nearby Indigenous communities. The SMP also identifies actions to manage the potential for increased demand for temporary accommodations such as hotels, motels, and campsites caused by the in-migration of Project workers.

#### OBJECTIVES:

- » Reduce the potential for the Project workforce displacing local residents or visitors from using temporary accommodations or accessing rental opportunities or home ownership
- » Minimize Project-related effects on individuals and families who depend on affordable housing
- » Engage with stakeholders and Indigenous groups to provide a responsive framework in which they can raise concerns with LNG Canada







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<sup>5</sup> SMR participants were offered various methods of providing feedback, including verbally throughout the Q4 2022 SMR meetings, individual meetings with LNG Canada, email feedback, printed copies of feedback forms, and a survey issued after the Q4 2022 SMR meetings were completed.



### 4.1.1. Project Activities

The Project has implemented or continued to implement the following measures to manage Project-direct effects on Housing & Accommodations during 2023:

 <p><b>Implemented Local Hire First policy</b></p>	 <p><b>Built and operated on-site workforce accommodations Cedar Valley Lodge to house non-local workforce on-site</b></p>
 <p><b>No LOAs provided to the workforce</b></p>	 <p><b>Limited the number of temporary employees relocating to Kitimat with partners and/or children and provided accommodations at company-provided housing to those who were required to relocate</b></p>
 <p><b>Shared housing plans with the DOK</b></p>	 <p><b>Required all contractors and subcontractors performing work on-site to hire non-local workers on rotational basis (primarily 14 days on/7 days off), with travel (charter flights provided from multiple hubs), meals, and accommodations provided by the Project to encourage workers to maintain their home base outside of the region</b></p>

In May 2023, Cedar Valley Lodge reached maximum capacity and the Project housed some non-local workers in two open lodges in Kitimat and hotels (Appendix E, Table E-1). The Project had not required the use of open lodges since December 2020, before Cedar Valley Lodge was given the permanent occupancy permit. The use of open lodges will continue into 2024. During the May SMR, LNG Canada provided an update on the Accommodation Strategy and the use of open lodges and hotels (LNG Canada 2023c). LNG Canada clarified that Kitimat hotels and motels would only be used for individuals not actively working on the construction scopes (e.g., corporate relations, leadership, and engagement leads) (LNG Canada 2023c).

Company-provided housing that accommodates relocated Project staff is procured through long-term corporate leases. These leases include a mix of new construction, refurbished units, and existing units. Table 4-1 provides a breakdown of leases by location, as of the end of 2023. For more information about local and relocated workers, please refer to Section 3.1. Workforce.

When corporate leases end, LNG Canada reviews if the unit is still required for a temporary relocater. If required, and if the lease has an option to extend, LNG Canada enacts that option per the terms and conditions of the lease. All leases will be divested slowly, allowing units to be gradually absorbed back into the market.

Table 4-1 Lease Breakdown by Location, as of the end of 2023

Description	Location	
	Kitimat	Terrace
New	77	13
Refurbished	17	0
Existing	27	2
SOURCE: LNGC-reported CLISMP data		

#### 4.1.2. Community Monitoring

The lack of available, affordable, and suitable housing options in Kitimat and Terrace was a common theme noted during the SMR meetings in 2023. Discussions at SMR included identifying factors which are impacting the housing market in Kitimat, including the condition of housing in Kitimat. As of 2019, approximately 80% of Kitimat’s housing stock was constructed before 1980 and many units are in need of major repair (DOK 2019). There was some discussion about the challenges in attracting local builders, developers, and homeowners to build new housing or renovate existing housing in Kitimat. These challenges included interest rates, the cost of construction, and the availability of labour/trades in the region (LNG Canada 2023b, 2023c, 2023d).

##### Market Housing – Rental Housing (Kitimat)

In 2023, the average Kitimat rental vacancy rate was estimated to be 21.3% (BRA and Stantec 2024). However, after considering the rental units that are inhabitable, the DOK estimates the actual rental vacancy rate in Kitimat is 10-15% (LNG Canada 2023d). The high rental vacancy rate was discussed during several SMR working group sessions. It was indicated that it costs less to have a mortgage for a house in Kitimat than it does to rent (LNG Canada 2023c).

The Project limited the number of employees who relocated to Kitimat with partners/spouses and/or children with provided housing. SMR participants indicated they are interested in understanding more about the accompanying partners/spouses of relocated Project staff and understanding if there is an opportunity to have project spouses fill community employment vacancies (e.g., healthcare or education staff) (LNG Canada 2023e).

##### Market Housing – Rental Housing (Terrace)

In Terrace, the rental vacancy rate is extremely low. Terrace is experiencing demographic and economic growth, partially due to the spillover of jobs in the region (LNG Canada 2020). The CMHC Fall Rental Market Survey and BRA estimated the average Terrace rental vacancy rate to be 0.0% and 5.1%, respectively (CMHC 2023; BRA and Stantec 2024). During the August 2023 SMR meetings, the Ksan Society raised concern regarding the current rental market in Terrace, as the limited rental vacancies are driving higher rental rates. The limitations of the rental housing market are affecting the recruitment and retention of staff; service providers are unable to hire individuals from outside of Terrace because they cannot secure housing once relocated (LNG Canada 2023c). Feedback from the SMR Feedback Survey indicated that SMR participants were concerned that, once completed, the new Mills Memorial Hospital in Terrace will add

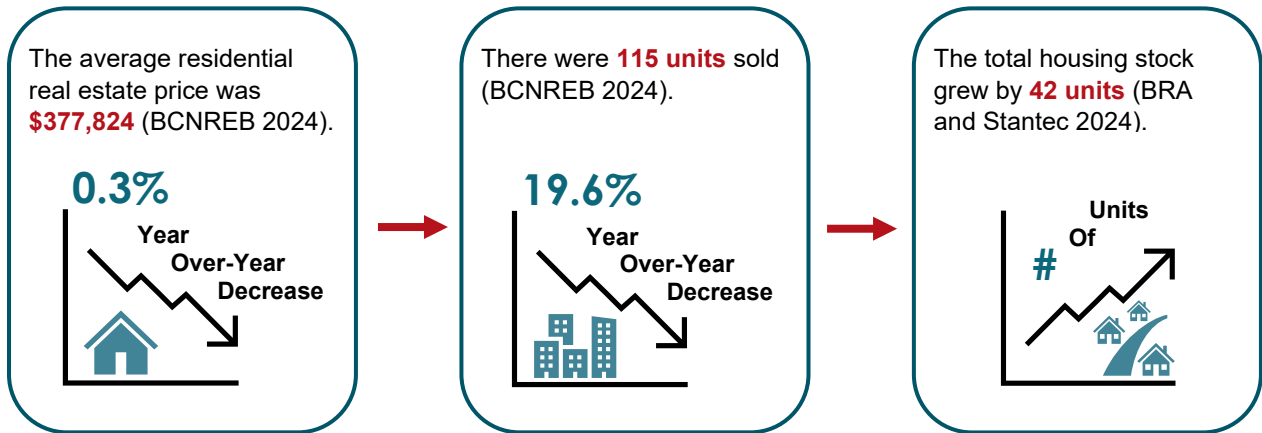
further pressures on housing affordability and availability as new staff will require housing (LNG Canada 2023e). SMR participants also noted that the Mills Memorial Hospital may face the same challenge that current service providers in Terrace face with respect to hiring new staff.

The COT is supportive of new housing developments. In 2023, the COT’s Housing Committee shared progress on new housing developments in Terrace, including the construction of a new nine-unit apartment building behind the Anglican church on Lazelle Avenue and a 21-unit townhouse building on Park Avenue (COT 2023). The COT staff also noted a general increase in residential building permits in relation to construction on Munroe Street and a new subdivision on Nash Drive (COT 2023). In 2023, the COT developed plans for a housing conference that would look to address the housing challenges in northwest BC (COT 2023). The conference took place in Terrace in March 2024.

**Shadow Population**

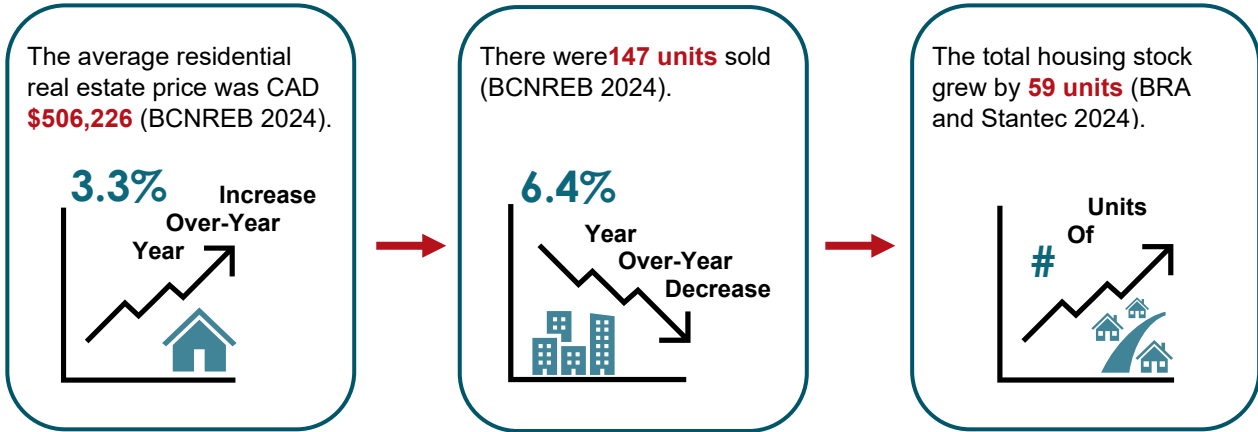
Feedback from the SMR Feedback Survey indicated that shadow population is believed to be an issue for Kitimat (LNG Canada 2023e). The growth of a temporary, or “shadow”, population has affected rental housing demand in the region. Municipal governments state that the shadow population is making up approximately 14% of the estimated population in Kitimat and 3.7% of the estimated population in Terrace (BRA 2022, BRA 2020).

**HOUSING IN KITIMAT IN 2023**



The total value of all building permits in Q3 2023 totaled **CAD \$22.7 M**, which was **130% higher** than the value of building permits in Q2 2023 (**CAD \$9.8 M**) and **347% higher** than Q3 2022 (**CAD \$ 5.0 M**) (BRA and Stantec 2024).

**HOUSING IN TERRACE IN 2023**



The total value of all building permits in the second half of 2023 (CAD \$12.2 M) was **12.3% less** than the total value of building permits in the first half of 2023 (CAD \$13.7 M) (BRA and Stantec 2024).

**Market Housing – Real Estate**

In the 2023 SMR meetings, there was some discussion regarding LNG Canada’s transition from its construction to operations phase. LNG Canada began hiring for its operations phase in 2022 and individuals and families began moving into the area and seeking their own permanent housing. LNG Canada does not monitor if operational employees choose to purchase or rent a home. During the November 2023 SMR, LNG Canada confirmed that 90% of the operational workforce had been hired and many were existing community members (LNG Canada 2023d).

During the August 2023 SMR meetings, there was a general agreement that the decrease in housing starts in Kitimat and Terrace were likely due to higher interest rates, the cost of construction, and the availability of contractors (i.e., labour/trades) (LNG Canada 2023c).

During the November SMR, LNG Canada confirmed that the Housing Strategy for Phase 1 had been fully implemented (LNG Canada 2023d). During implementation, the COT provided feedback regarding the housing renovation incentive program and how they would like to see LNG Canada workers living in Terrace also benefit from the program, which also benefits the City of Terrace’s housing stock (LNG Canada 2023d). Based on this feedback, LNG Canada amended its housing renovation incentive program to include employees choosing to reside in Terrace (LNG Canada 2023d).

**Short-Term Accommodations – Hotels and Motels**

The average occupancy rate for hotels and motels in Kitimat and Terrace was 61.3% in 2023, an increase of 11.8 percentage points from 2018 and 7.9 percentage points from 2022 (BRA and Stantec 2024). The

average daily rate (ADR) for hotels and motels in Kitimat and Terrace was \$158.30 in 2023, an increase of 5.1% from 2022 (BRA and Stantec 2024).

During the August 2023 SMR meetings, the Kitimat Chamber of Commerce indicated that local hotels are busy during the work week (i.e., Monday to Friday), but have high vacancy rates during the weekends (LNG Canada 2023c). Hotels and motels were not discussed at length during SMR.

### **Short-Term Accommodations – Open Lodges**

The number of non-local workers staying on-site at Cedar Valley Lodge has continued increasing since it became operational in July 2020, limiting the occupancy of temporary accommodations by non-local workers. Cedar Valley Lodge reached maximum capacity in May 2023. The Project began housing non-local workers at Sitka Lodge and Crossroads Lodge (open lodges) once CVL was at capacity.

During the August and November 2023 SMR meetings, it was confirmed that Cedar Valley Lodge will not be dismantled once the construction of Phase 1 is complete. SMR participants inquired whether or not there is an option to maintain Cedar Valley Lodge as an open lodge, but LNG Canada indicated that is not currently an option as there are many challenges with maintaining the facility, including the staffing requirements for a facility of that size (LNG Canada 2023c, 2023d). SMR participants were asked if they had noticed increased activities in interactions in the community due to the Project's use of open lodges during the November SMR. However, no concerns were raised and the DOK indicated there has not been a huge impact in the community from the use of open lodges (LNG Canada 2023d).

### **Social and Emergency Housing**

In 2023, the first Point-in-Time (PiT) homeless count<sup>6</sup> was conducted in Kitimat (BC Housing 2023a). Fifty-five individuals were identified as experiencing homeless (BC Housing 2023a). The main reasons cited for loss of housing included conflict with spouse or partner, not enough income, and landlord/tenant conflict (BC Housing 2023a). The 2023 PiT homeless count for Terrace identified 156 individuals who were experiencing homeless, a year-over-year increase of 45.8% (BC Housing 2023b). The main reasons cited for loss of housing included substance use issue, not enough income, and conflict with spouse or partner (BC Housing 2023b). Utilization of social and emergency in Kitimat and Terrace continued to be high in 2023 (TSW 2024, Ksan Society 2024).

