



Coastal GasLink
Pipeline Project

SEEMP Status Report No. 2

July to November 2019

CGL4703-CGP-SE-RPT-0002

December 16, 2019

Revision 0

EXECUTIVE SUMMARY

On October 23, 2014, the British Columbia (B.C.) Environmental Assessment Office (EAO) issued an Environmental Assessment Certificate (EAC) for the Coastal GasLink Pipeline Project (the Project). The EAC was issued with a number of conditions resulting from the EAO's assessment of environmental, social, economic, heritage and health components deemed pertinent to the Project. The EAC was amended on May 15, 2018 to add an alternate route option for a 42-km portion of the Certified Pipeline Corridor.

The EAC for the Project includes 33 conditions to address potential adverse effects based on input from Indigenous groups, local communities and resource management agencies during the Environmental Assessment process. Condition #24 describes the requirement to develop a socio-economic effects management plan.

The Socio-economic Effects Management Plan (SEEMP) identifies Coastal GasLink's approach to implementing mitigation during construction to avoid or reduce potential adverse socio-economic effects on regional and community infrastructure and services. These potential effects were presented in the Project's Application for an EAC (Application). The SEEMP also outlines a process for how Coastal GasLink will monitor and report on the effectiveness of the mitigation. Coastal GasLink will use the SEEMP Adaptive Management Process (SEEMP Section 6.3) in situations where monitoring results indicate that outcomes are not as predicted.

As early construction work continued on the Project for the July – November 2019 reporting period, there have been no detectable adverse effects that would change the predictions of the economy and social assessment presented in the Application. Significant adaptive management strategies have not been required to correct for unanticipated potential adverse effects on economy, regional and community infrastructure and services and transportation infrastructure and services.

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1.0 INTRODUCTION

The Socio-economic Effects Management Plan (SEEMP) describes the plan for implementing mitigation to reduce potential adverse effects and the approach to monitoring and reporting the effectiveness of mitigation on community-level infrastructure and services during the construction phase of the Project. Mitigation effectiveness in avoiding or reducing potential adverse effects is determined in consideration of those effects identified in the SEEMP. As outlined in SEEMP Section 7.0, Coastal GasLink will submit SEEMP status reports directly to the Environmental Assessment Office (EAO), the Ministry of Municipal Affairs and Housing (MMAH) and all SEEMP contacts during the construction phase of the Project. SEEMP status reports will also be publicly available semi-annually on the Project's website with a final report submitted two years after construction is completed.

This is the second SEEMP status report. It includes information on the status of SEEMP implementation during construction from July to November 2019. For ease of reference, Table 1-1 provides a summary of SEEMP status reports and associated reporting periods.

Table 1-1: SEEMP Status Reports and Reporting Periods

SEEMP Status Report #	Reporting Period	Date of Issuance
1	November 2018 to June 2019	July 2019
2	July to November 2019	December 2019

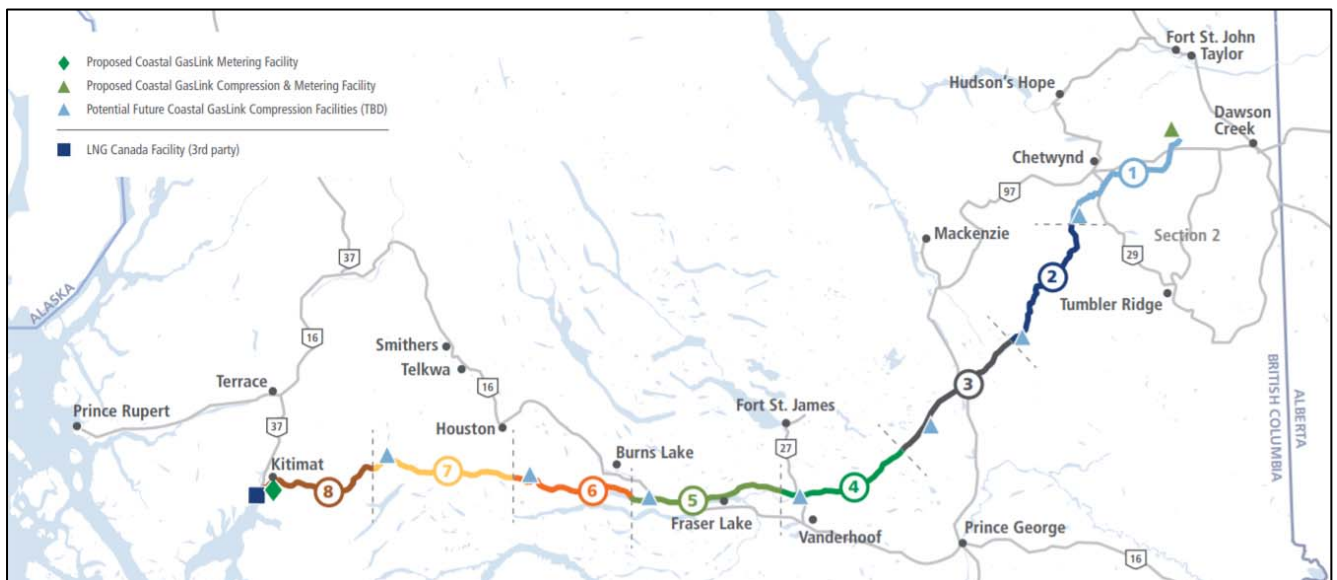
2.0 PROJECT OVERVIEW

Coastal GasLink is a 670-km pipeline designed to transport natural gas from the Montney gas-producing region near Dawson Creek, B.C., to the LNG Canada facility in Kitimat, B.C. The pipeline will have an initial capacity of approximately 2.1 billion cubic feet per day (Bcf/day) with the potential for expansion of up to approximately 5 Bcf/day.

On October 2, 2018, TransCanada Corporation announced that it will proceed with construction of Coastal GasLink after a decision to sanction the LNG Canada natural gas liquefaction facility in Kitimat, B.C. was announced by the joint venture participants of LNG Canada. Construction activities began on Coastal GasLink in December 2018 with a planned in-service date in 2023.

The project is divided into eight pipeline sections and two facilities (Wilde Lake Compressor Station and the Kitimat Meter Station). Construction is designed to enable crews to work in both summer and winter months. Construction activities for Coastal GasLink commenced in December 2018. Coastal GasLink has awarded contracts to four prime contractors; Surerus Murphy Joint Venture (SMJV), SA Energy Group (SA Energy), Macro Spiecapag Joint Venture (MSJV) and Pacific Atlantic Pipeline Construction Inc. (PAPC) to construct the proposed Coastal GasLink Pipeline Project. Figure 2-1 shows the route and construction sections.

Figure 2-1: Route Map



2.1 PROJECT CONSTRUCTION UPDATE

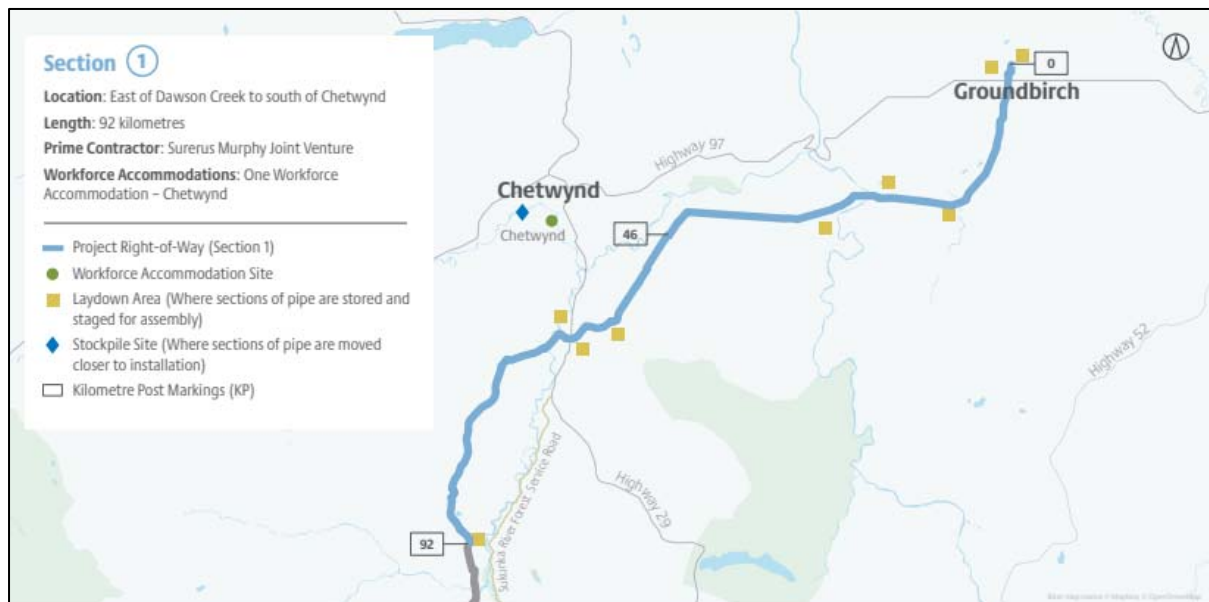
Construction is currently focused on right-of-way clearing in Sections 1, 2, 3 and 8 with 14% of the total route cleared as of November 2019. Rain and snow are posing unfavourable conditions leading to clearing delays in some areas. Pipe delivery is scheduled for December 2019 for stockpile sites in Sections 1, 3 and 8.

2.1.1 Section 1: West of Dawson Creek to South of Chetwynd Prime Contractor: SMJV

Approximately 41% of the 92 km route is cleared in Section 1. For several days during the month of October, clearing activity was halted due to saturated ground conditions.

Assessment and planning for Chetwynd workforce accommodations are currently under review and further details will be available in the coming months.

Figure 3-1: Section 1 Map



2.1.2 Section 2: South of Chetwynd to East of McLeod Lake
Prime Contractor: SMJV

Since the last report, site preparation activities such as clearing were completed at the Sukunka workforce accommodation site. The Sukunka Lodge was opened on October 30, 2019, and is currently housing approximately 150 workers responsible for clearing and brushing activities along the right-of-way.

Approximately 8% of the 48 km route is cleared in Section 2. Bridge and road maintenance work continues in this area.

Headwall workforce accommodation site preparation will commence once Archaeological assessments have been completed and approved.

Figure 3-2: Section 2 Map

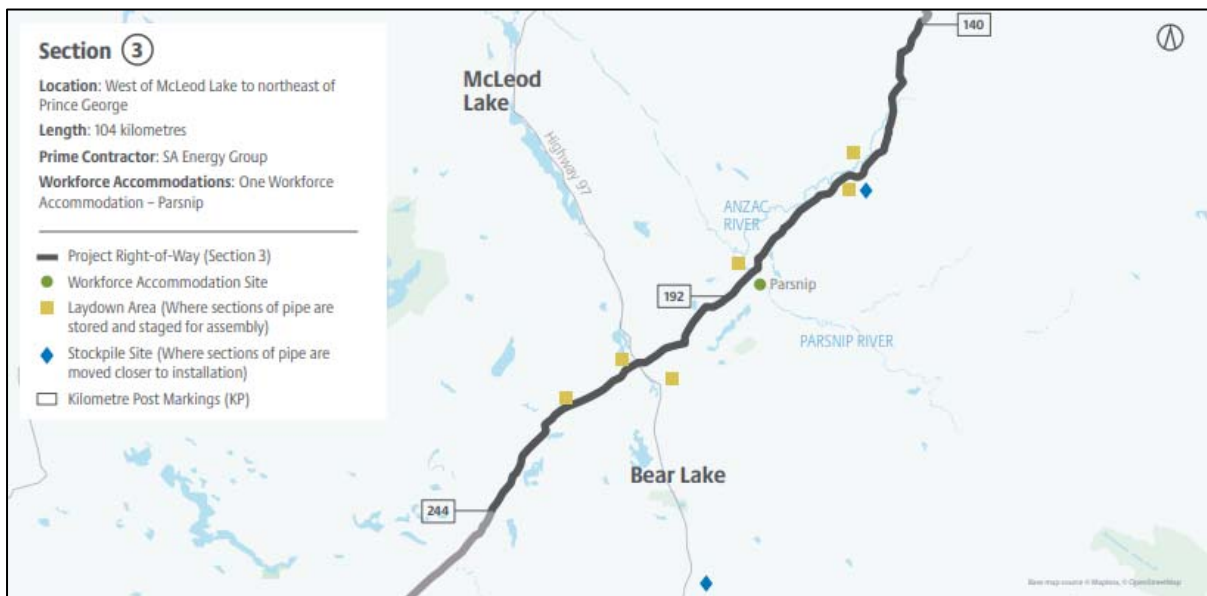


2.1.3 Section 3: East of McLeod Lake to North of Prince George
Prime Contractor: SA Energy

Since June 2019, bridge and road maintenance work has continued, including brushing along the road to decrease the height of vegetation to maintain a safe line of sight consistent with permits and agreements. Due to rainy and wet conditions, clearing progress has slowed to avoid mixing topsoil and subsoil in compliance with environmental plans and regulatory permits. Approximately 16% of the 104 km route is cleared in Section 3.

The Parsnip Lodge was opened for occupancy to provide lodging for the workers conducting the clearing and brushing activities on the right-of-way. As of November 2019, there are approximately 300 workers staying at the Parsnip Lodge.

Figure 3-3: Section 3 Map



2.1.4 Section 4: North of Prince George to Northwest of Vanderhoof
Prime Contractor: SA Energy

The Agricultural Land Commission rejected Coastal GasLink’s initial application for the Vanderhoof workforce accommodation site. Coastal GasLink has applied for reconsideration of the original application. Depending on the outcome of the reconsideration, Coastal GasLink will investigate alternative sites. In the meantime, there are approximately 70 workers currently staying at the 5B workforce accommodation site in Section 4.

Clearing activities began in November 2019 and will continue into 2020.

Figure 3-4: Section 4 Map



2.1.5 Section 5: Northwest of Vanderhoof to South of Burns Lake
Prime Contractor: MSJV

Phase 1 of Little Rock Lake Lodge (formerly known as Lejac) was completed and put into operation in early November 2019, with approximately 52 residents as of November 13, 2019.

Right-of-way clearing commenced on multiple work fronts in early November 2019 and is expected to be complete by March 2020. Pipeline construction on the right-of-way is planned to commence in the winter of 2020/2021.

Figure 3-5: Section 5 Map



2.1.6 Section 6: South of Burns Lake to South of Houston
Prime Contractor: PAPC

In November 2019, clearing and site development for 7 Mile Road Lodge and Laydown site 28 were completed. The 7 Mile Road Lodge will be used to support construction activities in 2020. Laydown 28 site will be developed as a material storage, equipment storage and staging area to support pipeline construction.

Right-of-way clearing is scheduled to commence in January 2020, with mainline construction scheduled to begin in September 2020.

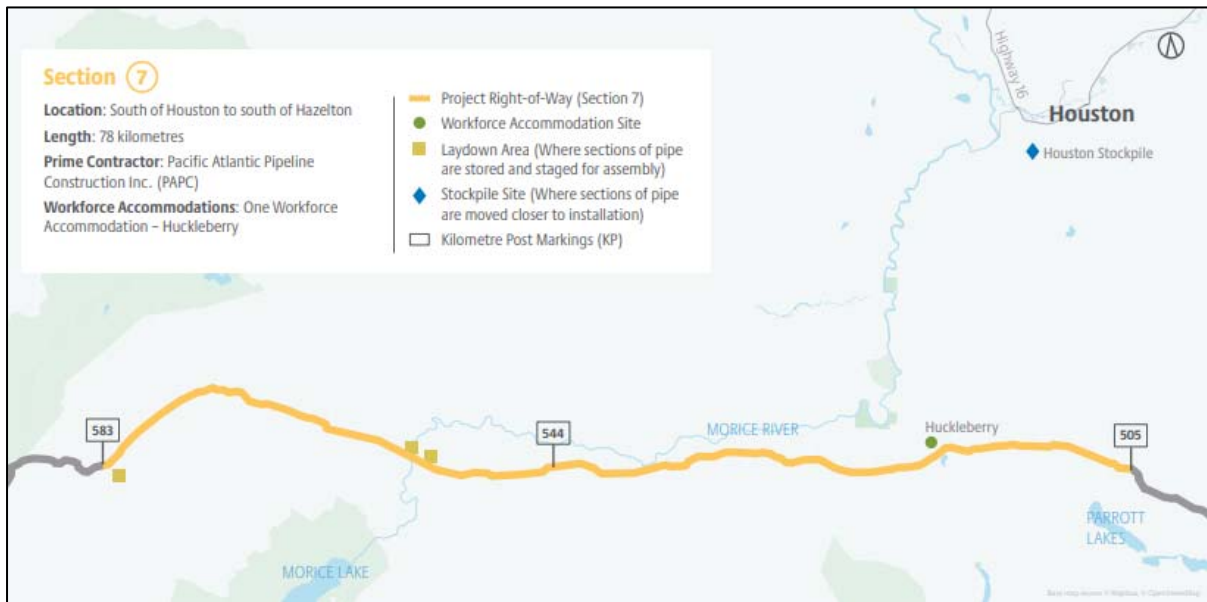
Figure 3-6: Section 6 Map



2.1.7 Section 7: South of Houston to North of Morice Lake
Prime Contractor: PAPC

Planning and site preparation for the Huckleberry Lodge is currently underway. In December 2019, maintenance on access roads will commence to support the start of right-of-way clearing in January 2020.

Figure 3-7: Section 7 Map



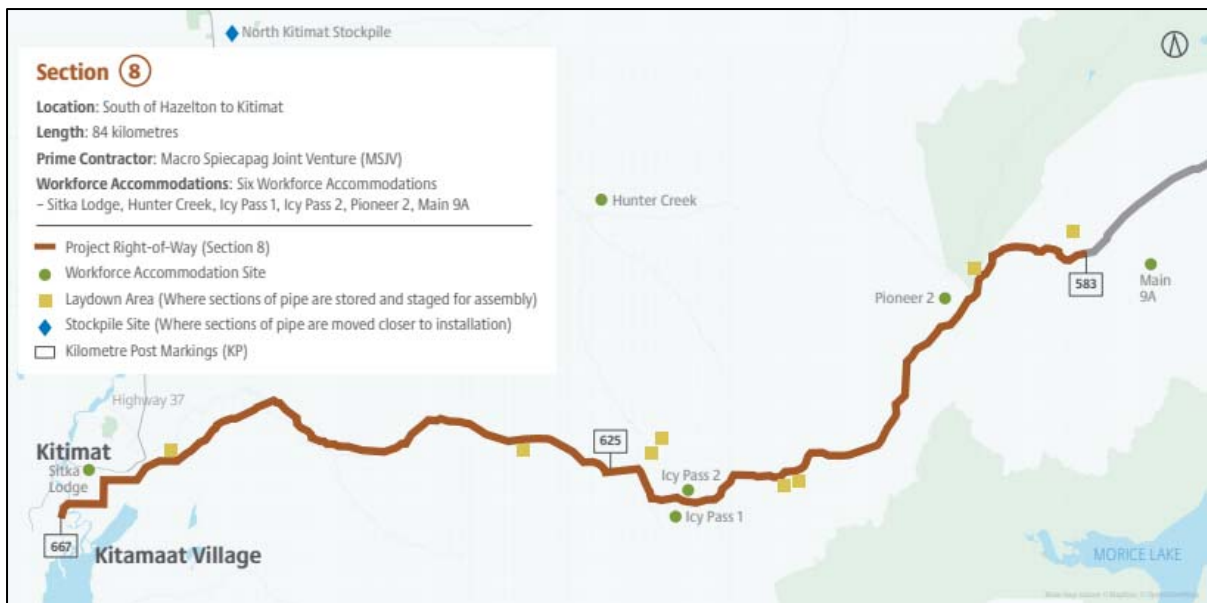
2.1.8 Section 8: North of Morice Lake to Kitimat
Prime Contractor: MSJV

Clearing, road maintenance and grading works continue throughout Section 8. On the western half of Section 8 (Section 8 West), extending from Kitimat and approximately 53 km east, 27 km of clearing and 13 km of grading have been completed as of November 2019. Preparation has also been completed at the North Kitimat Stockpile site, located along the North Kitimat Road approximately 27 km north of Kitimat, which will be ready to receive pipe deliveries as early as December 2019.

Foundations have been completed for three cable crane towers to support pipe installation on the steep slopes West of the Kitimat River Valley. Cable crane construction crews have now demobilized for the winter season.

On the eastern half of Section 8 (Section 8 East), starting approximately 60 km west of Houston and extending 31 km west, 9 km of clearing has been completed as of November 2019, and grading activities have commenced. Preparation has begun on the Houston Stockpile site, located approximately 4 km southwest of Houston, in preparation for pipe deliveries arriving in late 2019 and early 2020.

Figure 3-8: Section 8 Map



3.0 ENGAGEMENT

Coastal GasLink continues to engage regularly, as described in SEEMP Section 3.2, with those affected by the Project. SEEMP engagement activities are informed by the frameworks presented in the Public Consultation Plan and the Aboriginal Consultation Plan. These plans were designed to communicate information and timelines for the Project and address how Coastal GasLink proposes to work with affected Indigenous groups and stakeholders. EAC Condition #28 also references Indigenous group engagement activities such as providing construction schedules. Together the SEEMP, Public Consultation Plan, Aboriginal Consultation Plan and EAC Condition #28 provide the framework for information sharing and two-way engagement for the Project.

3.1 PROJECT ENGAGEMENT

Within the second half of 2019, Coastal GasLink presented to local governments in publicly accessible Council / Regional District Board meetings on four occasions, bringing the total to 17 public local government presentations since the final investment decision (FID). There were also several public meetings attended as part of Temporary Use Permit Applications within the Regional District of Bulkley Nechako. Coastal GasLink continued to engage with northern B.C. local governments at the Union of B.C. Municipalities Conference held in September.