### **Childcare**

During the August 2023 SMR meetings, CMSD 82 and St. Anthony's Catholic School noted they were waiting on licensing to be able to provide before and after school care at Kildala Elementary School, Nechako Elementary School, and St. Anthony's Catholic School (LNG Canada 2023c). By Q3 2023, both

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<sup>6</sup> PiT homeless counts provide a snapshot of people who are experiencing homelessness in a 24 hour period, their demographic characteristics, service use, and other information (BC Housing 2023a). For the purpose of this count, an individual was defined as experiencing homelessness if they did not have a place of their own where they paid rent and could expect to stay for at least 30 days (BC Housing 2023a).

Kildala Elementary School and Nechako Elementary School confirmed that the before and after school care programs were licensed and had spots available (LNG Canada 2023d).

At the end of 2023, there were three new licensed childcare facilities in Kitimat, one in Kitamaat Village, four in Terrace, and one in Thornhill (NHPHP 2024). In 2023, the total number of licensed childcare spaces in Kitimat and Kitamaat Village increased 30.0% year-over-year (NHPHP 2024). In 2023, the total number of licensed childcare spaces in Terrace and Thornhill increased 22.5% year-over-year (NHPHP 2024)

#### 4.1.3. Mitigation Effectiveness and Adaptive Management

The Project limited workers' demands on housing, accommodations, and childcare by prioritizing hiring from the local area, providing housing for non-local workers on-site at Cedar Valley Lodge and open lodges, providing company housing for relocated Project employees with partners/spouses and/or family, and not paying living out allowances (LOAs).

Feedback from the SMR Feedback Survey indicated that SMR participants were interested in learning more about the Accommodation Strategy for the permanent workforce as the Project transitions to its operations phase (LNG Canada 2023e). SMR participants also wanted to understand what would happen to company-provided housing units once the Project's leases expire (LNG Canada 2023e). In response to these queries, at the August 2023 SMR meeting, LNG Canada provided a high-level overview of its workforce forecast, lease termination dates, and lease breakdown. During the SMR session, participants were also given an opportunity to have a Q&A with LNG Canada's Real Estate Lead.

In addition to providing a high-level overview of LNG Canada's workforce and lease information at the August 2023 SMR, changes to the Accommodation Strategy that were anticipated to be in effect for the remainder of 2023 were discussed with participants. The strategy included prioritizing the use of open lodges and then the use of hotels, when required. The increase in the average occupancy rate and ADR for hotels and motels in Kitimat and Terrace was limited; from 2022 to 2023 the average occupancy rate increased by 7.9% while the ADR increased by 5.1% (BRA and Stantec 2024). The Kitimat Chamber of Commerce indicated that Kitimat hotels are occupied during the weekdays but have difficulty filling rooms on weekends (LNG Canada 2023d). The Project will continue to monitor its impact on local hotels and motels.

During the August 2023 SMR meeting, the DOK's Planning Manager expressed concern regarding contractors living in the community and not following the Project's policy on not paying LOAs (LNG Canada 2023c). LNG Canada encouraged all SMR participants to report any instances to the Community Feedback Line as that will trigger an internal investigation to understand if the contractor is associated with the project, since other companies that operate in Kitimat offer LOAs (LNG Canada 2023c).

LNG Canada learned that SMR participants would like the Kitimat Valley Housing Society to be included in participant list in the LNG Canada CLISMP (LNG Canada 2023e). It also recommended BC Housing attend the SMRs to comment on developments they are supporting in the region (LNG Canada 2023e)



It was agreed that Cedar Valley Lodge is functioning as intended and is mitigating impacts from the non-local workforce on the community (LNG Canada 2023e). There were no housing-related concerns or complaints received through the community feedback process in 2023.

Overall, the Project's mitigation measures have managed the Project's occupancy of housing. Through conversations held at SMR meetings, LNG Canada was informed of the COT's housing challenges. After discussions with the COT, the Project extended its housing renovation incentive program to its workers choosing to live in Terrace.

The Project is adaptively managing its direct effect on childcare. The Project implemented social impact management measures<sup>7</sup> to reduce its direct effect on childcare. LNG Canada supported childcare facilities in Kitimat, adding an additional 30 childcare spaces to offset its direct impact on the childcare facilities. LNG Canada also supported Tamitik Status of Women's new childcare facility in Kitimat through strategic social investment<sup>8</sup>, which included childcare furniture, play structures, a sandbox, rubber tiles, and a playhouse in 2023. The Project will continue to monitor its impact on childcare facilities and implement adaptive management and/or social impact management measures, where needed.

No other adaptive management considerations were necessary for the Housing & Accommodations SMP in 2023.

## 4.2. TRAFFIC

The Traffic SMP identifies actions to manage direct Project-related effects on airport infrastructure and local road traffic.

### OBJECTIVES:

- » Minimize the volume and congestion caused by Project-related road traffic
- » Reduce the risk of Project-related vehicle collisions
- » Reduce demand on airport infrastructure and congestion caused by the transport of workers
- » Facilitate collaboration with stakeholders and provide a responsive framework; stakeholders can raise concerns with LNG Canada

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<sup>7</sup> Activities to avoid/minimize negative impacts and enhance positive impacts related to LNG Canada's business and operations (e.g., fence-line health impacts) (LNG Canada 2023c).

<sup>8</sup> Linked to LNG Canada's business priorities and opportunities (or potential risks) and aligned with local community/societal needs (e.g., childcare training support) (LNG Canada 2023c).

### 4.2.1. Project Activities

The Project has implemented or continued the following measures to manage Project-change in traffic during 2023:

In 2023, the Project used chartered flights for approximately 95.9% of the workforce (Appendix E, Table E-2). The Project workforce accounted for approximately 1.6% of the commercial passengers through the Northwest Regional Airport (YXT) (Appendix E, Table E-2; YXT 2024). There were 60 road transport-related incidents and near misses recorded in 2023 (Appendix E, Table E-2). Of the 60-road transport-related incidents and near misses, four (i.e., 6.7%) occurred offsite. The four road transport-related incidents and near misses that occurred offsite resulted in three instances of property damage, but no injuries, and one instance of a personal vehicle striking a shuttle bus resulting in no injuries. The Project met with transportation authorities on traffic management, congestion, and road safety four times (Appendix E, Table E-2).

#### Ongoing coordination with Northwest Regional Airport

Ongoing Project charter flight services, to minimize reliance on commercial flights, which have been in place since the end of 2019

Charter flight activity included:




- » Adding charter hubs in Regina, Moncton, Hamilton, and Montreal in 2023 to complement the existing charter hubs in Vancouver, Kelowna, Nanaimo, Prince George, Calgary, Edmonton, Winnipeg, Halifax, and St. John's
- » Increasing charter flight activity from about 14 charter flights per week (approximately 1,100 workers in/out each week) in 2022 to 26 charter flights per week (approximately 2,200 workers in/out each week) in 2023

#### Minimized road traffic and interaction with local traffic and wildlife by:



- » Delivering equipment and materials by water, where possible, minimizing truck volumes
- » Providing non-local workers with on-site accommodations at Cedar Valley Lodge, minimizing offsite transfer of personnel
- » Transported personnel via shuttles to and from site with pick-up points in Terrace and Kitimat (airport, Park & Ride locations)
- » Providing In Vehicle Monitoring System (IVMS) to promote safe driving behavior of workers



**Provided parking offsite**

- » Local workers use Park & Ride locations in Kitimat, Kitamaat Village, and Terrace

**Provided traffic planning, forecasting, and registration**

- » Coordinated road transport with MOTI and DOK (permits, forecast deliveries, scheduling)
- » Planning efforts underway with multiple agencies to assess potential Highway 37 motor vehicle incident scenarios

**Ongoing monitoring**

- » Actual Project traffic volumes tracked and assessed against forecast and impact models
- » Community monitoring of changes to Highway 37 use (MOTI), DOK studies, etc.

4.2.2. Community Monitoring

**Traffic – Air**

Northwest Regional Airport (YXT)’s commercial passenger volume increased 16.7% from 2018 (i.e., prior to the start of Project construction) to 2023 (Figure 4-1) (YXT 2024). The number of Project personnel on commercial flights through YXT peaked in 2020 at 13,669 and since decreased to 4,367 in 2023 (Figure 4-1). The number of Project personnel on charter flights through YXT has continually increased from 2019 to 2023, reaching a peak of 101,134 Project personnel on charter flights in 2023 (Figure 4-1).

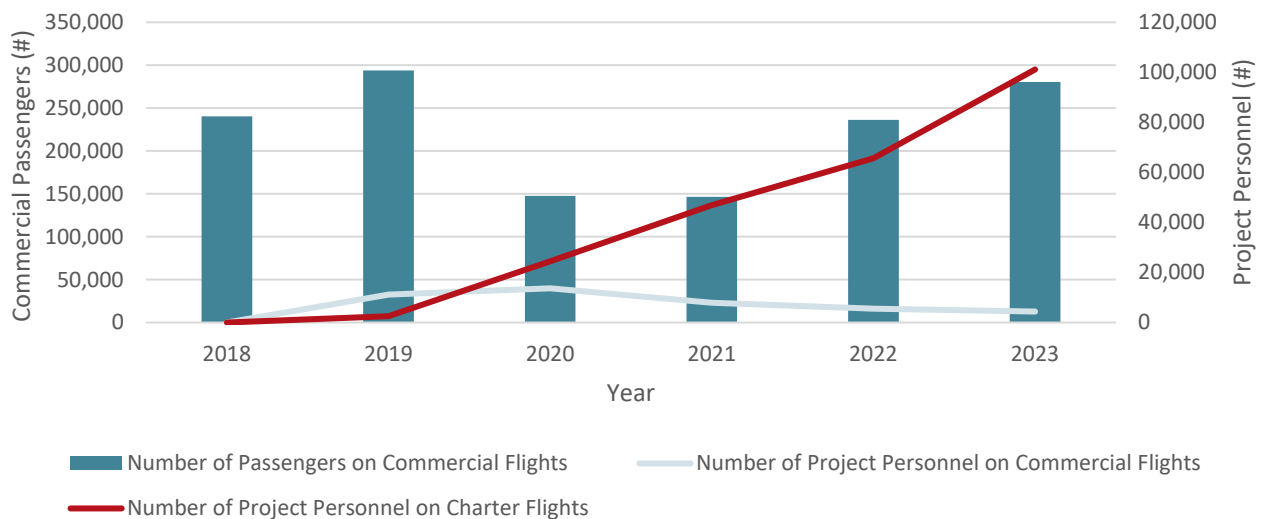


Figure 4-1 Commercial Passengers and Project Personnel on Flights through YXT, 2023

## Traffic – Road

The monthly weekly average daily traffic (MAWDT) tracked at the Highway 37 P-47-8NS monitoring site increased 24.2% from 2018 (i.e., prior to the start of Project construction) to 2023 (MOTI 2024). Traffic concerns and complaints to the Project have been minimal.

### 4.2.3. Mitigation Effectiveness and Adaptive Management

The Project uses a combination of air and road transportation to transport its workers. In 2023, the direct effects of the Project on YXT infrastructure and commercial flights were limited. The Project used chartered flights for 95.9% of the non-local workforce that are fly-in, fly-out in 2023. The Project also limited the use of vehicles and workers' personal vehicles on local highways and roads by transporting workers between YXT and the Project site in company-provided shuttles, establishing Park & Ride lots, and enforcing shuttle transit for local workers. These measures managed the direct effects of the Project on traffic congestion on local roads and highways and limited the risk of vehicle collisions.

In November 2023, LNG Canada' administration building began issuing parking passes (approximately 310 parking passes have been issued as of May 2024). The administration building's parking lot is primarily for use of operations personnel. The company-provided shuttles are still being used to transport those working on the construction scopes and some operations personnel.

The SMR Feedback Survey indicated that having information such as the Project's shuttle schedule readily available is important for first responders (LNG Canada 2023e). Three traffic-related concerns or complaints were received through the community feedback process in 2023.

Overall, the Project's mitigation measures have managed the Project's direct effects on traffic (air and road) and no adaptive management considerations were necessary for the Traffic SMP in 2023.

## 4.3. EMERGENCY RESPONSE

The Emergency Response SMP identifies actions to manage Project-related demands on emergency services. The SMP summarizes how mitigations identified in the EAC Application will be implemented, monitored, and measured for effectiveness.