Since the last report, Coastal GasLink has held three Indigenous Leaders meetings in Vancouver for the elected leaders of Indigenous Groups to meet with Coastal GasLink senior leadership. Coastal GasLink has also hosted six Indigenous community meetings to deliver project updates to community members and attended nine liaison committee meetings with Indigenous community assigned representatives.

In response to community feedback, a new communication initiative has been undertaken to share timely construction information each month. These construction updates include information on current construction activities as well as what is expected in the upcoming month. These updates are shared with Indigenous Groups, regulators and local governments. The updates are also publicly available on Coastal GasLink's website.

3.2 SEEMP IMPLEMENTATION ENGAGEMENT

Coastal GasLink continues to refine the SEEMP contact list with identified representatives. During this reporting period, Coastal GasLink requested meetings to discuss SEEMP implementation with all 57 SEEMP contacts and conducted meetings with 29 of those contacts. The meetings included 9 Indigenous groups, 9 local governments and 11 provincial agencies. Coastal GasLink held its first Joint

Provincial Agency SEEMP Engagement meeting on November 7, 2019, with 11 agencies represented from across the B.C. Government. The information presented in this status report considers feedback and discussions with SEEMP contacts.

In addition, Coastal GasLink has been in contact with potentially impacted organizations to ensure stakeholders receive project information and updates as construction progresses, including:

- chambers of commerce
- local fire and/or emergency management departments
- local RCMP detachments
- victim service agencies
- WorkBC
- local airport authorities

Based on the monitoring frequency presented in the SEEMP Appendix D (Effectiveness Monitoring Table), Coastal GasLink is continuing to engage with local government, provincial agencies and Indigenous groups affected by project construction on a semi-annual basis during construction to collect information for reporting. In addition, Coastal GasLink will continue to be proactive and responsive throughout construction for engagement opportunities with affected Indigenous groups and stakeholders.

3.2.1 SEEMP Contacts

SEEMP implementation engagement contacts include 21 Indigenous groups, 18 local governments and 18 provincial agencies. The 57 SEEMP contacts are listed in Table 3-1.

Table 3-1: SEEMP Contacts

Provincial Agencies	Indigenous Groups	Local Government
B.C. Emergency Health Services	Blueberry River First Nations	City of Terrace
B.C. Environmental Assessment Office	Dark House	District of Kitimat
B.C. Oil and Gas Commission	Doig River First Nation	Regional District of Kitimat-Stikine
Emergency Management B.C.	Haisla Nation	Regional District of Bulkley-Nechako
Northern Health	Halfway River First Nation	District of Vanderhoof
Ministry of Indigenous Relations and Reconciliation	Kitselas First Nation	District of Fort St. James
Ministry of Education – Capital Management Branch	Lheidli-T’enneh First Nation	Village of Fraser Lake
Ministry of Advanced Education, Skills and Training	McLeod Lake Indian Band	Village of Burns Lake
Ministry of Municipal Affairs and Housing – Planning and Land Use Management (PLUM) Branch	Nadleh Whut’en First Nation	Town of Smithers
Ministry of Municipal Affairs and Housing – Office of Housing and Construction Standards	Nak’azdli Band	District of Houston
Ministry of Health – Health Protection Integration and Engagement	Nee-Tahi-Buhn Band	Fraser Fort George Regional District
Ministry of Forests, Land, Natural Resource Operations & Rural Development	Office of the Wet’suwet’en Hereditary Chiefs	District of Mackenzie
Ministry of Public Safety and Solicitor General – Policing & Security Branch	Saik’uz First Nation	District of Chetwynd
Ministry of Public Safety and Solicitor General – Community Safety and Crime Prevention Branch	Saulteau First Nations	City of Prince George
Ministry of Social Development and Poverty Reduction	Skin Tye Nation (Skin Tye First Nation)	District of Tumbler Ridge
Ministry of Transportation and Infrastructure	Stellat’en First Nation	City of Dawson Creek
Ministry of Children and Family Development	Ts’il Kaz Koh First Nation (Burns Lake Band)	City of Fort St. John
Ministry of Jobs, Tourism and Technology	West Moberly First Nations	Peace River Regional District
	Wet’suwet’en First Nation	
	Witset First Nation	
	Yekooche First Nation	

4.0 POTENTIAL ADVERSE EFFECTS

The potential adverse effects of the Project were assessed as part of the Application. The baseline information was presented in the Application's Social Technical Report (Appendix 2M) and the Economic Technical Report (Appendix 2N).

So far, only preliminary construction activities have been carried out. As a result, many communities have not experienced any noticeable effects of the Project.

Below, each of the potential adverse effects identified for the project is discussed along with the activities being carried out by Coastal GasLink to mitigate the effect.

4.1 ECONOMY: CONTRACTS AND PROCUREMENT EXPENDITURES

In the Application, the following potential adverse effect was identified relating to contracts and procurement expenditures:

- limited participation in contract opportunities

4.1.1 Activities

- From September to November 2019, Coastal GasLink held 12 open house/job fair events in communities along the right-of-way. Coastal GasLink was joined by all four prime contractors, sub-contractors, and union representatives to provide project construction execution information, and answer questions on topics such as safety, environmental performance, and Indigenous relations. Job seekers were encouraged to bring their résumés for the opportunity to connect directly with prime contractors about employment opportunities. Over 1,500 northern B.C. residents attended the events held in:
 - Dawson Creek
 - Chetwynd
 - Prince George
 - Vanderhoof
 - Fraser Lake
 - Burns Lake
 - Houston
 - Terrace
 - Kitimat
 - Clearwater
 - Mackenzie

- Bear Lake

Note: Kitimat and Terrace events were held jointly with LNG Canada and other partners.

- Coastal GasLink is continuing to work closely with Chambers of Commerce and local economic development stakeholders to build its local vendor databases and information. Prime contractors on Coastal GasLink are obligated to make opportunities available wherever possible to local and Indigenous individuals and businesses.
- Coastal GasLink's prime contractors have been building relationships with local organizations such as Chambers of Commerce and WorkBC offices.
- Coastal GasLink has sent out project update information including construction updates to 14 Chambers of Commerce across northern B.C. since July 2019.
- Coastal GasLink's prime contractors have been establishing their own presence in and near communities as they execute their construction activities. This has allowed for increased visibility and transparency in their efforts to hire local first.
 - As the first prime contractor to mobilize, MSJV has an office presence in Kitimat at the future Coastal GasLink meter station property, as well as a temporary office in Houston to coordinate their Section 8 East activities.
 - An office has been established at the Little Rock Lake Lodge for MSJV's Section 5 activities.
 - SMJV was the second contractor to mobilize, with temporary office trailers now located in Chetwynd.
 - SA Energy has been largely focused on Section 3 work thus far with office space located at the Parsnip Lodge.
 - PAPC has acquired community office locations in both Houston and Burns Lake. In August 2019, PAPC hosted community celebration BBQ's in both locations to mark the opening of their community offices.
- Grand opening events for select workforce accommodations have occurred or have been scheduled from Indigenous businesses and their Joint Venture partners, with invitations sent to local governments, protective services, and provincial representatives. An event was held at the Sukunka Lodge on October 30, 2019.
- All four prime contractors have requirements to submit monthly Indigenous, diverse and local spend reports to Coastal GasLink.

Table 4-1 shows the available data on Indigenous and local contract award values to October 2019. In many cases the Indigenous category below includes contract awards made to local Indigenous and local non-Indigenous businesses that are working together on Coastal GasLink.

Table 4-1: Indigenous and Local Contract Award Values to October 2019

Labour Group	Contract Award Value	Percentage of Total Contract Award Value ¹
Local (B.C.)	\$870 million	21%
Indigenous ^{2 3}	\$825 million	20%
Notes: 1 The percentage is based on Coastal GasLink's awarded pipeline construction contracts of \$4.18 billion. 2 The Indigenous category is a subset of the Local (B.C.) category; therefore, it is important to not double-count award values between these two categories. 3 In many cases the Indigenous category includes contract awards made to local Indigenous and local non-Indigenous businesses that are working together on Coastal GasLink.		

4.1.2 Mitigation Effectiveness in this Reporting Period

Feedback from the Open House/Job Fair events was overall very positive with many community members stating they left with a better understand of the Project and construction impacts. Many attendees expressed appreciation for the opportunity to meet with Coastal GasLink team members as well as with the contractors. Coastal GasLink has also received follow-up information that many attendees received job offers shortly after attending the event.

From January to October, the Project and its prime contractors awarded \$250 million dollars in contracts to local businesses across the Project. This brings the total awards to local businesses since FID to approximately \$870 million (see Table 4-1).

Coastal GasLink anticipates additional contract and employment opportunities for Indigenous and local B.C. communities during pipeline construction and will continuously monitor and report on this semi-annually through SEEMP status reports.

4.2 ECONOMY: COMMUNITY ECONOMIC RESILIENCE

In the Application, the following potential adverse effect was identified relating to community economic resilience:

- alteration of existing community economic patterns

4.2.1 Activities

- Coastal GasLink is ensuring ongoing communication with local economic development organizations, specifically around the project schedule and communicating the short-term nature of project construction activities to manage expectations over the duration of construction.
- Coastal GasLink donated to A Rocha Canada for expansion to the second phase of their new Watershed Stewardship Facility. This project supports the conservation of the Upper Bulkley River and restoration of the salmonid

community in a local initiative that hopes to also build capacity through tourism. This project is contributing positively to the environment through increasing the population of Coho in the watershed and maintaining genetic integrity of the salmon. The Watershed Stewardship Centre will be a hub for this kind of learning and a draw for tourists and other visitors such as educational groups.

- Coastal GasLink has communication tools for providing project information to local governments and key stakeholders. Construction updates have been provided by email on a bi-monthly basis throughout 2019. Beginning in November, local governments were notified that these updates will now be provided monthly to ensure more timely and detailed information about the Project. These section-by-section construction updates provide information on progress and identify upcoming construction activities and are made available to the public on the Coastal GasLink website. The project also shares information through a project Facebook page, which is used as an engagement tool to answer questions and provide information. The Coastal GasLink Connector newsletter is another tool to share general information and special interest stories about the Project. Editions were sent to local governments in August and November within this reporting period.

4.2.2 Mitigation Effectiveness in this Reporting Period

There have been no direct adverse effects identified in this reporting period. However, concerns have been raised regarding the potential of the local workforce leaving current positions within communities for new positions available on the Project. Some communities are also concerned with whether the current local amenities and services will suffice due to increasing demand with the influx of workers in the area.

Coastal GasLink has met with several local governments to discuss how to best accommodate Project workers in the community. For example, several businesses are shifting their hours of operation to account for workers days off. Coastal GasLink will continue to work with local community and economic development organizations to monitor community economic effects and to ensure economic benefits to local communities as construction progresses.

4.3 EMPLOYMENT AND LABOUR FORCE: EMPLOYMENT

In the Application, the following potential adverse effect was identified in relation to employment:

- skilled labour shortage

4.3.1 Activities

- Coastal GasLink is engaging with economic development organizations and post-secondary institutions along the route to communicate project schedules as well as to better understand existing employment conditions in local communities and the broader region.
- Skilled trades bursaries are made available to Indigenous and local individuals directly through Northern Lights College, College of New Caledonia, and Coast Mountain College.
- From September to November 2019, Coastal GasLink held nine Open House/Job Fair events in communities along the right-of-way. Reference Section 4.1.1 for more information on these events.
- In response to recent forest industry challenges, Coastal GasLink attended job fairs organized by external partners in Fort St. John, Fort St. James, and Dawson Creek to promote opportunities on the Project.
- In response to a request from the Regional District of Fraser-Fort George, Coastal GasLink held two additional economic summit/job fair events in Mackenzie and Bear Lake.
- In response to forest industry challenges, Coastal GasLink held a job fair in Clearwater. This job fair was in partnership with WorkBC and approximately 85 people attended.
- The prime contractors have set up a local presence in many of the communities along the project route in order to continue to fulfill the commitment to hire locally first. Some examples of this can be found in Section 4.1.1.
- All four prime contractors have requirements to submit monthly Indigenous, diverse and local employment reports to Coastal GasLink. See Appendix B for the latest information on employment numbers.

4.3.2 Mitigation Effectiveness in this Reporting Period

Coastal GasLink has heard from local governments about economic challenges resulting from changes in the forestry sector. As a result, the Project is providing employment and contracting information at community events upon request. This included attending July job fair events in Fort St. John and Fort St. James in response to those communities' requests. The Regional District of Fraser Fort George requested additional outreach to impacted workers and businesses in the District of

Mackenzie and the unincorporated community of Bear Lake. Coastal GasLink responded by organizing targeted events in those communities in August. Coastal GasLink also participated in job fair events in Fort St. John and Dawson Creek in September, and Clearwater in November.

Through discussions with local governments and Indigenous groups along the project route, Coastal GasLink's efforts to work with local organizations and municipalities to ensure skilled labour is deemed effective at this time. The main priority of the Project is to hire locally first.

4.4 EMPLOYMENT AND LABOUR FORCE: TRAINING OPPORTUNITIES

In the Application, a potential adverse effect was identified in relation to training opportunities:

- lack of time to train local workers for skilled positions

4.4.1 Activities

- Coastal GasLink has existing, long-term partnerships with northern B.C. post-secondary institutions that aim to support the northern B.C. labour force and support transferable skills. These partnerships include a mix of equipment upgrades, sponsored program seats, and skilled trades bursaries. Partnerships include; College of New Caledonia (since 2014), Coast Mountain College (since 2014) and Northern Lights College (since 2015). In total, over \$850,000 has been donated as part of these partnership agreements.
- Coastal GasLink, in partnership with TC Energy, has supported the Outland Camps to deliver the Outland Youth Employment Program (OYEP) to First Nations youth (aged 16 to 19) from Treaty 8, Carrier Sekani and Wet'suwet'en communities. The program took place over six weeks in the summer of 2019 near Prince George, B.C.

OYEP is a six-week work, training and education experience in a supportive space that replicates various work environments. The program prepares youth for a successful transition to employment and post-secondary education and includes a combination of the following:

- core in-camp training
- personal development planning
- natural resource-based curriculum
- job-shadow experiences
- employer-employee connections
- Coastal GasLink has a three-year partnership with the University of Northern British Columbia (UNBC) to deliver 10 annual scholarships. The Coastal

GasLink Indigenous Community Development Award is aimed to support the education needs of the Indigenous communities along the Coastal GasLink project.

- Coastal GasLink has recently supported the Simon Fraser University Community Development (SFU CED) Program. This program has provided capacity building, planning methodologies, and leadership for generations of innovative community practitioners. SFU CED believes in the transformative power of communities and provides participants with the tools and knowledge necessary to make progressive social, environmental, and economic change in the world around them. Coastal GasLink supported three Doig River First Nation members to participate in the SFU CED program. This program ladders into the Cape Breton MBA degree and Council for the Advancement of Native Development Officers (CANDO) professional Aboriginal Economic Developer Certification programs. The program is 8 months long, mostly online, 2 to 4 hours per week with two intensive sessions in Vancouver.
- Coastal GasLink has an additional partnership with Northern Lights College to administer an Indigenous Student Award program that will help to address some of the barriers identified by communities. The scholarship will have continuous intake and be available for students wishing to further their education and training goals, whether that be college or university transfer programs, trades, or continuing education and upgrading. The intent of the program is to help remove some of the barriers to success.
- Coastal GasLink partnered with the Prince George Nechako Aboriginal Employment & Training Association (PGNAETA) to continue delivering training programs for the communities from Prince George to Witset. Initial partnership agreements with PGNAETA date back to 2014 and will continue as Coastal GasLink has recently renewed its partnerships with this organization. The communities have identified needs in furthering education, training and employment requirements. Some of the initiatives that Coastal GasLink supported through this partnership include:
 - Facility Upgrade at Nadleh Whut'en First Nation
 - Carpentry Level 3
 - Office Tech Training
 - Digital Skills/Foundations
 - Trades Tech Upgrading
 - Trades Discovery
 - Enhanced Security
 - Driver Training
 - Women in Trades

- A nursing student from Kitimat, B.C. was recently granted a \$10,000 scholarship from TC Energy. The recipient is particularly interested in practice-driven, patient-centered coursework at UNBC that focuses on supporting the health needs of local First Nation communities. Education and health care are two essential components of building strong, vibrant communities and TC Energy and Coastal GasLink are committed to investing in the long-term growth, sustainability and wellness of communities in northern B.C.
- Coastal GasLink continues to engage with prime contractors, unions, Aboriginal Skills and Employment Training (ASET) groups, training institutions, colleges and other potential partners to provide education and training opportunities in accordance with the priorities of the communities and the needs of the Project.

4.4.2 Mitigation Effectiveness in this Reporting Period

Based on feedback from SEEMP contacts during the reporting period, implemented activities have been deemed effective. Coastal GasLink has communicated its emphasis on assuring the local workforce is provided opportunities to obtain all necessary training/education required for positions on the Project.

Coastal GasLink continues to have discussions with local communities in order to bridge any education/training gaps impacting workers from acquiring positions on the project. Most recently, Coastal GasLink met with Dawson Creek about the possibility of partnering on a Training-2-Employment Camps initiative. Labour unions are also planning for specific training needs and will contribute to the labour market and training for a skilled B.C. workforce. Coastal GasLink looks forward to continuing these conversations in 2020 as construction progresses.

4.5 COMMUNITY UTILITIES AND SERVICES: EMERGENCY SERVICES

In the Application, the following potential adverse effect was identified in relation to emergency services:

- increased demand on local emergency services

4.5.1 Activities

- Coastal GasLink continues to have meetings with local governments to provide project information and engage on emergency services. Regional Districts and municipalities are accountable for the majority of emergency services provided in their area. Attendance at these meetings include local elected officials, community services, and fire and/or emergency management representatives.
- Coastal GasLink organized the first Joint Provincial Agency SEEMP Engagement meeting on November 7, 2019. Representatives from Northern Health, B.C. Emergency Services, and Emergency Management B.C. were in attendance.

- Since September 2019, Coastal GasLink has established bi-weekly formal meetings with Northern Health to discuss the permitting process, Northern Health requirements and expectations and, camp supplier issues, if any. Northern Health is the central point of contact for Coastal GasLink for coordination with local health services.
- Coastal GasLink implemented the Extraordinary Legacy Initiative (ELI) program, an internal program aimed to empower all project personnel to create an extraordinary legacy of safety and respect for all people, communities and the environment. To date, approximately 1,000 employees and contractors have attended leadership workshop sessions as part of the program. A training video has also been incorporated into prime contractor employee orientations.
- Prime contractors are reaching out to local airport authorities to discuss various topics including mass evacuations, emergency response, capacity and project timelines.
- Coastal GasLink provides on-site medic vehicles which transport project injuries instead of accessing local ambulance services.
- Coastal GasLink includes RCMP, Fire, and emergency response officials in its monthly construction update distribution. Since June 2019, Coastal GasLink has sent 26 notifications including project update information to Emergency Response providers including Local Fire Departments, Regional Emergency Coordinators and Search & Rescue organizations.
- In September 2019, Coastal GasLink hosted a right-of-way tour for local emergency responders in the Terrace/Kitimat area. Fire Chiefs from the City of Terrace, District of Kitimat, and Thornhill were in attendance. The tour served as an opportunity for local first responders and emergency service organizations to see and experience construction activity and how the Project is keeping workers and communities safe. The tour allowed for Coastal GasLink's team to learn from first responders' expertise and ensure emergency response plans reflect local needs and capacity. First responders commented on the Project's advanced onsite medical support and transportation resources, along with wildfire and natural disaster response programs.
- Coastal GasLink's ability to provide aerial visibility via helicopter along the right-of-way can be used to support local first responders in the event of an emergency.
- Coastal GasLink has completed notifications and information sharing with local Search & Rescue organizations across the project corridor. Among feedback received was further insight on the Provincial 'Adventure Smart' program. Collaboration with this organization is ongoing. Because of Coastal GasLink's relationship with Search & Rescue organizations, an offer of support was made to search efforts in the Mackenzie area in summer 2019.
- Coastal GasLink recently donated to the Terrace Search & Rescue Building and Emergency Operations Center. The new operations center will be able to house all

of the Search & Rescue team's equipment in one location, as it's currently located in various buildings. The training room will be available for the Terrace Search & Rescue group, but they also plan to build a meeting/training room available for use by other non-profits and community organizations. Terrace Search & Rescue is one of the most heavily relied upon rescue teams in northern B.C. and this new facility will allow for better response times for emergency callouts.

4.5.2 Mitigation Effectiveness in this Reporting Period

During the reporting period, the concern was raised around the potential for Emergency Response professionals to leave their current local positions for emergency service positions on the Project. Coastal GasLink will continue to connect with local emergency management facilities about potential local paramedical capacity challenges and to continue to inform about construction activity timelines and peak workforce durations. Although the general emphasis of the Project is to hire local first, if additional resources are required, Coastal GasLink will work with contracted service providers to minimize local service gaps.

Coastal GasLink is continuing to work with provincial agencies and local service providers to monitor this concern and brainstorm solutions and opportunities.

4.6 COMMUNITY UTILITIES AND SERVICES: HEALTH CARE SERVICES

In the Application, the following potential adverse effect was identified in relation to health care:

- increased demand on health care services

4.6.1 Activities

- The Coastal GasLink Health and Safety team has implemented a new program enhancement during this reporting period. The Steep Slope Best Practice Guidelines have now been released and fully implemented. All safety guidelines and training opportunities are adopted by prime contractors and subcontractors on the Project and is in addition to all contractor-specific health and safety guidelines.
- Contractors continue to conduct daily health and safety meetings on site with workers before each workday begins.
- All site-specific health and safety plans from each prime contractor have been submitted to Northern Health for all workforce accommodation locations.
- Coastal GasLink has contracted International SOS (ISOS) to provide medical services across the Project. ISOS has first aid clinics established at all operational workforce accommodations with the exception of Sitka Lodge where Civeo manages the medical facilities.