### OBJECTIVES:

- » Implement a framework to manage emergencies and spills within the Project site
- » Minimize Project-related demand on emergency and protective services
- » Develop positive workforce behaviours and respect for local communities and avoid incidents that would require the use of community protection services
- » Help emergency and protective service providers plan for potential changes in service requirements

### 4.3.1. Project Activities

The Project has implemented or continued the following measures to manage Project-direct effects on emergency response during 2023:



	
<p><b>Site Emergency Response Plans in place, developed with input from KFAAS.</b></p> <p><b>Provided Medical Services:</b></p> <ul style="list-style-type: none"> <li>» ISOS clinics at Cedar Valley Lodge and on-site</li> <li>» Contracted security personnel on-site at Cedar Valley Lodge</li> <li>» Implemented SAFER Together Program to reinforce a safety mindset based on four pillars with a strong foundation of caring for people</li> <li>» Required all site personnel to sign off on the Worker’s Code of Conduct and complete Cultural Awareness Training</li> <li>» 100% of workers signed the Worker Code of Conduct and completed Cultural Awareness Training</li> </ul>	<p><b>JFJV led primary emergency response at site. Resources included fire engine (1,500 gpm pump with 750-gallon water tank with foam), medical response vehicle, fire fighters, two paramedics, and three advanced care paramedics (see Table 4-3 for more information)</b></p> <p><b>Regularly engaged with RCMP and first responders</b></p> <p><b>Ongoing scenario planning</b></p> <ul style="list-style-type: none"> <li>» Environment – spill response</li> <li>» Fire and rescue</li> <li>» Emergency Response Team</li> <li>» Working relations with Kitimat and Terrace Fire Departments</li> <li>» Regular Project engagement with RCMP and first responders</li> </ul>

Table 4-2 Emergency Response Services Provided at Project Site and Cedar Valley Lodge, 2023

Emergency Response Personnel	Emergency Response Equipment
<ul style="list-style-type: none"> <li>• ERT Captain</li> <li>• Primary Care Paramedic (PCP)/Firefighter (1)</li> <li>• Emergency Medical Responder/Firefighter (3)</li> <li>• Advanced Care Paramedic (ACP) available from Cedar Valley Lodge Medical Clinic, when required (1)</li> </ul>	<ul style="list-style-type: none"> <li>• Fire Engine – Full Service</li> <li>• Water Super Tanker/Tender</li> <li>• Industrial Ambulance – ACLS</li> <li>• Mobile Treatment Centres – ACLS</li> <li>• Spill Response Trailer</li> <li>• Marine Containment Boom – MOF</li> <li>• Advanced Interior/Exterior Attack Firefighting Equipment</li> <li>• Jaws of Life – Auto Extrication</li> <li>• High Angle Rescue – Technician Level Equipment</li> <li>• Confined Space Rescue – Technician Level Equipment</li> <li>• Forest Fire Response Equipment</li> <li>• Hazardous Materials Response – Technician Level Equipment</li> <li>• ACP and PCP Level Medical Equipment</li> </ul>

The number of ambulance calls for service to the Project site increased from 24 in 2019 to 71 in 2023 (Appendix E, Table E-3). There were no fire department service calls to site in 2023 (Appendix E, Table E-3). The number of RCMP calls for service to the Project site have steadily increased each year. There were eight calls in 2019, and 77 in 2023 (Appendix E, Table E-3). In 2023, there were six meetings held to coordinate and plan emergency response (Appendix E, Table E-3).

#### 4.3.2. Community Monitoring

The Kitimat of Fire and Ambulance Service (KFAS)'s medical-related calls for service increased 37.8% from 2018 to 2023 (KFAS 2024). In 2018, the KFAS did not include its out-of-town medical-related calls for service in its statistics. When comparing in-town medical-related calls only, there was a 10% increase from 2018 to 2023 (KFAS 2024), which is consistent with an increase in population in Kitimat.

From 2018 to 2023, the BC Emergency Health Services (BCEHS)'s calls for service in Terrace increased 23.0% (BCEHS 2024). The increase in calls since 2018 is related to the increase in population in Kitimat, Terrace, and the surrounding area (i.e., an increase in individuals in the community equals an increase in calls for service) (Soames pers. comms. 2024). Since 2018, there has also been an increase in calls for service related to overdoses. Between 2018 and 2023, overdoses increased 96% in Kitimat, 603% in Terrace, and 38% in Thornhill (BCEHS 2024).

KFAS' fire-related calls for service increased 6.9% from 2018 to 2023 (KFAS 2024). The Terrace Fire Department (TFD)'s fire-related calls for service increased 115.5% from 2018 to 2023; however, it is difficult to compare these years as there was a change in how calls are coded in 2019 (TFD 2024). From 2022 to 2023, there was a 29.6% increase in fire-related calls for service to the TFD (TFD 2024). The Thornhill Fire Departments total calls for service increased 58.5% from 2018 to 2023 (Thornhill Fire Department 2024). There were no fire department calls for service to the Project site in 2023.

The Kitimat Royal Canadian Mounted Police (RCMP) calls for service increased 28.8% from 2018 (i.e., prior to the start of construction) to 2023 (RCMP 2024). The Terrace RCMP calls for service decreased 5.4% from 2018 (i.e., prior to the start of construction) to 2023 (RCMP 2024). However, due to a change in methodology for recording founded and non-founded occurrences, which occurred in 2019, an accurate comparison between 2018 and 2022 cannot be made (Statistics Canada 2018). The calls for service to the Kitimat RCMP and Terrace RCMP increased 6.7% and decreased 8.4%, respectively, from 2022 to 2023. In 2023, the Kitimat RCMP began including their school patrols and licensed premise checks in their statistics (Morgan pers. comms. 2024). At times, that change increased their monthly file count by approximately 50 files per month (Morgan pers. comms. 2024).

#### 4.3.3. Mitigation Effectiveness and Adaptive Management

The Project limited direct demand for local emergency services by regularly engaging with emergency service providers, conducting internal training and exercises where key stakeholders are invited to observe, and implementing Emergency Response Plans, SAFER Together Programs, and Workers Code of Conduct and Cultural Awareness Training. The Project strives to have no impact on emergency response infrastructure and service providers, but there are some emergencies that cannot be predicted or avoided.



The Project works with local first responders to understand the types of emergencies that may require support. For example, the Project regularly engages with KFAS to discuss the types of support the Project can provide in the event of an emergency and to support KFAS in understanding the Project's training model.

SMR participants use Project monitoring data to identify risks and support resource management (i.e., the data are allowing service providers to track where stressors are coming from) (LNG Canada 2023e). There was discussion at the SMR surrounding how the "risk profile" will change as the Project transitions to its operations phase (LNG Canada 2023e). The SMR Feedback Survey also indicated that the focus should be placed on the impact of the data presented versus the data itself and that the data should have defined benchmarks to allow service providers to gauge performance (LNG Canada 2023e). Over the course of 2023, the SMR meetings focused less on the presentation of Project and community monitoring data and focused more on the impact of the Project on the surrounding communities through dialogue driven by participants. It was agreed that there is a high degree of comfort in LNG Canada's implementation of emergency response protocol, but there is also a desire for SMR participants to be involved in emergency response exercises (LNG Canada 2023e). There were no emergency response-related concerns or complaints received through the community feedback process in 2023.

Overall, the Project's mitigation measures have managed the Project's direct effects on emergency response and no adaptive management considerations were necessary for the Emergency Response SMP in 2023.

#### 4.4. COMMUNITY HEALTH

The Community Health SMP identifies actions to manage Project-related demands on health infrastructure and services within the Northwest Health Service Delivery Area (HSDA) of the Northern Health Authority, as well as community cohesion and resilience. Community Health is a broad area, covering aspects that include health services, risk behaviours, and outcomes. SMPs including housing, emergency services, and education are determinants of health that contribute to and influence health conditions and outcomes within the study area.









LNG Canada Site

##### OBJECTIVES:

- » Manage potential demand on local and regional health care infrastructure and services
- » Manage workforce activities and behaviours to promote healthy living and working environments and community cohesion
- » Engage and share information on temporary workforce numbers with Indigenous groups and service providers to help them plan for additional demand

### 4.4.1. Project Activities

The following measures have been implemented to manage Project-direct effects on community health during 2023:

 <p><b>Provided a full range of medical services at the Project site and Cedar Valley Lodge</b></p>	 <p><b>Provided information to all workers about available health services and how to access medical care and health programs</b></p>
 <p><b>Communicated and coordinated with Kitimat General Hospital</b>  <b>Conducted regular check-ins with Mills Memorial Hospital</b></p>	 <p><b>Implemented Health and Medical Services Management Plans, including a mental health program that included a mental health coordinator, worker wellness (including mental health), infectious disease prevention, and outbreak controls</b></p>
 <p><b>Provided Cultural Awareness Training to 100% of the workforce</b></p>	 <p><b>Required 100% of the workforce to sign a Worker Code of Conduct</b></p>

The Project strives to have no impact to regional healthcare services and infrastructure, except in the case of emergencies that cannot be predicted or avoided. Stakeholders are actively involved in conversations to discuss any emergencies that were not anticipated and have had opportunities to observe LNG Canada’s emergency response exercises and drills. Managing direct effects on community health also considers workforce activities and behaviours to promote healthy living and working environments, and community cohesion.

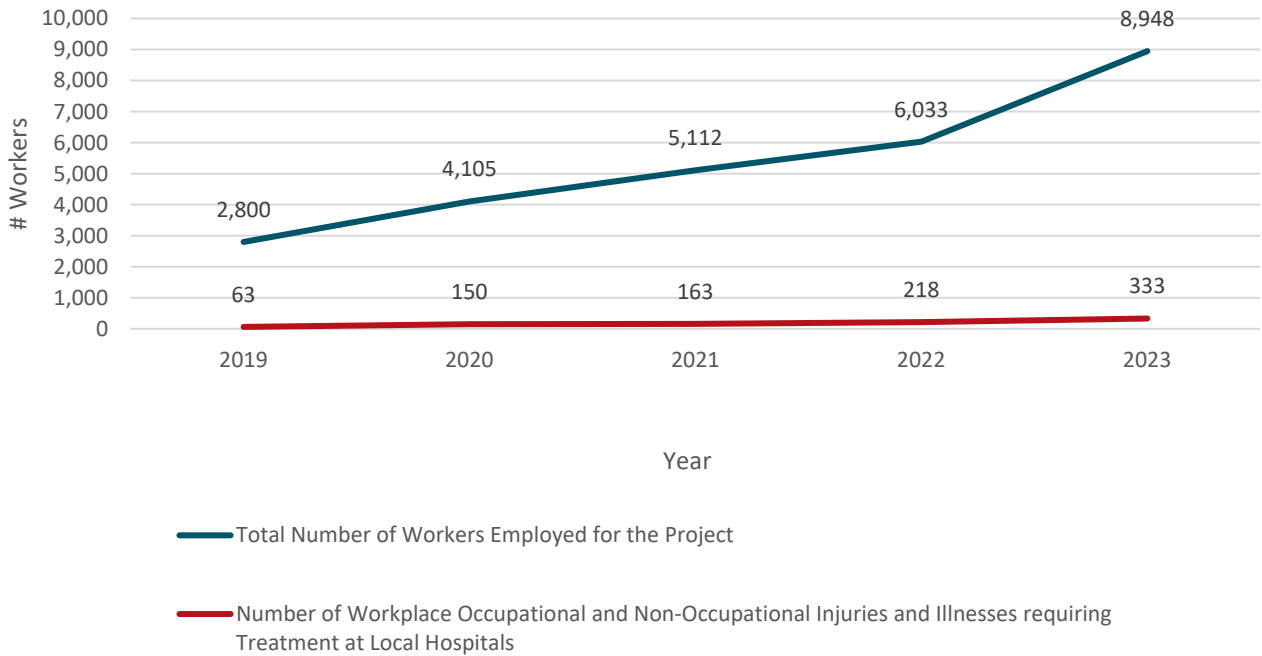
Table 4-3 Medical Services Provided at Project Site and Cedar Valley Lodge, 2023

Medical Personnel	Medical Equipment
<p><b>Day Shift</b></p> <ul style="list-style-type: none"> <li>• 1 Nurse Practitioner</li> <li>• 1 Registered Nurse</li> <li>• 1 ACP</li> <li>• 1 PCP – PCP/Firefighter from ERT rotates through CVL Medical Clinic at peak times</li> <li>• 1 Medical Office Assistant/PCP</li> <li>• 1 Site Lead Officer</li> </ul> <p><b>Night Shift</b></p> <ul style="list-style-type: none"> <li>• 2 ACP</li> </ul>	<ul style="list-style-type: none"> <li>• Life Pack 15 (2)</li> <li>• Crash Cart – fully stocked (2)</li> <li>• iStat</li> <li>• Trauma Bay</li> <li>• Hazmat Bay – equipped with decontamination shower</li> <li>• Exam rooms (3)</li> <li>• Pharmacy – fully stocked</li> <li>• ACP Response Vehicle</li> <li>• Industrial Ambulance – ACLS</li> <li>• Ambulance Transfer Bay</li> </ul>

In 2023, a total of 110 workplace occupational injuries and illnesses and 223 non-workplace injuries and illnesses which required treatment at a local hospital were reported (Appendix E, Table E-4).

**Only 1.9% of non-occupational injuries and illnesses needed to seek care at local hospitals, with 98.1% of cases treated on site. This demonstrates the effectiveness of medical services provided by LNG Canada in caring and treating for its workforce.**

The latter increased from 167 Project non-occupational injuries and illnesses in 2022 (LNG Canada 2023a) and is likely associated with the increase in the Project workforce. For instance, the Project’s peak workforce increased from 6,033 workers in 2022 to 8,948 workers in 2023 (Figure 4-2).



*Figure 4-2 Project Workers and Number of Workplace Occupation and Non-Occupational Injuries and Illnesses requiring Treatment at Local Hospitals, 2019-2023*

The proportion of the Project's workforce seeking treatment in local hospitals declined from 2.8% in 2022 to 2.5% in 2023 (Figure 4-2). In total, 11,384 non-occupational visits to the on-site medical clinic were reported, in comparison to 55 reported visits for occupational injuries (Appendix E, Table E-4). No workplace injuries requiring medevac services were reported for 2023 (Appendix E, Table E-4). All workers on the LNG Project reported signing the Worker Code of Ethics and completion of the Cultural Awareness Program in 2023 (Appendix E, Table E-4).



#### 4.4.2. Community Monitoring

In 2023, KGH's Emergency Room (ER) was on diversion 44 times due to staffing shortages and the nurse vacancy rate at KGH was 37.5% (Bender 2024). Diversions occur when a hospital is functioning at or beyond its capacity such that the ER cannot provide care to new patients without compromising the care of existing patients. Closures of KGH are especially difficult for residents during inclement weather when the 45-minute drive to Mills Memorial Hospital becomes necessary (Bender 2024).

In 2023, the District of Kitimat, Northern Health, and stakeholders formed the Kitimat Healthcare Professionals Attraction working group to begin finding solutions at the community level. Northern Health began offering hiring incentives to potential physicians, such as speciality education opportunities (Bender 2024).