- There are roving support vehicles provided by ISOS on active construction areas along the route. The roving medi-trucks mobilize where they are required. Currently there are approximately 40 units on the Project (20 units on the east and 20 units on the west). These numbers will fluctuate depending on the current work scope and will ensure WorkSafe BC requirements are always met.
- Safety Alerts are sent out to all employees and contract groups. These alerts provide proactive awareness and lessons learned information, which will help mitigate incidents from occurring in the future. Since July 2019, there have been 21 safety alerts issued based on the following occurred incidents and/or potential trends:
 - hand protection
 - bear awareness
 - fall protection
 - motor vehicle operation
 - kitchen safety
 - helicopter safety
 - vehicle towing operations
 - heavy equipment operation
- As mentioned in Section 4.5.1, approximately 1,000 employees and contractors have attended leadership workshop sessions as part of the Coastal GasLink ELI program.
- As part of the ELI program, Coastal GasLink has also formed several leadership sub-committees with regards to health and safety. These include:
 - Steep Slope, Working Committee – Completed
 - Health and Safety Leadership Sub Committee – Ongoing
 - Workforce Accommodation Working Sub Committee – Ongoing
 - Clearing Working Sub Committee – Ongoing
 - Safe Driving Sub Committee – Ongoing
 - Compliance Sub Committee – Ongoing
- As mentioned in Section 4.5.1, the Joint Provincial Agency SEEMP Engagement meeting included representatives from Northern Health, B.C. Emergency Services and Emergency Management B.C.
- Coastal GasLink continues to have formal meetings with Northern Health to provide project information and engage on health care services. Coastal GasLink also provided the camp medical plan to Northern Health since the last report.

4.6.2 Project Injuries

Since July 2019, there have been 12 minor personal injuries reported requiring local health care, as shown in Table 4-2.

Table 4-2: Incidents Requiring Local Health Care

Date	Incident Description	Transfer Required?	Treatment Location	Treatment Duration
July 2019	Worker slipped and hit their face on a branch.	Yes	Kitimat Hospital	5 Stitches ~ .5 hour
July 2019	Worker received minor laceration on their knuckles of left hand.	Yes	Prince George Local Hospital	3 stitches required. ~ .5 hours
July 2019	Worker slipped on a wet log and their thigh contacted a branch (3 to 5-inch laceration).	Yes	Vanderhoof ER	Stitches and preventative antibiotics ~ 1 hour
July 2019	Worker received minor laceration to forehead.	Yes	Kitimat Hospital	5 Steri-Strips ~ .5 hour
July 2019	Worker sustained rolled ankle injury.	Yes	Terrace Local Hospital	Assessment ~ .5 hour
July 2019	Worker sustained sprained ankle.	Yes	Burns Lake Hospital	Assessment ~ .5 hour
July 2019	Two workers were in a motor vehicle incident. Sent to hospital for assessment.	Yes	Prince George Local Hospital	Assessment ~ 1 hour
August 2019	Worker received first degree burns while working in workforce accommodation kitchen.	Yes	Salveo Medical Clinic Prince George	Assessment and Prescription ~ .5 hour
September 2019	Worker mis-stepped off bottom rung on ladder and had foot assessed. No broken bones.	Yes	Prince George Local Hospital	~ 1 hour for X-ray and prescription for ibuprofen
September 2019	Worker dislocated shoulder carrying a box.	Yes	Kitimat Hospital	~ 1 hour
September 2019	Worker strained back muscle by lifting culvert.	Yes	Medical Clinic in Prince George	Assessment ~ 1 hour
October 2019	Worker tripped on rock and injured wrist. No broken bones.	Yes	Kitimat Hospital	X-ray ~ 1 hour

4.6.3 Mitigation Effectiveness in this Reporting Period

No issues have been identified with regards to the effectiveness of the mitigation for potential impacts to emergency and non-emergency healthcare services other than the potential for local paramedical and health administration personnel to leave their current role for a position with the Project. Coastal GasLink will continue to connect with local emergency management facilities and Northern Health about potential local paramedical and administration capacity challenges and to continue to inform about construction activity timelines and peak workforce durations. Although the general emphasis of the Project is to hire local first, if additional resources are required, Coastal GasLink will work with contracted service providers to minimize local service gaps.

So far in 2019, the total number of hours Coastal GasLink workers have spent in local healthcare facilities is approximately 16.5 hours across the entire route. As construction continues to advance and more crews mobilize, the ability to manage these incidents on-site will also increase.

There has been a concern raised in the Kitimat area that workers are visiting local health facilities for minor cases including prescription requests. The availability of medical services within the Project has been communicated to all project staff and they are encouraged to use Project services as the primary medical provider, whether occupationally related or otherwise.

4.7 COMMUNITY UTILITIES AND SERVICES: SOCIAL SERVICES

In the Application, the following potential adverse effect was identified in relation to social services:

- increased demand on community social services

4.7.1 Activities

- Within the workforce accommodations, Coastal GasLink provides workers access to social services and counselling support through on-site medical staff, help-lines and online services.
- Coastal GasLink has contacted six victim service agencies in the project area including Fort St. John, Dawson Creek-Chetwynd, Prince George-Burns Lake, Vanderhoof-Fort St James-Fraser Lake, and Smithers-Houston and Kitimat to discuss local capacity and social service topics. This includes providing a project overview, construction update and Coastal GasLink contact information for feedback.
- Coastal GasLink has a code of conduct that is enforced by workforce accommodation management and by employers. Adherence to company policies is mandatory and includes:

- Alcohol and Drug Policy
- Harassment-Free Workplace Policy
- Duty to Accommodate Policy
- Employment Equity and Non-discrimination Policy
- Aboriginal Relations Policy
- Code of Business Ethics Policy
- Weapons in the Workplace Policy
- Coastal GasLink is implementing a voluntary workforce accommodation enhancement program that will have community advisors living and working in workforce accommodations to:
 - support a safe and respectful environment for workers and communities
 - increase transparency between the Project and Indigenous and local communities
 - enhance cultural awareness training all workers receive when on-boarded
 - enhance positive benefits to local communities

4.7.2 Mitigation Effectiveness in this Reporting Period

Based on feedback from SEEMP contacts, there have been no potential residual adverse effects identified in this reporting period on the potential impact to community social services. The mitigation activities are deemed effective at this time.

4.8 COMMUNITY UTILITIES AND SERVICES: WASTE MANAGEMENT FACILITIES

In the Application, the following potential adverse effect was identified in relation to waste management:

- increase in waste flow to regional landfill and transfer station sites, and wastewater treatment facilities

4.8.1 Activities

- Coastal GasLink is working with the workforce accommodation contractors to source waste management capabilities for several proposed locations. Decisions on waste management are based on discussions with local governments to determine capacity and desire to accept solid or liquid waste in their facilities.
- Coastal GasLink is continuing to work with those that have capacity for short-term waste management to use the local facilities. Coastal GasLink adheres to local procedures and fees which provide short-term additional revenue for local community infrastructure.

- Sitka Lodge is integrated into the District of Kitimat municipal infrastructure for liquid waste.
- During this reporting period and while in operation, Hunter Creek Lodge transported and disposed liquid waste at the Forceman Ridge Waste Management facility within the Regional District of Kitimat-Stikine Sewage Septic Service.
- Sukunka Lodge liquid waste is being hauled to Chetwynd where capacity was identified and local tipping fees apply.
- At the 7 Mile Road workforce accommodation near Burns Lake, Coastal GasLink has been working with the community to provide updates to the current liquid waste management systems in order to utilize local services. In this specific location, the upgrades include the addition of a 3-inch water filling station as well as a 4-inch sewage receiving station.
- At the 9A workforce accommodation, liquid waste is currently being sent by vacuum truck to Houston. Coastal GasLink has been working with the District of Houston to upgrade their sewage system to handle the anticipated needs of the Project. Due to unforeseen circumstances, there has been a delay in advancing the upgrade work. Coastal GasLink will continue to work with the District of Houston to progress infrastructure upgrades.
- At Little Rock Lake Lodge, there are existing liquid waste lagoons that are in service and are being utilized in coordination with Nadleh Whut'en First Nation. In the short term, while capacity has been available, Parsnip Lodge workforce accommodations' liquid waste has been hauled to this same location. New plans for these volumes are currently being discussed.
- Coastal GasLink is continuing to work with local governments on practical options for liquid waste management in areas where workforce accommodations are not yet operational.
- Coastal GasLink is continuing to work with Northern Health and the Ministry of Environment and Climate Change Strategy on waste management permitting. Bi-weekly touchpoints have been established with Northern Health, specifically with regards to permitting, including permits related to waste management.

4.8.2 Mitigation Effectiveness in this Reporting Period

Based on early conversations with local and regional facilities regarding capacity prior to construction, Coastal GasLink has identified service gaps in certain municipalities and is collaborating on solutions for these areas. This will continue on a case-by-case basis to ensure an understanding of community specific requests are addressed and to adjust site-specific plans as necessary.

4.9 COMMUNITY UTILITIES AND SERVICES: RECREATIONAL FACILITIES

In the Application, the following potential adverse effect was identified in relation to recreational facilities:

- increased demand on community recreational facilities

4.9.1 Activities

- As workforce accommodations mobilize, recreational facilities are included in the design plans. Each workforce accommodation will be equipped with recreational facilities including exercise equipment, television/movies, telephone and internet access.
- The Project is actively seeking recreation, social, and volunteer opportunities for workers during the construction period which will be implemented through the Workforce Accommodation Enhancement Program (see Section 4.7.1 for more information).

Early opportunities have fostered positive community social interactions. For example, employees and contractors have joined the hockey league in Kitimat playing alongside local community members. Also, in Kitimat, Coastal GasLink workers have been regular volunteer dog walkers for the Kitimat Humane Society. Such opportunities and positive interactions are encouraged and supported by the Coastal GasLink team.

4.9.2 Mitigation Effectiveness in this Reporting Period

There have been no potential residual adverse effects identified by SEEMP contacts in this reporting period. No additional mitigation measures are required at this time.

Feedback from communities with active construction activity in the area are noticing positive impacts with the increase of workers participating in recreation activities in the community. Many communities are working with local businesses to adjust timing of scheduled programs as well as business hours to better accommodate workers on their days off. One community has developed a new brochure called *Active Sundays* with a list of local activities that will be available on Sunday specifically with Project workers in mind.

4.10 COMMUNITY UTILITIES AND SERVICES: EDUCATION SERVICES

In the Application, the following potential adverse effect was identified in relation to education:

- increased demand for education services

4.10.1 Activities

- Coastal GasLink continues to communicate with local education and training service providers regarding anticipated schedules, workforce, skills requirements and expected demands.
- As mentioned in Section 4.5.1, the Joint Provincial Agency SEEMP Engagement meeting took place in November 2019 and included representatives from the Ministry of Education.

4.10.2 Mitigation Effectiveness in this Reporting Period

In this reporting period, one concern was raised regarding a potential overpopulation situation within the school system in Section 5. This concern was brought forward to the Ministry of Education at the Joint Provincial Agency SEEMP Engagement meeting on November 7, 2019. After further investigation, it was confirmed that the schools in the area are under capacity. No additional mitigation measures are required at this time.

4.11 COMMUNITY UTILITIES AND SERVICES: GOVERNMENT SERVICES

In the Application, the following potential adverse effect was identified in relation to government services:

- increased demand on government services

4.11.1 Activities

- Coastal GasLink has communicated with government agencies in advance of and during construction regarding anticipated schedules, workforce and expected demands. In addition, Coastal GasLink is in regular communication with agencies such as WorkBC and WorkSafe BC.
- As mentioned in Section 3.2, the Joint Provincial Agency SEEMP Engagement meeting on November 7, 2019 included 17 representatives from across the B.C. government.

4.11.2 Mitigation Effectiveness in this Reporting Period

Government services provided by the province of B.C. include local licencing, legal services and social assistance. There have been no potential residual adverse effects identified by SEEMP contacts in this reporting period. No additional mitigation measures are required at this time.

4.12 COMMUNITY UTILITIES AND SERVICES: HOUSING AND COMMERCIAL ACCOMMODATION

In the Application, the following potential adverse effect was identified in relation to housing and commercial accommodation:

- reduction in available rental housing and commercial accommodation

4.12.1 Activities

- Coastal GasLink has constructed seven out of 15 planned self-sufficient workforce accommodations as a mitigation measure to avoid strain on community and regional infrastructure and services including housing and commercial accommodation. Appendix C provides the workforce accommodations peak occupancy information. Active workforce accommodation locations are listed in Table 4-3:

Table 4-3: Active Workforce Accommodation Locations

Active Workforce Accommodation	Nearest Community
Sukunka Lodge	Chetwynd
Parsnip Lodge	Prince George
5B Lodge	Prince George
Little Rock Lake Lodge	Fraser Lake
9A Lodge	Houston
Sitka Lodge	Kitimat
Hunter Creek	Kitimat

- In October 2019, the Agricultural Land Commission rejected Coastal GasLink’s initial application for the Vanderhoof Multi-Use Site (MUS). Coastal GasLink prepared a revised application and requested a reconsideration of the initial decision, which is expected before the end of the year. Depending on the outcome of the reconsideration, Coastal GasLink will investigate alternative sites. Approximately 70 workers are currently staying at the 5B Lodge, as a temporary workforce accommodation site until the end of January 2020, to assist with Section 3 and 4 clearing. As the clearing contractor is a local Indigenous company, most of the crew in the Section 4 area is able to commute from home in the Fort St. James and Vanderhoof area.
- In advance of some workforce accommodation location openings, a small number of workers require accommodation in communities. This is currently the case for Chetwynd, Houston and Vanderhoof.

- The Project has communicated with the B.C. Hotel Association, the Northern B.C. Tourism Association, and Chambers of Commerce to ensure accommodation providers are able to plan for increased activity should the need arise.
- As mandated by the Province of B.C., municipalities and regional districts in B.C. are required to complete housing needs reports by April 2022 and every five years thereafter. These reports will help local governments and the B.C. government better understand and respond to housing needs in communities throughout B.C. Coastal GasLink recently participated in a housing needs report interview for the District of Houston in October 2019 and will participate in other studies as requested by communities.

4.12.2 Mitigation Effectiveness in this Reporting Period

Through conversations with local governments and accommodation providers, Coastal GasLink understands that housing and accommodation capacity issues exist in some municipalities. Coastal GasLink is continuing to have discussions around general housing concerns and impacts in the Kitimat and Terrace area. The concern is inflation of property values due to supply and demand that may affect housing affordability for long-time residents of the area. Coastal GasLink will continue to work with these municipalities and LNG Canada to monitor the situation and identify other mitigation solutions, if required.

As presented in the Application, there are no anticipated long-term or permanent effects on rental housing or commercial accommodation that cannot be mitigated.

4.13 TRANSPORTATION INFRASTRUCTURE AND SERVICES: TRAFFIC

In the Application, the following potential adverse effects were identified in relation to traffic:

- increased traffic volumes from transportation of workers, supplies and equipment leading to decreased road safety
- increase in rail traffic resulting from the shipment of project-related materials
- increased air passengers in local and regional airports

4.13.1 Activities

- Parking around Sitka Lodge in the Kitimat area continues to be an area of concern for residents and business owners. In response to concerns raised by the District of Kitimat on Sitka Lodge overflow parking, Coastal GasLink/MSJV received approval to construct a parking lot behind Sitka Lodge and adjacent to the right-of-way. This lot will have capacity for 134 vehicles and will be monitored by security. Construction activities for the new parking lot are currently underway for parking use in early 2020.

- Coastal GasLink is continuing discussions with the Ministry of Transportation and Infrastructure (MOTI) and Nadleh Whut'en First Nation to build a dedicated turning lane as permanent access into the Little Rock Lake Lodge. Draft road plans are being prepared by road engineer contractors and will be reviewed by the project team and Indigenous group to discuss viability and timelines.
- Coastal GasLink has started construction on an alternate access to the Parsnip Lodge to alleviate congestion for local community users and other forest service road users. This access road is scheduled to be complete in January 2020.
- Coastal GasLink has been working on dust control mitigation measures along rural roads experiencing increased project use. Coastal GasLink along with its contractors have completed a full calcium application on the Morice River Road up to 27 km, North Road, Bymac and Nadina Mainline out to 44 km. Other mitigation methods include applying water to roads during dry conditions to aid in grading work as well as dust control.
- Coastal GasLink continues to participate in numerous road user groups in order to avoid congestion impacts on forestry and logging roads.
- Coastal GasLink is upgrading several rural resource roads that are required for access to the project right-of-way.

4.13.2 Mitigation Effectiveness in this Reporting Period

Coastal GasLink has been in ongoing discussions with the District of Kitimat around parking. The additional parking lot area that has been recently approved will mitigate overflow parking issues currently existing at the workforce accommodation site. The implementation of this new parking site within the District of Kitimat is currently anticipated to be effective by all parties but will continue to be monitored by the Project.

The Project is continuing discussions with the Indigenous group and MOTI on the Little Rock Lake Lodge road access plan. Access to the site is currently on an existing approach.

Public notifications related to pipe hauling aim to support traffic safety and provide information on Coastal GasLink's activities. These communications will commence in December 2019 and continue into the first half of 2020 as pipe hauling and logistics operations continue to progress.

4.14 TRANSPORTATION INFRASTRUCTURE AND SERVICES: NAVIGABILITY OF WATERWAYS

In the Application, the following potential adverse effect was identified in relation to navigation:

- disruption of movement on navigable waterways

4.14.1 Activities

- There have been no instream works to date that would interact with or adversely affect safe navigation on a navigable waterway.
- Coastal GasLink will continue to provide notification when construction on navigable waterways commences. This involves installing warning signs along the banks both upstream and downstream of the crossings to caution users of a navigation hazard, where appropriate.

4.14.2 Mitigation Effectiveness in this Reporting Period

As no instream work has occurred during this reporting period, there have been no potential residual adverse effects identified. As a result, no mitigation has been required during this reporting period.

5.0 SEEMP REGULATORY INSPECTIONS

The B.C. EAO conducted two socio-economic administrative inspections during this reporting period. The first was in July 2019 and the second in October 2019. The inspections included several SEEMP requirements for Sections 1, 7 and 8. Both BC EAO inspection report findings found Coastal GasLink compliant with the SEEMP condition.

6.0 ADAPTIVE MANAGEMENT

One corrective action is in the process of being implemented to address parking at Sitka Lodge in Section 8. The concern was resolved with a decision from the District of Kitimat to approve the Temporary Use Permit for additional parking capacity adjacent to Sitka Lodge.

Discussions have taken place specifically with regards to waste management, housing, Little Rock Lake road access, community economic resiliency and emergency/health services personnel capacity. Corrective action has not been required during this reporting period, however, if corrective action is determined through ongoing monitoring, it will be identified in the reporting period the action is implemented in.

No further adaptive management methods were required during this reporting period. As construction advances, Coastal GasLink will continue to monitor mitigation effectiveness and collect feedback regarding potential direct construction adverse effects.

7.0 CLOSING

As early construction work continues on the Project, there have been no detectable adverse effects that would change the predictions of the economy and social assessment. Significant adaptive management strategies have not been required to correct for unanticipated potential adverse effects on economy, regional and community infrastructure and services and transportation infrastructure and services.

SEEMP status reports are developed on a semi-annual basis as required by Condition #24 of the EAC. The next report will be submitted mid-June 2020.

The SEEMP provides a framework for Coastal GasLink to receive feedback from affected Indigenous groups, stakeholders and communities and address concerns. Local governments, provincial agencies and Indigenous groups are encouraged to contact Coastal GasLink if a concern is identified related to the Project's SEEMP implementation. Issues can be identified directly by telephone, email or mail to the identified Coastal GasLink SEEMP representative:

Coastal GasLink toll-free number	1-855-633-2011
Email	CoastalGasLink@TCEnergy.com
Prince George Office	#201, 760 Kinsmen Pl. Prince George, BC Canada V2M 0A8
Vancouver Office	#630, 609 Granville St. Vancouver, BC Canada V7Y 1G5
Calgary Office	450 – 1st St. S.W. Calgary, AB Canada T2P 5H1