During the Q3 2023 SMR meetings, the Kitimat Chamber of Commerce noted it is working with retirees to see if there is local capacity to host healthcare workers as an alternative housing approach (LNG Canada 2023d). LNG Canada built on the Kitimat Chamber of Commerce's update and stated it has had discussions with Northern Health regarding the potential of subletting corporate leases that may be vacated early by Project staff (LNG Canada 2023d).

Overdoses continue to rise in all communities in the province and northern BC is no exception. Since the public health emergency for toxic drugs was declared in 2016, the BCEHS has seen a 119% total increase in annual overdose events in the province (BCEHS 2024). In BC, overdoses are up 25% compared to 2022, with BCEHS paramedics responding to a total of 42,172 overdose patient events in 2023 (an average of 116 calls per day) (BCEHS 2024). In the regional hospital districts managed by the Northern Health Authority, overdoses increased 23% in 2023 compared to 2022 (BCEHS 2024). Between 2018 and 2023, overdoses increased 96% in Kitimat, 603% in Terrace, and 38% in Thornhill (BCEHS 2024). During the Q3 2023 SMR meetings, Northern Health cited the BC Coroner's Report, which emphasized that Northwest BC has the highest rate of overdoses per capita in the province and made specific mention of Kitimat and Terrace (LNG Canada 2023d). The Tamitik Status of Women stated that prior to November 2020, it never

required the use of Naloxone at its sites (LNG Canada 2023d). However, in October 2023 alone, the Tamitik Status of Women required the use of three to four Naloxone kits (LNG Canada 2023d).

During the SMR meetings, JFJV provided an update regarding the mental health programs available at Cedar Valley Lodge (LNG Canada 2023b). It was clarified that all Project employees with access to site can access programming at Cedar Valley Lodge (LNG Canada 2023b).

#### 4.4.3. Mitigation Effectiveness and Adaptive Management

The Project limited direct demands on local medical services by providing medical services on-site and having regular communications and coordination efforts with local health officials. The Project strives to have no impact to regional healthcare services and infrastructure, except in the case of emergencies that cannot be predicted or avoided.

Northern Health is currently working to assess and streamline all data being provided to external agencies (LNG Canada 2023e). LNG Canada continued meeting with Northern Health to monitor impacts and discuss data reporting possibilities.

In 2023, LNG Canada worked with the Kitimat General Hospital Foundation and Northern Health to identify areas in which they need support or are seeing an increase in service demand. Through ongoing engagements, LNG Canada committed to providing financial support to KGH for the purchase and installation of a computed tomography (CT) scanner, which will improve healthcare services for outpatients in the Kitimat area. In addition to the CT scanner, LNG Canada provided funding for an ECG machine, harm reduction supplies for a community health vending machine, and staff morale boosters.

Feedback from the SMR Feedback Survey indicated that SMR participants would like LNG Canada to consider establishing a forum that resembles the Issue Management Committee that used to be facilitated by Kitimat LNG and Rio Tinto (LNG Canada 2023e). LNG Canada's Environmental Assessment Certificate Condition 14 Community Services and Infrastructure requires the Project to participate in multi-stakeholder initiatives undertaken by the Province with regard to managing cumulative effects to community infrastructure and services.

It was agreed during SMR that the Project's on-site medical services are providing a high level of service, which alleviates pressure on the local hospitals and medical system (LNG Canada 2023e). There were six community health-related concerns or complaints received through the community feedback process in 2023. Three of the nine community health-related concerns or complaints were directly related to noise.

Overall, the Project's mitigation measures have managed the Project's direct effects on community health and no adaptive management considerations were necessary for the Community Health SMP in 2023.

## 4.5. COMMUNITY AMENITIES








The Community Amenities SMP identifies actions to manage potential Project-related demands on community and land-based recreation resources and facilities. The SMP summarizes how mitigations identified in the EAC Application will be implemented, monitored, and measured for effectiveness

### OBJECTIVES:

- » Minimize Project-related demand on community and land-based recreation
- » Encourage the responsible use of existing community and land-based recreation by the Project-related workforce
- » Engage with Indigenous groups, the general public, recreation providers and external organizations, to assess and monitor potential change in demand on recreation resources as a result of the Project's workforce

### 4.5.1. Project Activities

The Project has implemented or continued the following measures to manage Project-direct effects on community amenities during 2023:

 <p><b>Hired majority of the non-local workforce on an unaccompanied basis (i.e., without family or partners) and provided accommodation at workforce accommodation centres</b></p>	 <p><b>Included recreational facilities in workforce accommodation centres</b></p>
 <p><b>No LOAs provided to the workforce</b></p>	 <p><b>Encouraged the responsible use of existing community and land-based recreation resources by the Project-related workforce</b></p>
 <p><b>Limited the number of employees relocated to Kitimat with accompanying family</b></p>	 <p><b>Required all site personnel to sign off on the Worker's Code of Conduct and complete Cultural Awareness Training</b></p>
 <p><b>Minimized Project-related demand on community and land-based recreation resources including tourism</b></p>	

Information about the workforce can be found in Section 3.1 or in Appendix E.

### 4.5.2. Community Monitoring

A total of 9,772 campers used the Radley Park campground in Kitimat in 2023, an increase of 27.1% year-over-year (DOK 2024). Ferry Island campers in Terrace have increased 7.9% year-over-year (COT 2024). Campers at Furlong Bay in Lakelse Lake Provincial Park have increased 2.2% since 2018 (i.e., baseline)



and decreased 4.5% from 2022 (BC Parks 2024). Appendix E provides more information on community monitoring data.

#### 4.5.3. Mitigation Effectiveness and Adaptive Management

By offering a complete array of amenities and services on-site and at Cedar Valley Lodge, such as expansive dining options and a full range of indoor and outdoor leisure and recreational opportunities, the Project limited direct demand for community amenities including recreation facilities. There were six community amenities-related concerns or complaints received through the community feedback process in 2023. Two of the six complaints were reported on-site. Two complaints could not be directly tied to the Project; however, the Project did advise the complainants that all Project workers must follow the Worker’s Code of Conduct, which includes appropriate behaviour in the surrounding communities. Two complaints are under RCMP investigation with no direct tie to the project. Overall, the Project’s mitigation measures have managed the Project’s direct effects on community amenities and no adaptive management considerations were necessary for the Community Amenities SMP in 2023.

### 4.6. EDUCATION

The Education SMP identifies actions that manage effects on education services (elementary, middle, and high school). These actions consist of engagement with educational organizations to plan for increased demand related to the Project workforce.




**OBJECTIVE:**

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» Provide information regarding potential increased demand for local educational service

#### 4.6.1. Project Activities

The Project has implemented or continued the following measures to manage Project-direct effects on education during 2023:

- 
**Limited the number of employees relocated to Kitimat with accompanying family**
- 
**Hired majority of the non-local workforce on unaccompanied basis (i.e., without family or partners) and provided accommodation at workforce accommodation centres**
- 
**Provided information regarding potential increase in demand for local educational services, including childcare, based on families relocated to Kitimat**

Appendix E, Table E-6 provides an overview of the Project reporting in 2023. A peak of 4,439 non-local workers was accommodated at Cedar Valley Lodge (December 2023) (Appendix E, Table E-6). Section 3.1. Workforce provides more information about local and relocated workers.



### 4.6.2. Community Monitoring

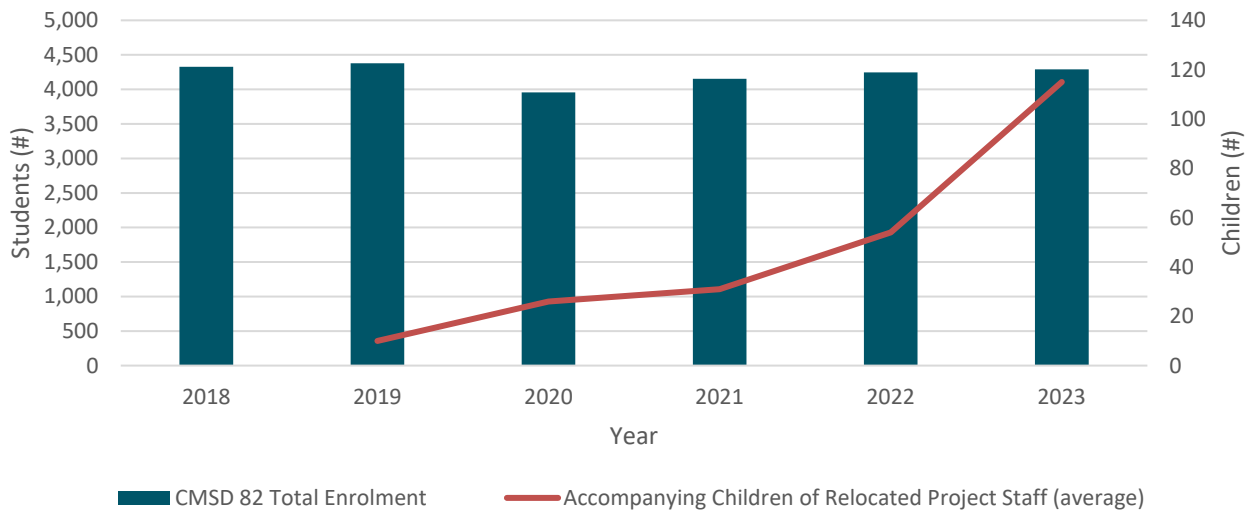
Between 2022 and 2023, student enrolment in schools in the Coast Mountains School District (CMSD) 82 increased 1%. However, compared to the 2018 baseline year, school enrollment has declined by 1% (Figure 4-3) (CMSD 82). Between 2022 and 2023, the average number of school-aged children, accompanying relocated Project staff increased 113.0% from 54 to 115 (Figure 4-3).



LNG Canada

Feedback from the SMR Feedback Survey indicated that literacy levels are lower in the Kitimat region than the rest of Northern BC (LNG Canada 2023e). The survey results are confirmed through the 2023/2024 Foundation Skills Assessment, showing CMSD 82 school division's Grade 4 literacy rate is 13% lower than the provincial average, and Grade 7 literacy rate is 22% lower than the provincial average (Government of British Columbia 2024). CMSD 82 identified one of its strategic priorities was to implement a literacy program. Through LNG Canada's Impact Management funding, CMSD82 was able to pilot literacy programming in more schools, including both elementary schools in Kitimat, for the 2023/2024 school year.

Continuing challenges in the recruitment and retention of licensed teachers in CMSD 82 were also a common theme discussed across all of the Education working group meetings in 2023. CMSD 82 began looking for commitments from new graduates to become teachers in the school district in 2023 as part of its recruitment strategy (LNG Canada 2023e). During the November 2023 SMR meetings, CMSD 82 indicated that it is working with the University of Northern British Columbia (UNBC) to develop an online program to support teachers currently teaching with Letters of Permission to become fully licensed teachers in BC (LNG Canada 2023d).



**Figure 4-3** Coast Mountains School District 82 Student Enrolment and the Accompanying School-Aged Children of Relocated Project Staff

### 4.6.3. Mitigation Effectiveness and Adaptive Management

During the February SMR, CMSD 82 indicated that low attendance at SMR meetings was due to the timing and content of the sessions. LNG Canada changed the timing of the Education working group to accommodate school hours, schedule around CMSD 82 board meetings, and hold sessions in Kitimat in close proximity to the school principals' location. Education was also broken out into a separate standalone session, to enable greater focus on each topic area. As a result of these changes, attendance increased significantly, and more dialogue and actions came from each session.

Through discussions in 2023, it was learned that CMSD 82 was experiencing direct effects from the Project. CMSD 82 reported that many classrooms were reaching and exceeding capacity with more children of relocated workers. A correlation between enrolment increases and LNG Canada mobilization periods was observed and acknowledged (LNG Canada 2023b). Kitimat schools were adding new classrooms to support the increased demand, which required the schools to purchase new furniture and resources (LNG Canada 2023b). In instances when schools needed to furnish new classrooms due to enrolment increases, LNG Canada provided funding as a mitigation.

The Project also implemented social impact management measures<sup>9</sup> and social investments to mitigate its direct effect on other aspects of education. In 2023, LNG Canada supported CMSD 82, St. Anthony's and the Haisla Community School with CAD \$910,884 in funding. This funding was focused on Kitimat schools, which included the Haisla Community School and St. Anthony's Catholic School while some funding was offered to the entire school district, such as morale boosting initiatives.

Feedback from the SMR Feedback Survey indicated that CMSD 82 cannot staff positions until student registration is confirmed, meaning that it is difficult for it to use the data to pre-plan as it must wait to see which students actually attend (LNG Canada 2023e). As a result of this feedback, the Project worked with the families of relocated workers to confirm their registrations on time, and began providing CMSD 82 with student forecasting information, including information about potential declines in enrolment and participation as the Project transitions to its operations phase.

CMSD 82 also suggested that it may be helpful if LNG Canada provided new families with information to help them better understand the enrolment process (LNG Canada 2023b). LNG Canada compiled registration information and other frequently asked questions that was distributed to new hires and the workforce through internal communication channels (LNG Canada 2023b).

Feedback also indicated that SMR discussions should focus less on the number of accompanying children of relocated Project staff and more on what the Project can do to support the overall educational system and to provide support for incoming students. CMSD 82 also focused on the need to support the education workforce to address the shortage of licensed teachers in the region (LNG Canada 2023e). As a result of this feedback, LNG Canada provided funding to allow CMSD 82 to offer hiring incentives for licensed

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<sup>9</sup> Activities to avoid/minimize negative impacts and enhance positive impacts related to LNG Canada's business and operations (e.g., fence-line health impacts) (LNG Canada 2023c).

teachers applying to teach in Kitimat; this program mirrored a provincial grant program and resulted in seven licensed teachers being hired in Kitimat schools. There were no education-related concerns or complaints received through the community feedback process in 2023.

The Project will continue to monitor its impact on education and implement adaptive management and social impact management measures where needed. No other adaptive management considerations were necessary for the Education SMP in 2023.