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Appendix A

SEEMP Mitigation Status Table

POTENTIAL ADVERSE EFFECTS	REGULATORY REFERENCE	MITIGATION Coastal GasLink is responsible for implementing mitigation presented in the SEEMP	DUE DATE	STATUS
VALUED COMPONENT: ECONOMY				
<i>Key Indicator: Contracts and Procurement Expenditures</i>				
<i>Limited participation in contract opportunities</i>	<i>EA Table 12-8</i>	<ul style="list-style-type: none"> Implement a procurement strategy that provides opportunities for qualified Aboriginal and local contractors 	June 3, 2019	Complete
	<i>EA Table 12-8</i>	<ul style="list-style-type: none"> Continue discussions with economic development representatives from Aboriginal and local communities to communicate Project requirements, potential contract opportunities and related qualifications (i.e., insurance, safety, required personnel, skills, certifications, experience, equipment, materials, etc.) 	December 1, 2021	In Progress
	<i>EA Table 12-8</i>	<ul style="list-style-type: none"> Continue discussions with economic development representatives from Aboriginal and local communities to identify qualified Aboriginal and local businesses interested in providing relevant goods and services 	December 1, 2021	In Progress
<i>Key Indicator: Community Economic Resilience</i>				
<i>Alteration of existing community economic patterns</i>	<i>EA Table 12-8</i>	<ul style="list-style-type: none"> Communicate the Project schedule and identify the short-term nature of Project construction activities to local economic development organizations to manage expectations 	June 14, 2019	Complete
	<i>EA Table 12-8</i>	<ul style="list-style-type: none"> Adhere to the Traffic Control Management Plan to reduce construction related traffic and corresponding potential adverse effects on local business operations 	December 1, 2021	In Progress
VALUED COMPONENT: EMPLOYMENT AND LABOUR FORCE				
<i>Key Indicator: Employment</i>				
<i>Skilled labour shortage</i>	<i>EA Table 12-9, 12-11 and 12-13</i>	<ul style="list-style-type: none"> Implement the Coastal GasLink training program to enable unemployed or underemployed individuals to develop Project specific employment skills and seek Project employment. 	December 1, 2021	In Progress
	<i>EA Table 12-9, 12-11 and 12-13</i>	<ul style="list-style-type: none"> Provide the Project schedule to economic development organizations and post-secondary institutions to inform them of peak workforce demands 	June 14, 2019	Complete

POTENTIAL ADVERSE EFFECTS	REGULATORY REFERENCE	MITIGATION Coastal GasLink is responsible for implementing mitigation presented in the SEEMP	DUE DATE	STATUS
	<i>EA Table 12-9, 12-11 and 12-13</i>	<ul style="list-style-type: none"> • Ensure alternative sources of skilled workers are in place to avoid disruption of the local employment market 	December 1, 2021	In Progress
	<i>EA Table 12-9, 12-11 and 12-13</i>	<ul style="list-style-type: none"> • Communicate with economic development organizations to confirm existing employment conditions in communities and the broader region before executing the employment strategy 	June 14, 2019	Complete
	<i>EA Table 12-9, 12-11 and 12-13</i>	<ul style="list-style-type: none"> • Monitor the success of the Coastal GasLink training program 	December 1, 2021	In Progress
	<i>EA Table 12-9, 12-11 and 12-13</i>	<ul style="list-style-type: none"> • Follow-up with economic development organizations and community representatives to confirm employment conditions in communities and the broader region 	June 14, 2019	Complete
<i>Key Indicator: Training Opportunities</i>				
<i>Lack of time to train local workers for skilled positions</i>	<i>EA Table 12-9, 12-11 and 12-13</i>	<ul style="list-style-type: none"> • Confirm Project workforce needs well in advance of Project construction with economic development organizations, employment centres and educational institutions 	December 1, 2019	In Progress
	<i>EA Table 12-9, 12-11 and 12-13</i>	<ul style="list-style-type: none"> • Provide opportunities for qualified workers currently apprenticing to obtain trades certification during Project construction. 	December 1, 2021	In Progress
	<i>EA Table 12-9, 12-11 and 12-13</i>	<ul style="list-style-type: none"> • Develop and implement a training program focused on developing Project specific skills. Short term workforce readiness training directly related to the proposed Project will focus on: <ul style="list-style-type: none"> • assessing and identifying gaps • determining proper skills development • developing processes to help local residents obtain construction related employment 	December 1, 2021	In Progress

POTENTIAL ADVERSE EFFECTS	REGULATORY REFERENCE	MITIGATION Coastal GasLink is responsible for implementing mitigation presented in the SEEMP	DUE DATE	STATUS
VALUED COMPONENT: COMMUNITY UTILITIES AND SERVICES				
<i>Key Indicator: Emergency Services</i>				
<i>Increased demand on local emergency services</i>	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Adhere to all WorkSafe BC safety standards on work sites during construction and operations. Contact with service provider will be established before construction and documented through the contractor's Emergency Measures Plan 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Adhere to Coastal GasLink Emergency Response Plan (ERP) for proposed Project related emergencies 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Communicate with local emergency service providers, fire departments and RCMP detachments throughout the proposed Project construction and operations phases to provide proposed Project construction schedules and maps and to identify issues such as staffing requirements, access needs and emergency evacuation routes 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Provide key proposed Project personnel contact information, construction schedules, and proposed Project maps with access routes to RCMP detachments, fire departments and ambulance service providers 	June 14, 2019	Complete
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> During worker and Contractor orientation sessions, reinforce the importance of respectful conduct when in communities 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Adhere to TransCanada's Health, Safety and Environment Commitment in Appendix E of the Social Technical Report (Appendix 2 M of the Application) 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Ensure Prime Contractors submit and adhere to safety plans that address emergency procedures 	December 1, 2021	In Progress

POTENTIAL ADVERSE EFFECTS	REGULATORY REFERENCE	MITIGATION Coastal GasLink is responsible for implementing mitigation presented in the SEEMP	DUE DATE	STATUS
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Ensure that the proposed Project will be staffed with sufficient numbers of emergency medical personnel with appropriate certifications, supplies and conveyance requirements based on numbers of workers, hazard risk at the work sites and proximity to medical facilities. 	December 1, 2019	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Supervisory personnel will be on site at all times during drilling, reaming and pullback operations to ensure that emergency response measures will be implemented immediately and effectively. Coastal GasLink will also assign inspection personnel to the site during all phases of watercourse drilling 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Implement mitigation outlined in Section 21 of the Application, Accidents or Malfunctions 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Adhere to the Chemical and Waste Management Plan, Spill Contingency Plan, Fire Suppression Contingency Plan, Adverse Weather Contingency Plan and Traffic Control Management Plan in the EMP (Appendix 2 A of the Application) 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Communicate with local emergency services, including police, fire and ambulance services, three months before construction, regarding known reasonably foreseeable future development and activities (Appendix 3-A, EA), to understand and address potential overlaps and potential issues with increased demand on existing local emergency services, including police, fire and ambulance services. 	December 1, 2019	In Progress
Key Indicator: Health Care Services				
<i>Increased demand on health care services</i>	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Continue to communicate with local and regional health care providers before proposed Project construction activities to identify potential service gaps and issues. 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Discuss with health care providers the use of health care facilities during pre-construction to determine the capacity and capabilities of health care facilities and also determine any concerns or expectations on the part of facility managers. 	December 1, 2021	In Progress

POTENTIAL ADVERSE EFFECTS	REGULATORY REFERENCE	MITIGATION Coastal GasLink is responsible for implementing mitigation presented in the SEEMP	DUE DATE	STATUS
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Adhere to Coastal GasLink emergency response procedures outlined in the ERP. 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Adhere to TransCanada's Health, Safety and Environment Commitment in Appendix E of the Social Technical Report (Appendix 2 M of the Application). 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Follow all WorkSafe BC safety standards on work sites during construction. 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Ensure Prime Contractors submit and adhere to safety plans that address emergency procedures. 	December 1, 2019	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Ensure that the proposed Project will be staffed with sufficient numbers of emergency medical personnel with appropriate certifications, supplies and conveyance requirements based on numbers of workers, hazard risk at the work sites and proximity to medical facilities. 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Supervisory personnel will be on site at all times during drilling, reaming and pullback operations to ensure that emergency response measures will be implemented immediately and effectively. Coastal GasLink will also assign inspection personnel to the site during all phases of drilling of the watercourse 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Implement mitigation outlined in the Application, Section 21 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Adhere to the Waste Management Plan, Spill Contingency Plan, Fire Suppression Contingency Plan, Adverse Weather Contingency Plan and Traffic Control Management Plan in the EMP (Appendix 2 A of the Application) 	December 1, 2021	In Progress

POTENTIAL ADVERSE EFFECTS	REGULATORY REFERENCE	MITIGATION Coastal GasLink is responsible for implementing mitigation presented in the SEEMP	DUE DATE	STATUS
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Ensure senior medical providers are available in the field to provide medical care if a worker needs treatment 	December 1, 2019	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Ensure first-aid personnel are available in the construction camps for emergencies, and available at the appropriate times to accommodate workers who require medical treatment 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Outfit the first-aid room with proper equipment and running water as outlined in the WorkSafe BC regulations 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Ensure medical staff requirements are based on WorkSafe BC ratios of work activity, number of workers and distance (i.e., time) from nearest medical centre 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Communicate with local and regional health care providers three months before construction, regarding known reasonably foreseeable future development and activities (Appendix 3-A), to understand and address potential overlaps and potential issues with increased demand on health care services 	August 5, 2019	In Progress
<i>Key Indicator: Social Services</i>				
<i>Increased demand on community social services</i>	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Continue to communicate with local and regional social service providers to confirm current community social service issues. 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Provide key personnel for the proposed Project with contact information and construction schedules for local and regional social service providers 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Adhere to TransCanada’s Health, Safety and Environment Commitment in Appendix E of the Social Technical Report (Appendix 2 M of the Application) 	December 1, 2021	In Progress

POTENTIAL ADVERSE EFFECTS	REGULATORY REFERENCE	MITIGATION Coastal GasLink is responsible for implementing mitigation presented in the SEEMP	DUE DATE	STATUS
	EA Table 15-18, 15-20, 15-22 and 15-24	<ul style="list-style-type: none"> • House the proposed temporary workforce in construction camps and develop appropriate construction camp policies. Provide the following amenities: <ul style="list-style-type: none"> • recreational facilities and activities such as exercise equipment (e.g., weights) and electronics (e.g., television and movies) • telephone and internet access 	December 1, 2021	In Progress
	EA Table 15-18, 15-20, 15-22 and 15-24	<ul style="list-style-type: none"> • Communicate with local community social services three months before construction, regarding known reasonably foreseeable future development and activities (Appendix 3-A), to understand and address potential overlaps and potential issues with increased demand on community social services 	December 1, 2019	In Progress
<i>Key Indicator: Waste Management Facilities</i>				
<i>Increase in waste flow to regional landfill and transfer station sites, and wastewater treatment facilities</i>	EA Table 15-18, 15-20, 15-22 and 15-24	<ul style="list-style-type: none"> • Coastal GasLink will confirm the capacity of local and regional facilities to accept waste and recycling before construction of the proposed Project. 	August 5, 2019	In Progress
	EA Table 15-18, 15-20, 15-22 and 15-24	<ul style="list-style-type: none"> • Adhere to Coastal GasLink's Chemical and Waste Management Plan in the EMP (Appendix 2 A of the Application) 	December 1, 2021	In Progress
	EA Table 15-18, 15-20, 15-22 and 15-24	<ul style="list-style-type: none"> • All waste materials will be disposed of according to federal and provincial legislation, and municipal and regional regulations, as required 	December 1, 2021	In Progress
	EA Table 15-18, 15-20, 15-22 and 15-24	<ul style="list-style-type: none"> • All staff of the proposed Project with waste management and hazardous materials responsibilities will be educated according to regulatory requirements specific to the proposed Project. All personnel shall understand their responsibilities for proper handling, identification, documentation and storage of wastes and hazardous materials 	December 1, 2021	In Progress