## 4.7. UTILITIES

The Utilities SMP identifies actions to minimize Project-related demands on utilities (water, sewage, and waste).

### OBJECTIVES:

- » Manage the potential increase in demand for potable water and wastewater treatment within local communities
- » Minimize the potential increase in pressure on landfills and recycling programs within the Regional District of Kitimat

### 4.7.1. Project Activities

The Project has implemented or continued the following measures to manage Project-direct effects on utilities during 2023:

**Implemented Project waste management plan (i.e., solid waste and wastewater) and sent waste streams to approved facilities to avoid using the municipal landfill**

**Avoided additional service demands on municipal water and sewer services by making Cedar Valley Lodge self-sufficient for potable water and wastewater treatment services**

**Managed the potential increase in demand for potable water and wastewater treatment within local communities**



**Minimized the potential increase in pressure on landfills and recycling programs within the Regional District of Kitimat-Stikine (RDKS)**

**Provided relevant stakeholders with information about anticipated changes in resident populations attributable to the Project**

**Sent non-hazardous solid waste to the RDKS Forceman Ridge Waste Management Facility and approved facilities outside of the region**

**Safely transported hazardous waste to approved facilities outside the region**



In 2023, a total of 9,655 metric tonnes of waste was generated by the Project. Project-generated waste included 405 metric tonnes of paper and cardboard, 1,041 metric tonnes of metals, 756 metric tonnes of concrete, and 111 metric tonnes of other waste (i.e., plastics, used oil, asphalt, flammables, electronic waste, oily plastic). In addition, 785 metric tonnes of clean wood was reported as incinerated on-site in 2023. Total Project-generated waste in 2023 also included waste disposal recorded at the Cedar Valley Lodge Waste and Water Treatment facility. This was comprised of 667 metric tonnes of general waste, 1,284 metric tonnes of sludge cake for compost, as well as a daily effluent rate of 307 cubic meters. Project-generated waste in 2023 also included non-hazardous waste reported at Forceman Ridge, which totalled 3,897 metric tonnes, approximately one-third of which was treated and/or painted wood. Other non-hazardous items disposed at Forceman Ridge in 2023 included organics/compost, municipal (solid) waste, clean wood, soil (as cover), and construction and demolition waste. Additionally, total Project-generated waste in 2023 included waste disposal recorded at other approved facilities outside the region, which accounted for a total of 575 metric tonnes, including 303 metric tonnes of non-hazardous waste (i.e., food), and 63 regulated and 208 non-regulated metric tonnes of hazardous waste (see Appendix E, Table E-7).

#### 4.7.2. Community Monitoring

In-service area includes areas within the Terrace Solid Waste Service Area that are serviced by RDKS, while out-of-service area refers to areas where materials are generated from outside of the Terrace Solid Waste Area. This includes industrial sources such as LNG Canada. While there are several contributors to the out-of-service area material volumes, the largest contributors are industrial workforce accommodation centres and construction sites.

In 2023, LNG Canada accounted for 49.9% of the out-of-service area waste. It also accounted for 14.4% of the total ASC waste at the RDKS Forceman Ridge Waste Management Facility (RDKS 2024).

#### 4.7.3. Mitigation Effectiveness and Adaptive Management

By implementing its Waste Management Plan (wastewater) and constructing Cedar Valley Lodge to be self-sufficient for potable water and wastewater treatment services, the Project has managed its direct effects on municipal water and sewer services. The Waste Management Plan also includes solid waste and while the Project has avoided the use of municipal landfills, it has had an effect on regional landfills.

The Project did not anticipate the use of the Regional District of Bulkley-Nechako's waste management facilities; however, due to capacity challenges at the Regional District of Kitimat-Stikine's waste management facility, the Project began using the Clearview Sub-Regional Landfill in 2020. The Regional District of Bulkley-Nechako contacted LNG Canada highlighting impacts to its waste management facilities as the Project utilized these facilities for waste from Cedar Valley Lodge. Through discussions with the Chief Administrative Officer about the impact, LNG Canada provided \$250,000 to support the expansion of the Clearview Sub-Regional Landfill to accommodate the increase in waste due to the Project.

The Provincial government had some concerns regarding LNG Canada's waste disposal program, which has waste going to the Regional District of Bulkley-Nechako, out of region, and therefore, has an increased

impact on its emission profile (LNG Canada 2023e). As a result of this feedback, the LNG Canada Implementation Secretariat requested waste information (i.e., monthly and quarterly waste volumes and destinations) be shared with it directly (LNG Canada 2023e). There were no utilities-related concerns or complaints received through the community feedback process in 2023.

Overall, the Project's mitigation measures have managed the Project's direct effects on utilities, but it is adaptively managing its direct effect on regional waste management facilities. In 2023, the Project also implemented measures to address waste contamination and reduce its contribution of waste to regional waste management facilities. These measures included updating the Project's new staff orientation, creating a new Waste Committee that includes a newsletter and ongoing communications regarding recycling, and implementing a Waste Champion Program (LNG Canada 2023e). The Project also implemented social impact management measures<sup>10</sup> to reduce its direct effect on regional waste management facilities. The Project continued to work with the Regional District of Kitimat-Stikine and its Forceman Ridge Waste Management Facility in 2023. This work included a three-month pilot program to increase the amount of Municipal Solid Waste sent to the RDKS' Forceman Ridge Waste Management Facility. During the three-month period, LNG Canada had to ensure their Municipal Solid Waste contained no contamination and had no errors regarding its waste segregation in all loads of waste, organics, and recyclables (LNG Canada 2023e). Truck loads were audited to ensure 100% compliance (LNG Canada 2023e). The Regional District of Bulkley-Nechako's Clearview Sub-Regional Landfill accepted the balance of the Municipal Solid Waste. The Project will continue to monitor its impact on regional waste management facilities and implement adaptive management and/or social impact management measures, where needed. No other adaptive management considerations were necessary for the Utilities SMP in 2023.

## 5. Adaptive Management

Information received through the SMR process paired with feedback directly from stakeholders is an indicator of the effectiveness of the mitigation measures and identifies areas where adaptive management measures should be considered. Adaptive management is a cycle in which the effectiveness of mitigation measures is evaluated based on Project and community monitoring results, and adjusted if needed, to achieve the desired objectives of each SMP. Adaptive management is a continual process, but is reviewed on an annual basis, and adjustments made as needed, with respect to engagement, monitoring, and reporting.

Through the implementation of mitigation measures, the Project limited its direct effects on housing and accommodations, traffic, emergency response, community health, and community amenities. However, the Project did implement adaptive management and social impact management measures for childcare, education, and utilities in 2023.

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<sup>10</sup> Activities to avoid/minimize negative impacts and enhance positive impacts related to LNG Canada's business and operations (e.g., fence-line health impacts) (LNG Canada 2023c).

In 2023, through the SMR process, it was identified that the Project was having an impact on childcare and education due to the accompanying children of relocated Project staff. In order to address this impact, the Project provided local service providers with the support needed to reduce its direct effects. This support included providing the Tamitik Status of Women's new childcare facility in Kitimat with funding for childcare furniture, play structures, a sandbox, rubber tiles, and a playhouse. It also included funding that went towards supporting Kitimat schools. LNG Canada also worked with CMSD 82 to provide its workforce with registration information and answers to other frequently asked questions. It also provided funding to CMSD 82 to furnish the additional classrooms needed to support the children of the Project's relocated workers. LNG Canada worked with CMSD 82 to provide student forecasting information that the schools could use for planning. The Project will continue to monitor its impact on childcare and educational facilities and implement adaptive management and/or social impact management measures, where needed.



Since the RDKS first voiced its concern regarding the Project's impact on its Forceman Ridge Waste Management Facility in 2020, the Project has continued to work to reduce its impact on the regional landfill. In 2023, this work included a three-month pilot program to increase the amount of Municipal Solid Waste sent to the RDKS' Forceman Ridge Waste Management Facility. The Project will continue to monitor its impact on regional waste management facilities and implement adaptive management and/or social impact management measures, where needed. The mitigation measures implemented for housing and accommodations, traffic, emergency response, community health, and community amenities have shown effectiveness and no further mitigation management considerations appear to be necessary for 2023. LNG Canada continues to work with Indigenous groups, local governments, community groups, and stakeholders to enhance the effectiveness of mitigation measures.

## 6. Closure

LNG Canada has convened quarterly SMR meetings since Q2 2019. However, in response to feedback received throughout 2023 and through the SMR Feedback Survey, the Project decided to decrease the frequency of the SMR meetings from quarterly to biannually to increase their effectiveness and reduce SMR participants' engagement fatigue. While the SMR will convene bi-annually, it is anticipated that the time between SMR meetings will be used to continue dialogue and work actively on actions items and adaptive management practices.

LNG Canada's CLISMP has allowed the Project to continue to improve awareness and understanding of the Project and its effects; mitigate potential adverse effects on Indigenous groups and stakeholders and enhance Project benefits; develop and maintain relationships with Indigenous groups and stakeholders; and address Indigenous groups and stakeholders' concerns, where applicable. LNG Canada continues to monitor Project activities and their interaction with and impact on communities, address uncertainty related to the effectiveness of its mitigation measures, and practice adaptive management, where applicable.



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## **7.1. PERSONAL COMMUNICATIONS**

Morgan, G. S/Sgt, Royal Canadian Mounted Police, Kitimat Detachment. Email. May 28, 2024.

Soames, T. Manager, Clinical Operations, Northwest District. Email. May 27, 2024.

## Appendix A Social Management Roundtable Working Group Contacts and Participants

Organizations represented in the table below were invited to participate or participated in SMR working group sessions over the course of 2023. A complete list of organizations invited to participate in SMR working groups is identified and updated annually in the SMR terms-of-reference.

*Table A-1 Social Management Roundtable Working Group Contacts and Participants*

SMR Working Group	Group	Participants	
		Terms of Reference (2020)	Social Management Roundtable
Housing & Accommodations – including Childcare	Project Team	LNG Canada, JFJV, support (Stantec and Earncliffe)	LNG Canada (Social Performance, HSSE, Logistics, Business Excellence), JFJV (External Affairs, HSSE, Site Services), Stantec (Project Support), Earncliffe Strategies (Project Support)
	Indigenous Groups	Haisla Nation, Kitselas First Nation, Kitsumkalum First Nation, Other Indigenous Groups should concerns be raised	Kitsumkalum First Nation (Lands and Referrals), Haisla (Haisla Nation Council, Director of Health, Emergency Services Coordinator)
	Local/Regional Governments	District of Kitimat, City of Terrace, Regional District of Kitimat-Stikine	District of Kitimat (Manager of Planning, Director of Economic Development), City of Terrace (Director of Economic Services)
	Local/Regional Community Organizations	Northern Real Estate Board, Tamitik Status of Women, Kitimat Community Development Centre, Kermode Friendship Centre, Ksan Society, Terrace and District Community Services, Kitimat Community Services Society (Victim Services)	Tamitik Status of Women (Deputy Director), Kitimat Chamber of Commerce (Executive Director), Kitimat RMCP (Sgt.), Terrace and District Chamber of Commerce (Executive Director), Regional District of Kitimat-Stikine (Solid Waste Coordinator, Solid Waste Manager, Director of Work and Services)
	Province of BC	LNG Canada Implementation Secretariat, Northern Health Authority, Ministry of Municipal Affairs and Housing, Ministry of Child and Family Development, Ministry of Social Development and Poverty Reduction	Northern Health (HEMBC), LNG Implementation Secretariat, Woodfibre Implementation Group, Ministry of Municipal Affairs, Ministry of Environment, WorkSafe BC

SMR Working Group	Group	Participants	
		Terms of Reference (2020)	Social Management Roundtable
Traffic & Emergency Response	Project Team	LNG Canada, JFJV, support (Stantec and Earncliffe)	LNG Canada, JFJV, support (Stantec and Earncliffe)
	Indigenous Groups	Haisla Nation, Kitselas First Nation, Kitsumkalum First Nation, Other Indigenous Groups should concerns be raised	Haisla Nation, Kitselas First Nation, Gitga'at First Nation, Kitsumkalum First Nation
	Local/Regional Governments	District of Kitimat, City of Terrace, Regional District of Kitimat-Stikine	District of Kitimat, City of Terrace, RDKS
	Local/Regional Community Organizations	Kitimat RCMP, Terrace RCMP, Kitimat Fire and Ambulance Service (KFAS), Terrace Fire Department, RDKS Thornhill Fire Department, Northwest Regional Airport (YXT)	Kitimat RCMP, Kitimat Fire and Ambulance Service, Terrace Fire Department, Kitimat Chamber of Commerce, Terrace Chamber of Commerce
	Province of BC	LNG Canada Implementation Secretariat, Ministry of Transportation and Infrastructure, ICBC, Northern Health, BC EHS (BC Ambulance Service), Emergency Management BC (Northwest Region), Ministry of Municipal Affairs and Housing	LNG Canada Implementation Secretariat, Ministry of Transportation and Infrastructure, ICBC, Northern Health Authority, First Nation Health Authority, Ministry of Emergency Management BC (now Ministry of Emergency Management and Climate Readiness), Ministry of Municipal Affairs and Housing, Ministry of Jobs, Economic Recovery and Innovation, Ministry of Public Safety and Solicitor General, HEMBC (Northern Health Authority)
Community Health	Project Team	LNG Canada, JFJV, support (Stantec and Earncliffe)	LNG Canada, JFJV, support (Stantec and Earncliffe)
	Indigenous Groups	Haisla Nation, Kitselas First Nation, Kitsumkalum First Nation, Gitga'at First Nation, Gitxaala Nation, Lax Kw'alaams Band, Metlakatla First Nation	Haisla Nation, Kitselas First Nation, Gitga'at First Nation, Gitxaala Nation
	Local/Regional Governments	District of Kitimat, City of Terrace, Regional District of Kitimat-Stikine	District of Kitimat, City of Terrace, RDKS
	Local/Regional Community Organizations	Kitimat RCMP, Terrace RCMP, Kitimat General Hospital, Mills Memorial Hospital, Kitimat Community Development Centre, Kermodie Friendship Centre, Ksan Society, Terrace and District Community Services Society	Kitimat Fire and Ambulance Service, Kitimat Community Development Centre, Kitimat Community Services Society, Terrace and District Community Services Society, Tamitik Status of Women,

SMR Working Group	Group	Participants	
		Terms of Reference (2020)	Social Management Roundtable
			Ksan Society, Kitimat Chamber of Commerce, Terrace Chamber of Commerce
Community Health (cont'd.)	Province of BC	LNG Canada Implementation Secretariat, Northern Health Authority, WorkSafe BC, Emergency Management BC (Northwest Region), BC EHS (BC Ambulance Service), Ministry of Municipal Affairs and Housing, Ministry of Health, Ministry of Public Safety and Solicitor General, Ministry of Social Development and Poverty Reduction	LNG Canada Implementation Secretariat, Northern Health Authority, First Nation Health Authority, Ministry of Municipal Affairs and Housing, Ministry of Health, Ministry of Jobs, Economic Recovery and Innovation
Community Amenities, Education and Utilities	Project Team	LNG Canada, JFJV, support (Stantec and Earncliffe)	LNG Canada, JFJV, support (Stantec and Earncliffe)
	Indigenous Groups	Haisla Nation, Kitselas First Nation, Kitsumkalum First Nation, Other Indigenous Groups should concerns be raised	Kitsumkalum First Nation
	Local/Regional Governments	District of Kitimat, City of Terrace, Regional District of Kitimat-Stikine	District of Kitimat
	Local/Regional Community Organizations	Coast Mountain School Board, Coast Mountain College, Kitimaat Valley Education Society, St. Anthony Catholic School, Veritas Catholic School, Kermode Tourism Society, Kitimat Landfill, Terrace Landfill, Thornhill Landfill, Regional District of Kitimat-Stikine Forceman Ridge Waste Management Facility, Kitimat Understanding the Environment, Kitimat Chamber of Commerce, Terrace Chamber of Commerce	Coast Mountain School District 82, RDKS Forceman Ridge Waste Management Facility
	Province of BC	LNG Canada Implementation Secretariat, Ministry of Education, Northern Health, Ministry of Environment and Climate Change Canada, Ministry of Municipal Affairs and Housing, Ministry of Jobs, Economic Recovery and Innovation	LNG Canada Implementation Secretariat, Ministry of Environment and Climate Change Strategy, Ministry of Municipal Affairs and Housing, Ministry of Energy and Petroleum Resources

## Appendix B                      Abbreviations

<b>ACP</b>	Advanced Care Paramedic
<b>ADR</b>	Average Daily Rate
<b>ASC</b>	Air-Space Consuming
<b>BC</b>	British Columbia
<b>BCEHS</b>	BC Emergency Health Services
<b>BCIT</b>	BC Institute of Technology
<b>BCNREB</b>	BC Northern Real Estate Board
<b>BRA</b>	Big River Analytics
<b>CAD</b>	Canadian Dollar
<b>CLISMP</b>	Community Level Infrastructure and Services Management Plan
<b>CMHC</b>	Canadian Mortgage and Housing Corporation
<b>CMSD</b>	Coast Mountain School District
<b>COT</b>	City of Terrace
<b>CT</b>	Computed Tomography
<b>DOK</b>	District of Kitimat
<b>EAC</b>	Environmental Assessment Certificate
<b>EAO</b>	Environmental Assessment Office
<b>ECG</b>	Electrocardiogram
<b>ER</b>	Emergency Room
<b>HSDA</b>	Health Service Delivery Area
<b>IVMS</b>	In Vehicle Monitoring System
<b>JFJV</b>	JGC Fluor BC LNG Joint Venture
<b>KFAS</b>	Kitimat Fire and Ambulance Service
<b>KGH</b>	Kitimat General Hospital

<b>LNG</b>	Liquefied Natural Gas
<b>LNG Canada</b>	LNG Canada Development Inc.
<b>LOA</b>	Living Out Allowance
<b>MAWDT</b>	Monthly Weekly Average Daily Traffic
<b>MERRF</b>	Marine Emergency Response and Research Facility
<b>MOTI</b>	BC Ministry of Transportation and Infrastructure
<b>MUNI</b>	BC Ministry of Municipal Affairs
<b>NHPPH</b>	Northern Health Professional Health Program
<b>PIT</b>	Point-in-Time
<b>PCP</b>	Primary Care Paramedic
<b>PRC</b>	Project Resource Centre
<b>RCMP</b>	Royal Canadian Mounted Police
<b>RDKS</b>	Regional District of Kitimat-Stikine
<b>SMP</b>	Social Management Plan
<b>SMR</b>	Social Management Roundtable
<b>TFD</b>	Terrace Fire Department
<b>TSW</b>	Tamitik Status of Women
<b>TTF</b>	Trades Training Fund
<b>UNBC</b>	University of Northern British Columbia
<b>YXT</b>	Northwest Regional Airport



## Appendix C Social Management Roundtable Action Items

Table C-1 Social Management Roundtable Action Items, 2023

#	Working Group	Action / Information Request	Status / Notes
2023-01	General	Provide information regarding technology and process that is used to detect leaks in the pipeline.	<p><b>Closed.</b> TC Energy monitors the pipeline system through centralized high-tech control centres 24 hours a day, 365 days a year. The control centres include an operational control system, a leak detection system and a satellite communication network. More details were provided.</p> <p><b>Notes:</b> Information received from TC Energy was forwarded to Alex Jr. Grant, Haisla Nation Council on May 23, 2023.</p>
2023-02	Workforce Updates	Provide a breakdown of current operational workforce hires that are local or self-identify as Indigenous and/or women.	<p><b>Closed.</b> Current operational workforce includes 45% local, 20% women, and 7% Indigenous.</p> <p><b>Notes:</b> LNG Canada provided the information to Charlene Webb, Kitsumkalum Health Director on May 24, 2023.</p>
2022-Q2-02	Housing & Accommodations	<p>Follow up with City of Terrace regarding how Coast Mountain College courses could be used as an opportunity to collaborate on a training program to increase local skills.</p> <p>Apply learnings from Power Engineering Readiness Course to certifications for other trades.</p> <p><b>Revised:</b> During the May 2023 SMR, Linda Stevens requested this action remain open and that LNG Canada schedule a meeting with her directly.</p>	<p><b>Closed.</b> LNG Canada has provided information and met with the City of Terrace and Government of BC to discuss potential opportunities to bring training to Terrace. LNG Canada will continue to meet on this topic with the City of Terrace.</p> <p><b>Notes:</b> A meeting was held with Kris Boland and Maggie Hall from the City of Terrace where the action item was discussed. It was determined that the City of Terrace was not aware of this request made in September 2022 and that no further action is needed.</p>
2022-Q3-07	Housing & Accommodations	Follow up with the City of Terrace and Ministry of Municipal Affairs and Housing regarding a thought partnership about shelters.	<p><b>Closed.</b> A meeting was held on June 1 and June 26, 2023. The outcome of the meeting resulted in information sharing on programs and potential supports from the Government of BC to City of Terrace.</p> <p><b>Notes:</b> Initial email was sent within two week of closing February SMR. The City of Terrace Administration confirmed which employee to approach for this action item. An update will be provided if further meetings are held.</p>

#	Working Group	Action / Information Request	Status / Notes
2023-03	Housing & Accommodations	Request information from TC Energy to better understand the pipeline's accommodation strategy and perceived use of hotel block bookings in Kitimat and Terrace. Participants hope there is an opportunity to release unused hotels to enable the region to host large events and tournaments.	<b>Closed.</b> TC Energy confirmed that there are no hotel room blocks booked for extended periods of time in the Kitimat and Terrace area.  <b>Notes:</b> Email was sent on May 22, 2023.
2022-Q2-04	Community Health	Follow up with Northern Health regarding on-site statistics for overdose, sexual assault, and substance use management programs used at other workforce accommodation centres.	<b>Closed.</b> Action was further discussed at the February 2023 SMR.  <b>Notes:</b> During the November 2022 and February 2023 SMR, the Project team provided an overview of substance use management programs on site as well as information and services pertaining to sexual assault. The Project Team confirmed mental health stats are being sent to Northern Health.
2023-04	Community Health	Clarification regarding the number of unique individuals accessing mental health and wellness programming.	<b>Closed.</b> LNG Canada emailed Northern Health on May 31, 2023. Approximately 60% of the clients are individuals accessing programs more than once.  <b>Notes:</b> Information was reviewed during a monthly connect with Northern Health. Further information may be requested directly from the Project Team.
2023-05	Community Health	Provide information on where the Emergency Response Plan can be accessed by stakeholders.	<b>Closed.</b> The Plan is not readily available online. Stakeholders may request the Plan from BC Oil & Gas Commission.
2023-06	Waste	A pilot program be conducted for a period of three months to assess the project's ability to bring municipal solid waste (MSW) to Forceman Ridge.	<b>Closed.</b> Three-month pilot concluded; JFJV and Forceman Ridge continue to meet and discuss waste management plans.  <b>Notes:</b> The Project has received a three-month MSW permit from Forceman Ridge. The first scheduled load of MSW to be delivered to Forceman Ridge is June 7, 2023.

#	Working Group	Action / Information Request	Status / Notes
2023-07	Education	LNG Canada and CMSD 82 to compile registration information and other frequently asked questions that LNG Canada can distribute to new hires and the workforce.	<b>Closed.</b> Intent of August session was to identify content to include in messaging to LNG Canada families.  <b>Notes:</b> CMSD 82 and LNG Canada will assess impacts to the schools and explore possible mitigations. Other funding opportunities to support overall student wellbeing and success will also be explored. LNG Canada will also offer to meet with St. Anthony's to discuss opportunities and potential impacts and mitigations.
2023-08	Education	LNG Canada has requested information to understand the cost of furnishing a classroom and anticipated increase for the 2023/2024 school year in response to LNG Canada mobilization impacting school enrolment.	<b>Closed.</b> LNG Canada and CMSD 82 entered into two agreements since May 2023 SMR. Discussions are underway with St. Anthony's regarding impacts and potential mitigations. Discussions will continue through SMR and regular engagements with both CMSD 82 and St. Anthony's.
2023-09	Housing & Accommodations	LNG Canada to confirm the number of leases in Terrace.	<b>Closed.</b> LNG Canada's Real Estate team confirmed that there are two leases in Terrace from the existing housing stock.
2023-10	Social Investment and Social Impact Management	LNG Canada to share Terry Fox registration information provided by Kitimat Chamber of Commerce with LNG Canada's Culture Committee.	<b>Closed.</b> Information was sent to LNG Canada's Culture Committee on August 23, 2023.
2023-11	Education	LNG Canada to discuss potential hiring incentives for Kitimat schools with CMSD 82.	<b>Closed.</b> Preliminary discussion with CMSD 82 is underway.  <b>Notes:</b> During the discussion, it was noted that if the Haisla Community School was facing recruitment challenges, a similar offer would be discussed with it.
2023-12	Education	LNG Canada and the District of Kitimat discuss opportunities to provide recreation passes to teachers.	<b>Closed.</b> LNG Canada met with the District of Kitimat to discuss previous health incentives offered to teachers. Conversations may continue at the November SMR.
2023-13	Education	District of Kitimat meet with CMSD 82 to discuss opportunities to support with marketing to attract new teachers to the region.	<b>Closed.</b> The District of Kitimat met with CMSD 82 and are working together on the workforce marketing project underway.
2023-14	Education	LNG Canada will follow up with Northern Health to raise the licensing challenges experienced by CMSD 82 and St. Anthony's to establish before and after school care programs.	<b>Closed.</b> There is now a licensing officer working with the schools.

#	Working Group	Action / Information Request	Status / Notes
2023-15	Education	LNG Canada and CMSD 82 discuss potential funding to support UNBC program delivery to unlicensed teachers in Kitimat.	<b>Open.</b> CMSD 82 and LNG Canada met on November 6th to discuss application made to the Province of BC as well as potential support. Discussions will continue in May 2024.  <b>Notes:</b> LNG Canada will book a meeting in October 2023 with CMSD 82 to discuss Action Items 2023-15, 16, 17.
2023-16	Education	LNG Canada and CMSD 82 discuss funding opportunity to support having practicum students placed in region through the UBC Community Stay Experience program.	<b>Closed.</b> CMSD 82 and LNG Canada met on November 6 <sup>th</sup> to discuss potential support.
2023-17	Education	LNG Canada will reach out CMSD 82 and St. Anthony's in the Fall to discuss training and development opportunities for current teachers.	<b>Open.</b> Preliminary discussions occurred with CMSD 82 and St. Anthony's. Continued discussion will occur in May 2024.
2023-18	Housing & Accommodations	LNG Canada to consider inviting local developers to present at SMR.	<b>Open as of December 31, 2023.</b>
2023-19	Housing & Accommodations	LNG Canada to report on the number of LNG Canada direct hires.	<b>Closed.</b> As of November 30, 2023, there are 259 direct hire employees.
2023-20	Community Health	LNG Canada and Kitimat RCMP meet with discuss injury reporting protocol.	<b>Open as of December 31, 2023.</b>
2023-21	Community Health	LNG Canada, JFJV, and Northern Health meet to discuss medical service triggers and the industrial transportation protocol.	<b>Open as of December 31, 2023.</b>
2023-22	Community Health	LNG Canada will provide an update on workforce forecasting.	<b>Open as of December 31, 2023.</b>
2023-23	Community Health	LNG Canada and Northern Health to connect on potential committees that exist in supporting placement of workers.	<b>Open as of December 31, 2023.</b>
2023-24	Emergency Response & Traffic	LNG Canada to invite Northern Health to scenario training meetings.	<b>Open.</b>  <b>Notes:</b> Before hydrocarbon introduction, there will be weekly exercises and drills as well as quarterly Incident Management Team training. Two more scenario exercises are planned before the intro of hydrocarbons.
2023-25	Emergency Response & Traffic	LNG Canada to invite DOK, NHA, EMCR, HEMBC and RCMP to observe an on-site exercise.	<b>Open as of December 31, 2023.</b> <b>Notes:</b> The intention is to also review notification processes and talk through the formal process.

#	Working Group	Action / Information Request	Status / Notes
2023-26	Emergency Response & Traffic	LNG Canada will meet with RCMP once the Site Security Risk Assessment is complete.	<b>Open as of December 31, 2023.</b>  <b>Notes:</b> Kitimat RCMP requested additional information on anticipated flight schedules and cancellation processes to support the detachment in understanding workforce travel trends in community.
2023-27	Solid Waste	Share LNG Canada's waste jeopardy game with RDKS.	<b>Open as of December 31, 2023.</b>
2023-28	Solid Waste	Assess Project's ability to provide Forceman Ridge a site tour around safety day.	<b>Open as of December 31, 2023.</b>
2023-29	Solid Waste	Share contact information from participants with JFJV Site Services to discuss needs and potential support recycling used material (e.g., concrete barriers).	<b>Closed.</b> Contact information was emailed to JFJV 5 Dec 2023.
2023-30a	Education	LNG Canada to discuss demobilization forecasts with CMSD 82 and St. Anthony's in Q1 2024 to support provincial budgeting requirements. Must be provided by March at the very latest.	<b>Open as of December 31, 2023.</b>
2023-30b	Education	LNG Canada to provide permanent workforce and demobilization data.	<b>Open as of December 31, 2023.</b>
2023-31	Education	CMSD 82 and LNG Canada meet in Q1 2024 to discuss opportunities to work with career counsellors.	<b>Open as of December 31, 2023.</b>
2023-32	Education	CMSD 82 determine if further support is needed for the hiring incentive for the 2024/2025 school year.	<b>Open as of December 31, 2023.</b>
2023-33	Education	Request that the January site tour offered to teachers be expanded beyond solely teachers but also support roles.	<b>Open as of December 31, 2023.</b>
2023-34	Education	CMSD 82 and LNG Canada's Workforce Development meet to discuss programming options in the schools and during spring break.	<b>Open as of December 31, 2023.</b>

Table C-2 Government Discussions and Follow-Up

Government Agency	Discussions and Follow-Up
Ministry of Municipal Affairs	<p>Bring feedback received from the Terrace-focused session regarding the onerous reporting requirements after receiving NDIT funding. Local organizations felt the reporting requirements for UBCM grants may be sufficient for NDIT.</p> <p><b>Update:</b> Feedback was provided to NDIT. Further updates will be provided by MUNI.</p>
Ministry of Municipal Affairs and LNGC Implementation Secretariat	<p>Bring feedback received from the Terrace-focused session regarding the requirement to have an industrial forum that looks at cumulative impacts as per Schedule B Table of Conditions for an Environmental Assessment Certificate.</p> <p><b>Update:</b> Condition #14 of LNG Canada's EAC does not require the provincial government to set up an industrial forum. The condition sets out a mechanism that would compel LNG Canada to participate in such a forum should the provincial government conduct one. The desire for an industrial forum has been noted and reported up.</p>
LNGC Implementation Secretariat	<p>Follow up with TC Energy to better understand the pipeline's worker accommodation strategy and use of hotels in Kitimat and Terrace.</p> <p><b>Update:</b> TC Energy confirmed that CGL utilizes the Ledcor-Haisla-MSJV shuttles running a daily return service to the Terrace airport from Sitka Lodge and Hunter Creek Lodge (CGL's workforce accommodation in the area). No CGL employees utilize hotels in Terrace.</p>

# Appendix D Community Level Infrastructure and Service Management Plan Reporting/Monitoring Metrics Summary

**Project Reporting**

*Table D-1 Project Reporting Metrics*

SMP	Data Provider	Project Metrics
<b>Housing &amp; Accommodations (also Childcare, Community Amenities &amp; Education)</b>	JVJV (CIMP data); LNG-Canada (CLIMSP data)	<ul style="list-style-type: none"> <li>Project local (resident) workforce (average)</li> <li>Project non-local workforce – temporarily housed at Cedar Valley Lodge (average beds)</li> <li>Project non-local workforce – temporarily housed in Kitimat Open Lodges (average beds)</li> <li>Project staff relocated to Kitimat, presently staying in company provided housing (average)</li> <li>Accompanying partners and spouses of relocated Project staff (average)</li> <li>Accompanying children of relocated Project staff (average)</li> <li>Number of housing related concerns or complaints</li> </ul>
<b>Traffic</b>	JFJV (CIMP Reports); LNG-Canada (CLIMSP data)	<ul style="list-style-type: none"> <li>Number of daily Project bus trips from Northwest Regional Airport (YXT) to Kitimat (avg. passengers/day)*</li> <li>Number of daily Project bus trips from Terrace Park &amp; Ride to Kitimat (avg. passengers/day)*</li> <li>Number of daily Project bus trips from Kitimat and Kitimat Village Park &amp; ride to site (avg. passengers/day)</li> <li>Total number of road transport-related incidents and near misses</li> <li>Number of Project personnel on commercial flights through YXT</li> <li>Number of Project personnel on charter flights</li> <li>Provision of Project transportation plans to transportation authorities</li> <li>Notifications to service providers and the public regarding scheduling of transportation equipment</li> <li>Number of meetings with transportation authorities on traffic management, congestion, and road safety</li> <li>Number of traffic related concerns or complaints</li> </ul>



SMP	Data Provider	Project Metrics
Emergency Response	JFJV (CIMP Reports); LNG-Canada (CLISMP data)	<ul style="list-style-type: none"> <li>• Number of ambulance service calls to site</li> <li>• Number of fire department service calls to site</li> <li>• Number of RCMP service calls to site</li> <li>• Number of meetings held to coordinate and plan emergency response</li> <li>• Number of emergency response related concerns or complaints</li> </ul>
Community Health	JFJV (CIMP Reports); LNG-Canada (CLISMP data)	<ul style="list-style-type: none"> <li>• Number of workplace occupational injuries and illnesses requiring treatment at local hospitals</li> <li>• Number of workplace non-occupational injuries and illnesses requiring treatment at local hospitals</li> <li>• Number of workplace injuries or illnesses requiring medevac</li> <li>• Number of recordable occupational injuries</li> <li>• Number of recordable non-occupational visits to on-site medical clinics</li> <li>• Number of notifications to health authorities for occurrence of communicable illnesses/diseases</li> <li>• Percentage of workers who have signed the Worker Code of Conduct (average)</li> <li>• Percentage of workers who have completed Cultural Awareness Training (average)</li> <li>• Number of community health related concerns or complaints</li> </ul>
Education	JFJV (CIMP Reports); LNG-Canada (CLISMP data)	<ul style="list-style-type: none"> <li>• Project local (resident) workforce (average)</li> <li>• Project non-local workforce – temporarily housed in Kitimat Open Lodges (average beds)</li> <li>• Project staff relocated in Kitimat, presently staying in company provided housing (average)</li> <li>• Accompanying partners and spouses of relocated of relocated Project staff (average)</li> <li>• Accompanying children of relocated Project staff (average)</li> <li>• Number of education relation concerns or complaints</li> </ul>

SMP	Data Provider	Project Metrics
Utilities	JFJV (CIMP Reports); LNG-Canada (CLISMP data)	<ul style="list-style-type: none"> <li>• Project waste sent for Recycling:               <ul style="list-style-type: none"> <li>○ Cardboard</li> <li>○ Metal (ferrous and non-ferrous)</li> <li>○ Hard and soft plastics</li> <li>○ Paper</li> <li>○ Concrete</li> <li>○ Asphalt</li> <li>○ Used oil</li> <li>○ Recovered flammables</li> <li>○ Oily plastic + ICB totes</li> <li>○ Clean wood incinerated on-site</li> </ul> </li> <li>• Cedar Valley Lodge Waste and Water Treatment               <ul style="list-style-type: none"> <li>○ Municipal waste generated at Cedar Valley Lodge</li> <li>○ Influent flow rates from Cedar Valley Lodge wastewater treatment (m3/day)</li> <li>○ Effluent flow rates from Cedar Valley Lodge wastewater treatment (m3/day)</li> <li>○ Sludge cake for compost and re-use</li> </ul> </li> <li>• Non-Hazardous Waste Disposed at Forceman Ridge (RDKS)               <ul style="list-style-type: none"> <li>○ Construction &amp; demolition waste</li> <li>○ Municipal solid waste</li> <li>○ Treated wood (includes painted wood)</li> <li>○ Clean wood</li> <li>○ Organics for compost and re-use</li> <li>○ Soil (as cover)</li> <li>○ Concrete</li> </ul> </li> <li>• Waste Disposed at Approved Facilities (out of Region)               <ul style="list-style-type: none"> <li>○ Non-hazardous waste disposed to approved facilities outside of the region (i.e., food waste)</li> <li>○ Hazardous waste disposal to approved facilities outside of the region (TDG regulated, landfilled, recovered)</li> <li>○ Hazardous waste, non-regulated waste (non-TDG, burial in engineered landfill, nonregulated liquids, soils)</li> </ul> </li> <li>• Total Project-generated waste (solids)</li> <li>• Total Project-generated waste (liquids)</li> <li>• Total number of municipal utility related concerns or complaints</li> </ul>

**Community Monitoring**

Table D-2 Community Monitoring Metrics

SMP	Data Provider	Community Data (Frequency)
Housing & Accommodations – including Childcare	BRA and Stantec 2024	<ul style="list-style-type: none"> <li>Regional hotel/ motel occupancy rates (average)</li> <li>Regional hotel/motel daily rates (average)</li> </ul>
	BCNREB 2024	<ul style="list-style-type: none"> <li>Residential Real Estate Prices (average)</li> <li>Residential Units sold (average)</li> </ul>
	BRA and Stantec 2024	<ul style="list-style-type: none"> <li>Rental accommodation vacancy rate (average)</li> <li>Rental cost (average)</li> </ul>
	M’akola Housing Society 2024; BC Housing 2024	<ul style="list-style-type: none"> <li>M’akola housing / affordable housing units occupied</li> <li>Waitlists for affordable / supportive housing</li> <li>Social housing unit count</li> </ul>
	BC Housing 2023a	<ul style="list-style-type: none"> <li>Unhoused population</li> </ul>
	NHPHP 2024	<ul style="list-style-type: none"> <li>Childcare Licensed facilities</li> <li>Childcare Licensed spaces</li> </ul>
Traffic	Northwest Regional Airport (YXT) 2024	<ul style="list-style-type: none"> <li>Terminal Volume (Commercial Passengers) through YXT</li> </ul>
	BC MOTI 2024	<ul style="list-style-type: none"> <li>Monthly Average Weekday Traffic (MAWDT) (monthly)</li> </ul>
	ICBC	<ul style="list-style-type: none"> <li>Number of traffic collisions reporting</li> </ul>
Emergency Response	RCMP 2024	<ul style="list-style-type: none"> <li>RCMP number of calls for service</li> <li>RCMP number of founded criminal incidents by crime type</li> </ul>
	KFAS 2024; TFD 2024; Thornhill Fire Department 2024	<ul style="list-style-type: none"> <li>Number of firefighter response incidents</li> </ul>
	KFAS 2024; BCEHS 2024	<ul style="list-style-type: none"> <li>Number of ambulance / medical related incidents</li> </ul>
	Statistics Canada	<ul style="list-style-type: none"> <li>Crime rate</li> <li>Criminal Code of Canada (CCC) offences</li> </ul>
Community Health	Northern Health	<ul style="list-style-type: none"> <li>Number of Emergency Room (ER) visits (monthly)</li> <li>Number of unscheduled ER visits/% of unscheduled ER visits (monthly)</li> <li>Number of unscheduled ER visits linked to Workers Compensation Board (WCB) claims (monthly)</li> <li>Number of patients with home Health Service Delivery Areas (HSDA) outside of the Northern Health Authority (monthly)</li> <li>Number of non-local medical imaging patients/% of non-local medical imaging patients (monthly)</li> </ul>
Community Amenities	BC Parks 2024	<ul style="list-style-type: none"> <li>Park users/visitors numbers</li> </ul>

SMP	Data Provider	Community Data (Frequency)
Education	Ministry of Education 2024; UNBC 2024;	<ul style="list-style-type: none"> <li>• CMSD student enrolment</li> <li>• Number of educators, including teachers, administrative and supporting staff</li> <li>• UNBC student enrolment</li> <li>• CMTN student enrolment</li> <li>• KVES number of participants</li> </ul>
Utilities	RDKS 2024	<ul style="list-style-type: none"> <li>• Landfill demand</li> </ul>

## Appendix E      Community Level Infrastructure and Service Management Plan Project Monitoring Data Summary

Quarterly Data unless otherwise stated.

*Table E-1      Housing & Accommodations – including Childcare Project Reporting, 2023*

Housing & Accommodations, Community Amenities, and Education Indicators	Q1	Q2	Q3	Q4
Project local (resident) workforce (average)	712	742	735	748
Project non-local workforce – temporarily housed at Cedar Valley Lodge (average beds)	2,965	3,888	4,073	3,717
Project non-local workforce – temporarily housed in Kitimat Open Lodges (average beds)	0	54	653	1,379
Project staff relocated to Kitimat, presently staying in company provided housing (average)	122	144	156	162
Accompanying partners and spouses of relocated Project staff (average)	69	83	83	85
Accompanying children of relocated Project staff (average)	110	111	116	123
Number of housing related concerns or complaints	0	1	0	0
SOURCE: CIMP Reports (JFJV); LNGC-reported CLISMP data				

*Table E-2      Traffic Project Reporting, 2023*

Traffic Indicators	Q1	Q2	Q3	Q4
Number of daily Project bus trips from Northwest Regional Airport (YXT) to Kitimat (avg. passengers/day) <sup>11</sup>	11 (243)	12 (275)	17 (310)	14 (278)
Number of daily Project bus trips from Terrace Park & Ride to Kitimat (avg. passengers/day)	19 (81)	13 (71)	14 (69)	12 (79)
Number of daily Project bus trips from Kitimat and Kitimaat Village Park & Ride to site (avg. passengers/day)	16 (254)	15 (322)	18 (285)	16 (276)
Total number of road transport-related incidents and near misses	19	15	12	14

<sup>11</sup> Avg. passengers per day rounded up to whole numbers.

Traffic Indicators	Q1	Q2	Q3	Q4
Number of Project personnel on commercial flights through YXT	847	1,203	1,029	1,288
Number of Project personnel on charter flights	21,785	24,621	28,445	26,283
Provision of Project transportation plans to transportation authorities	0	0	0	0
Notifications to service providers and the public regarding scheduling of transportation equipment	0	0	0	0
Number of meetings with transportation authorities on traffic management, congestion, and road safety	2	1	1	0
Number of traffic related concerns or complaints	1	0	2	0
SOURCE: CIMP Reports (JFJV); LNGC-reported CLISMP data				

Table E-3 Emergency Response Project Reporting, 2023

Emergency Response Indicators	Q1	Q2	Q3	Q4
Number of ambulance service calls to site	9	10	28	24
Number of fire department service calls to site	0	0	0	0
Number of RCMP service calls to site	15	18	22	22
Number of meetings held to coordinate and plan emergency response	3	2	1	0
Number of emergency response related concerns or complaints	1	0	0	0
SOURCE: CIMP Reports (JFJV); LNGC-reported CLISMP data				

Table E-4 Community Health Project Reporting, 2023

Community Health Indicators	Q1	Q2	Q3	Q4
Number of workplace occupational injuries and illnesses requiring treatment at local hospitals	29	22	26	33
Number of workplace non-occupational injuries and illnesses requiring treatment at local hospitals	43	52	77	51
Number of workplace injuries or illnesses requiring medevac	0	0	0	0
Number of recordable occupational injuries	12	11	13	19
Number of recordable non-occupational visits to on-site medical clinics	2,240	2,508	3,203	3,433
Number of notifications to health authorities for occurrence of communicable illnesses/diseases	8	5	6	10

Community Health Indicators	Q1	Q2	Q3	Q4
Percentage of workers who have signed the Worker Code of Conduct (average)	100%	100%	100%	100%
Percentage of workers who have completed Cultural Awareness Training (average)	89%	100%	100%	100%
Number of community health related concerns or complaints	3	1	0	2
SOURCE: CIMP Reports (JFJV); LNGC-reported CLISMP data				

Table E-5 Community Amenities Project Reporting, 2023

Community Amenities Indicators	Q1	Q2	Q3	Q4
Project local (resident) workforce (average)	712	742	735	748
Project non-local workforce – temporarily housed at Cedar Valley Lodge (average beds)	2,965	3,888	4,073	3,717
Project non-local workforce – temporarily housed in Kitimat Open Lodges (average beds)	0	54	653	1,379
Project staff relocated to Kitimat, presently staying in company provided housing (average)	122	144	156	162
Accompanying partners and spouses of relocated Project staff (average)	69	83	83	85
Accompanying children of relocated Project staff (average)	110	111	116	123
Number of amenities related concerns or complaints	0	0	0	0
SOURCE: CIMP Reports (JFJV); LNGC-reported CLISMP data				

Table E-6 Education Project Reporting, 2023

Education Indicators	Q1	Q2	Q3	Q4
Project local (resident) workforce (average)	712	742	735	748
Project non-local workforce – temporarily housed at Cedar Valley Lodge (average beds)	2,965	3,888	4,073	3,717
Project non-local workforce – temporarily housed in Kitimat Open Lodges (average beds)	0	54	653	1,379



Education Indicators	Q1	Q2	Q3	Q4
Project staff relocated to Kitimat, presently staying in company provided housing (average)	122	144	156	162
Accompanying partners and spouses of relocated Project staff (average)	69	83	83	85
Accompanying children of relocated Project staff (average)	110	111	116	123
Number of education related concerns or complaints	0	0	0	0
SOURCE: CIMP Reports (JFJV); LNGC-reported CLISMP data				

Table E-7 Utilities Project Reporting, 2023

Utilities Indicators*	Q1	Q2	Q3	Q4
<b>Waste Sent for Recycling</b>				
Cardboard	90.0	92.2	114.2	87.5
Metal (Ferrous and Non-Ferrous)	223.8	379.3	274.8	163.4
Hard and Soft Plastics	4.3	5.9	5.5	6.2
Paper	0.7	9.3	5.5	5.6
Electronic Waste	1.1	1.4	2.0	2.9
Concrete	250.5	191.5	164.2	149.9
Asphalt	12.8	4.7	0	0
Used Oil	2.8	0	20.1	19.0
Recovered Flammables	1.3	1.1	7.3	4.4
Oily Plastic + IBC Totes (LF Diversion)	2.1	2.6	1.3	2.4
Clean Wood Incinerated On Site (LF Diversion)	255.2	255.2	92.4	181.8
<b>Total</b>	<b>844.6</b>	<b>943.2</b>	<b>687.2</b>	<b>623.1</b>
<b>Cedar Valley Lodge Waste and Water Treatment</b>				
Municipal waste generated at Cedar Valley Lodge	188.9	167.5	143.5	166.7
Influent flow rates from Cedar Valley Lodge wastewater treatment (m3/day)	0	0	0	0
Effluent flow rates from Cedar Valley Lodge wastewater treatment (m3/day)	60.12	74.3	86.1	86.4
Sludge cake for compost and re-use	291.7	297.4	332.1	363.0
<b>Total</b>	<b>540.7</b>	<b>539.1</b>	<b>561.7</b>	<b>616.0</b>
<b>Non-Hazardous Waste Disposed at Forceman Ridge, RDKS</b>				
Construction & Demolition (C&D) waste	404.5	297.0	243.2	394.5
Municipal Solid Waste	0	9.0	82.1	219.2
Treated wood (includes painted wood)	297.1	303.8	301.0	257.6

<b>Utilities Indicators*</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Clean wood	6.3	104.4	244.0	83.9
Organics for compost and re-use (Cedar Valley Lodge)	113.2	123.3	127.1	144.2
Soil as cover	1.6	0	0	62.5
Concrete	0	0	0	7.8
<b>Total</b>	<b>822.5</b>	<b>837.5</b>	<b>997.4</b>	<b>1,239.6</b>
<b>Waste Disposed at Approved Facilities Outside of the Region</b>				
Non-hazardous waste disposed to approved facilities outside of the region (i.e., food waste)	169.7	40.4	61.2	32.1
Hazardous waste disposal to approved facilities outside of the region (TDG regulated, landfilled or recovered)	17.2	12.3	14.6	19.2
Hazardous, non-regulated waste (non TDG, burial in engineered landfill, nonregulated liquids & soils)	41.3	60.9	52.9	52.5
<b>Total</b>	<b>228.2</b>	<b>113.6</b>	<b>128.7</b>	<b>103.8</b>
<b>Total Project-generated Waste Solids</b>				
Total Project-generated Waste Solids	2,364.7	2,267.8	2261.5	2,403.0
<b>Total Project-generated Waste Liquids</b>				
Total Project-generated Waste Liquids	64.7	75.4	113.5	109.8
<b>Number of municipal utility related concerns or complaints</b>				
Number of municipal utility related concerns or complaints	0	0	0	0
SOURCE: CIMP Reports (JFJV); LNGC-reported CLISMP data				
NOTE: *all data included in Table E-7 is presented in metric tonnes unless otherwise stated				

## Appendix F      Community Level Infrastructure and Service Management Plan Community Monitoring Data Summary

Year-over-year (YOY) change from 2022 to 2023, unless otherwise stated.

*Table F-1      Housing & Accommodations – including Childcare Community Monitoring, 2023*

Indicator	Kitimat	Terrace
Regional Hotel/Motel Occupancy Rates (average) [%YOY Change] <sup>1</sup>	61.3% [7.9%]	
Regional Hotel/Motel Daily Rates (average) [%YOY Change] <sup>1</sup>	\$158.30 [5.1%]	
Residential Real Estate Prices (average) [%YOY Change] <sup>2</sup>	\$377,824 [-0.3%]	\$506,226 [3.3%]
Residential Units Sold [%YOY Change] <sup>2</sup>	115 [-19.6%]	147 [-6.4%]
Rental Accommodation Vacancy Rate (average) [%YOY Change] <sup>1</sup>	21.3%* [-7.5%]	5.1% [-0.4%]
Rental Cost (average) [%YOY Change] <sup>1</sup>	\$1,472 [-3.4%]	\$1,243 [10.7%]
Housing Affordability Indicator (HAI) [%YOY Change] <sup>2</sup>	N/A	N/A
M'akola Housing Affordable Housing Units Occupied [%YOY Change]	N/A	70.3% [13.6%] <sup>3</sup>
Waitlists for Affordable/Supportive Housing [%YOY Change] <sup>4</sup>	15 [-80.3]	108 [881.8%]
Social Housing Unit Count [%YOY Change] <sup>4</sup>	99 [1.0%]	593 [11.7%]
Unhoused Population [% YOY Change]	55 [-] <sup>5</sup>	156 [45.8%] <sup>6</sup>
Childcare Licensed Facilities <sup>7</sup>	14 [40.0%]	29 [20.8%]
Childcare Licensed Spaces [%YOY Change] <sup>7</sup>	364 [30.0%]	860 [22.5%]
NOTE: *The DOK reported that the vacancy rate is likely closer to 10% after inhabitable units are considered		
SOURCE: <sup>1</sup> BRA and Stantec 2024, <sup>2</sup> BCNREB 2024, <sup>3</sup> M'akola Housing Society 2024, <sup>4</sup> BC Housing 2024, <sup>5</sup> BC Housing 2023a, <sup>6</sup> BC Housing 2023b, <sup>7</sup> NHPHP 2024		

Table F-2 Traffic Community Monitoring, 2023

Indicator	Kitimat	Terrace
Terminal Volume (Commercial Passengers) through YXT [%YOY Change] <sup>1</sup>	280,435 [18.7%]	
Monthly Average Weekday Traffic (MAWDT) (average) [%YOY Change] <sup>2</sup>	3,787 [-5.0%]	
Number of traffic collisions reporting [%YOY Change]	N/A	N/A
SOURCE: <sup>1</sup> YXT 2024, <sup>2</sup> MOTI 2024		

Table F-3 Emergency Response Community Reporting, 2023

Indicator	Kitimat	Terrace	Regional District of Kitimat-Stikine
RCMP Number of Calls for Service [%YOY Change] <sup>1</sup>	4,547 [6.7%]	11,564 [-8.4%]	N/A
RCMP Number of Founded Criminal Incidents by Crime Type [%YOY Change] <sup>1</sup>	3,507 [-7.4%]	9,986 [-12.0%]	N/A
Number of Firefighter Response Incidents [%YOY Change]	202 [11.6%] <sup>2</sup>	403 [29.6%] <sup>3</sup>	569 [3.6%] <sup>4</sup>
Number of Ambulance/Medical-Related Incidents [%YOY Change]	1,587 [-27.0%] <sup>2</sup>	3,553 [-2.1%] <sup>5</sup>	
Staffing Levels	Adequate	Adequate	Adequate
Crime Rate [%YOY Change]	N/A	N/A	N/A
Criminal Code of Canada Offences [%YOY Change]	N/A	N/A	N/A
SOURCE: <sup>1</sup> RCMP 2024, <sup>2</sup> KFAS 2024, <sup>3</sup> TFD 2024, <sup>4</sup> Thornhill Fire Department 2024, <sup>5</sup> BCEHS 2024			

Table F-4 Community Health Community Monitoring, 2023

Indicator	Kitimat	Terrace
Number of ER Visits [%YOY Change]	N/A	N/A
Number of Unscheduled ER Visits/% of Unscheduled ER Visits [%YOY Change]	N/A	N/A
Number of Unscheduled ER Visits Linked to WCB Claims [%YOY Change]	N/A	N/A
Number of Patients with HSDAs Outside of the Northern Health Authority [%YOY Change]	N/A	N/A

Number of Non-local Medical Imaging Patients/% of Non-local Medical Imaging Patients [%YOY Change]	N/A	N/A
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NOTES: Quantitative data for Community Health was not available for 2023.

*Table F-5 Community Amenities Community Monitoring, 2023*

Indicator	Kitimat	Terrace	
		Ferry Island	Furlong Bay, Lakelse Lake
Park Users/Visitor Numbers	9,772 [27.1%] <sup>1</sup>	6,029 [7.9%] <sup>2</sup>	31,558 [-4.5%] <sup>3</sup>

SOURCE: <sup>1</sup>DOK 2024, <sup>2</sup>COT 2024, <sup>3</sup>BC Parks 2024

*Table F-6 Education Community Monitoring, 2023*

Indicator	Kitimat	Terrace
CMSD 82 Student Enrolment [%YOY Change] <sup>1</sup>	4,290 [1.0%]	
Number of Educators, including Teachers, Administrative and Supporting Staff [%YOY Change]	N/A	
UNBC Student Enrolment [%YOY Change] <sup>2</sup>	N/A	192 [-32.2%]
CMTN Student Enrolment [%YOY Change]	N/A	N/A
KVES Number of Participants [%YOY Change]	N/A	N/A

SOURCE: <sup>1</sup>Ministry of Education 2024, <sup>2</sup>UNBC 2024

*Table F-7 Utilities Community Monitoring, 2023*

Indicator	Kitimat	Terrace	Regional District of Kitimat-Stikine
Landfill Demand [%YOY Change] <sup>1</sup>	N/A	N/A	18,968 tonnes [-31.2%]

SOURCE: <sup>1</sup>RDKS 2024