POTENTIAL ADVERSE EFFECTS	REGULATORY REFERENCE	MITIGATION Coastal GasLink is responsible for implementing mitigation presented in the SEEMP	DUE DATE	STATUS
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> An appropriate number of portable toilets shall be made available to ensure each crew has ready access to washroom facilities. The facilities will be serviced and cleaned regularly, and adequately secured. All site personnel are to use portable toilets 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Each construction site will be equipped with adequate garbage receptacles for solid non-hazardous wastes and debris. These materials will be collected, as required, and disposed of at approved locations. Food wastes will be stored in animal proof (bear-proof) containers and transported to an appropriate landfill site 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Receptacles for recycling various products (e.g., paper and aluminum) will be available at proposed Project construction yards and camps and will be hauled to appropriate recycling depots 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Communicate with local and regional landfill, transfer station and wastewater treatment operators to identify service gaps and resulting issues 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Communicate with local and regional waste facilities three months before construction, regarding known reasonably foreseeable future development and activities (Appendix 3-A, EA), to understand and address potential overlaps and potential issues with increase in waste flow to regional landfill and transfer station sites and wastewater treatment facilities 	August 5, 2019	In Progress
<i>Key Indicator: Recreational Facilities</i>				
Increased demand on community recreational facilities	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Continue to communicate with municipal recreation facility operators to confirm the proposed Project construction and workforce schedules to ensure municipal recreational service providers have sufficient notice regarding possible increased use. 	April 1, 2020	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Ensure workers will have access to recreational facilities in the construction camps where they reside during the construction phase. These facilities will include exercise equipment within the camp and access to electronics will be available (e.g., television, movies). 	December 1, 2021	In Progress

POTENTIAL ADVERSE EFFECTS	REGULATORY REFERENCE	MITIGATION Coastal GasLink is responsible for implementing mitigation presented in the SEEMP	DUE DATE	STATUS
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Communicate with municipal recreational facility operators to identify service gaps and resulting issues 	December 1, 2021	In Progress
<i>Key Indicator: Education Services</i>				
<i>Increased demand for education services</i>	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Communicate with educational and training service providers well in advance of proposed Project construction regarding schedules, workforce, skills requirements and expected demands 	December 1, 2021	In Progress
<i>Key Indicator: Government Services</i>				
<i>Increased demand on government services</i>	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Communicate with government agencies well in advance of proposed Project construction regarding schedules, workforce and expected demands. Government agencies and services used will be specified when proposed Project details are finalized 	November 1, 2018	Complete
<i>Key Indicator: Housing and Commercial Accommodation</i>				
<i>Reduction in available rental housing and commercial accommodation</i>	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Communicate with hotel associations, commercial accommodation providers (i.e., campgrounds, hotels and motels, RV parks) and Chambers of Commerce when proposed Project construction schedules are known to ensure accommodation providers are able to plan for increased activity. 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> Communicate with community representatives to assess the current housing availability and options for hosting worker's families 	December 1, 2021	In Progress
	<i>EA Table 15-18, 15-20, 15-22 and 15-24</i>	<ul style="list-style-type: none"> If accommodations are reserved for personnel of the proposed Project, and are determined not to be needed, request that the Contractor release the rooms 	December 1, 2021	In Progress

POTENTIAL ADVERSE EFFECTS	REGULATORY REFERENCE	MITIGATION Coastal GasLink is responsible for implementing mitigation presented in the SEEMP	DUE DATE	STATUS
	EA Table 15-18, 15-20, 15-22 and 15-24	<ul style="list-style-type: none"> Communicate with hotel associations, commercial accommodation providers (i.e., campgrounds, hotels and motels, RV parks) and Chambers of Commerce three months before construction, regarding known reasonably foreseeable future development and activities (Appendix 3-A), to understand and address potential overlaps and potential issues with a reduction in available rental housing and commercial accommodation 	June 14, 2019	Complete
VALUED COMPONENT: TRANSPORTATION INFRASTRUCTURE AND SERVICES				
<i>Key Indicator: Traffic</i>				
<i>Increased traffic volumes from transportation of workers, supplies and equipment leading to decreased road safety</i>	EA Table 15-25, 15-27 and 15-31	<ul style="list-style-type: none"> Implement the Traffic Control Management Plan in the EMP (Appendix 2A of the Application) and the Access Control Management Plan. 	December 1, 2021	In Progress
	EA Table 15-25, 15-27 and 15-31	<ul style="list-style-type: none"> Before construction activities, use community media outlets such as newspapers and radio stations, and email updates to announce the location and schedule of construction activities 	December 1, 2021	In Progress
	EA Table 15-25, 15-27 and 15-31	<ul style="list-style-type: none"> Confirm the proposed Project construction schedule and road crossing procedures with BC Ministry of Transportation and Infrastructure staff before construction activities 	November 1, 2018	Complete
	EA Table 15-25, 15-27 and 15-31	<ul style="list-style-type: none"> Communicate with RCMP detachments to define traffic safety concerns and mitigation before proposed Project construction 	June 14, 2019	Complete
	EA Table 15-25, 15-27 and 15-31	<ul style="list-style-type: none"> Coastal GasLink will transport pipe materials to the proposed Project area by rail, where off-loading (rail sidings) are available and where practical. 	December 1, 2021	In Progress
	EA Table 15-25, 15-27 and 15-31	<ul style="list-style-type: none"> Access points to the ROW will be flagged and signed to discourage public use 	December 1, 2021	In Progress
	EA Table 15-25, 15-27 and 15-31	<ul style="list-style-type: none"> Construction personnel will be transported between construction yards, construction camps and the construction site by multi-passenger vehicles, to the extent practical, to reduce vehicle traffic 	December 1, 2021	In Progress

POTENTIAL ADVERSE EFFECTS	REGULATORY REFERENCE	MITIGATION Coastal GasLink is responsible for implementing mitigation presented in the SEEMP	DUE DATE	STATUS
	<i>EA Table 15-25, 15-27 and 15-31</i>	<ul style="list-style-type: none"> Motorized vehicle traffic, including all-terrain vehicle (ATV), ARGO and snowmobile traffic, will be confined to the approved route, access roads or trails except where specifically authorized by the appropriate regulatory authority 	December 1, 2021	In Progress
	<i>EA Table 15-25, 15-27 and 15-31</i>	<ul style="list-style-type: none"> Vehicles will be limited to travel on the access roads for which they are designed. Most vehicles are able to turn around within the width of the construction ROW. Stringing trucks require extra turning radius. Consequently, approaches to the pipeline ROW or existing public roads will be wider when used for stringing trucks. Where turnarounds are needed on the ROW, extra space will be necessary on the travel side of the ROW. Previously disturbed areas will be used for this purpose, where practical 	December 1, 2021	In Progress
	<i>EA Table 15-25, 15-27 and 15-31</i>	<ul style="list-style-type: none"> Efforts to control off-road vehicle use will be coordinated with the appropriate authorities and conducted until the ROW has been satisfactorily reclaimed. All proposed Project-related vehicles will follow applicable traffic, road-use and safety laws 	December 1, 2021	In Progress
	<i>EA Table 15-25, 15-27 and 15-31</i>	<ul style="list-style-type: none"> Communication with communities where known traffic issues exist once the proposed Project schedule is confirmed 	December 1, 2021	In Progress
	<i>EA Table 15-25, 15-27 and 15-31</i>	<ul style="list-style-type: none"> Communication with forest licensees to address cumulative road use issues 	December 1, 2021	In Progress
<i>Increase in rail traffic resulting from the shipment of Project-related materials</i>	<i>EA Table 15-25, 15-27 and 15-31</i>	<ul style="list-style-type: none"> Communicate with CN Rail to confirm rail capacity, siding availability, schedules, and potential issues related to shipping pipe materials by rail. 	December 1, 2021	In Progress
	<i>EA Table 15-25, 15-27 and 15-31</i>	<ul style="list-style-type: none"> Work with community representatives to identify suitable stockpile sites for pipe material, where practical. Specific selection would consider proposed Project requirements, access roads and general site conditions 	December 1, 2021	In Progress
<i>Increased air passengers in local and regional airports</i>	<i>EA Table 15-25, 15-27 and 15-31</i>	<ul style="list-style-type: none"> Communicate with local and regional airport authorities of proposed Project construction activities to inform them of proposed Project schedules 	December 1, 2021	In Progress
	<i>EA Table 15-25, 15-27 and 15-31</i>	<ul style="list-style-type: none"> Before construction activities, use community media outlets such as newspapers and radio stations to announce the location and schedule of construction activities to avoid impacts on access to air travel by residents 	December 1, 2021	In Progress

POTENTIAL ADVERSE EFFECTS	REGULATORY REFERENCE	MITIGATION Coastal GasLink is responsible for implementing mitigation presented in the SEEMP	DUE DATE	STATUS
<i>Key Indicator: Navigability Of Waterways (NOTE: no instream work has happened during this reporting period)</i>				
<i>Disruption of movement on navigable waterways</i>	<i>EA Table 15-25, 15-27 and 15-31</i>	<ul style="list-style-type: none"> Adhere to watercourse crossing mitigation outlined in Section 7 of the Application 	December 1, 2021	In Progress
	<i>EA Table 15-25, 15-27 and 15-31</i>	<ul style="list-style-type: none"> Obtain necessary approvals under Navigable Waters Protection Act, as required 	December 1, 2021	In Progress
	<i>EA Table 15-25, 15-27 and 15-31</i>	<ul style="list-style-type: none"> Make the Project construction schedule and location maps available to recreational user groups and other members of the public to avoid conflict with planned activities 	December 1, 2021	In Progress
	<i>EA Table 15-25, 15-27 and 15-31</i>	<ul style="list-style-type: none"> If directed by the appropriate regulatory authority, install warning signs along the banks both upstream and downstream of the crossing to caution users of a navigational hazard, where appropriate 	December 1, 2021	In Progress
	<i>EA Table 15-25, 15-27 and 15-31</i>	<ul style="list-style-type: none"> Discuss with TC to ensure that appropriate procedures were used for navigable waterway crossings 	December 1, 2021	In Progress

Appendix B

Diversity and Local Employment Numbers

Appendix B: Diversity and Local Employment Numbers

August 2019

	August Employment (Individuals)	% of Total August 2019 Employment
Indigenous	244	28%
Local	530	60%
Women	231	26%
BC Overall	722	82%
*These reported hours will see overlap in individuals, it is possible that a person is represented in all three labour groups, therefore, these numbers should be looked at as standalone and not rolled into a cumulative value. The above percentages are based on Prime and sub-contractors' total employment numbers of 880 recorded in the month of August.		

September 2019

	September Employment (Individuals)	% of Total September 2019 Employment
Indigenous	260	28%
Local	522	58%
Women	233	23%
BC Overall	701	74%
*These reported hours will see overlap in individuals, it is possible that a person is represented in all three labour groups, therefore, these numbers should be looked at as standalone and not rolled into a cumulative value. The above percentages are based on Prime and sub-contractors' total employment numbers of 947 recorded in the month of September.		

October 2019

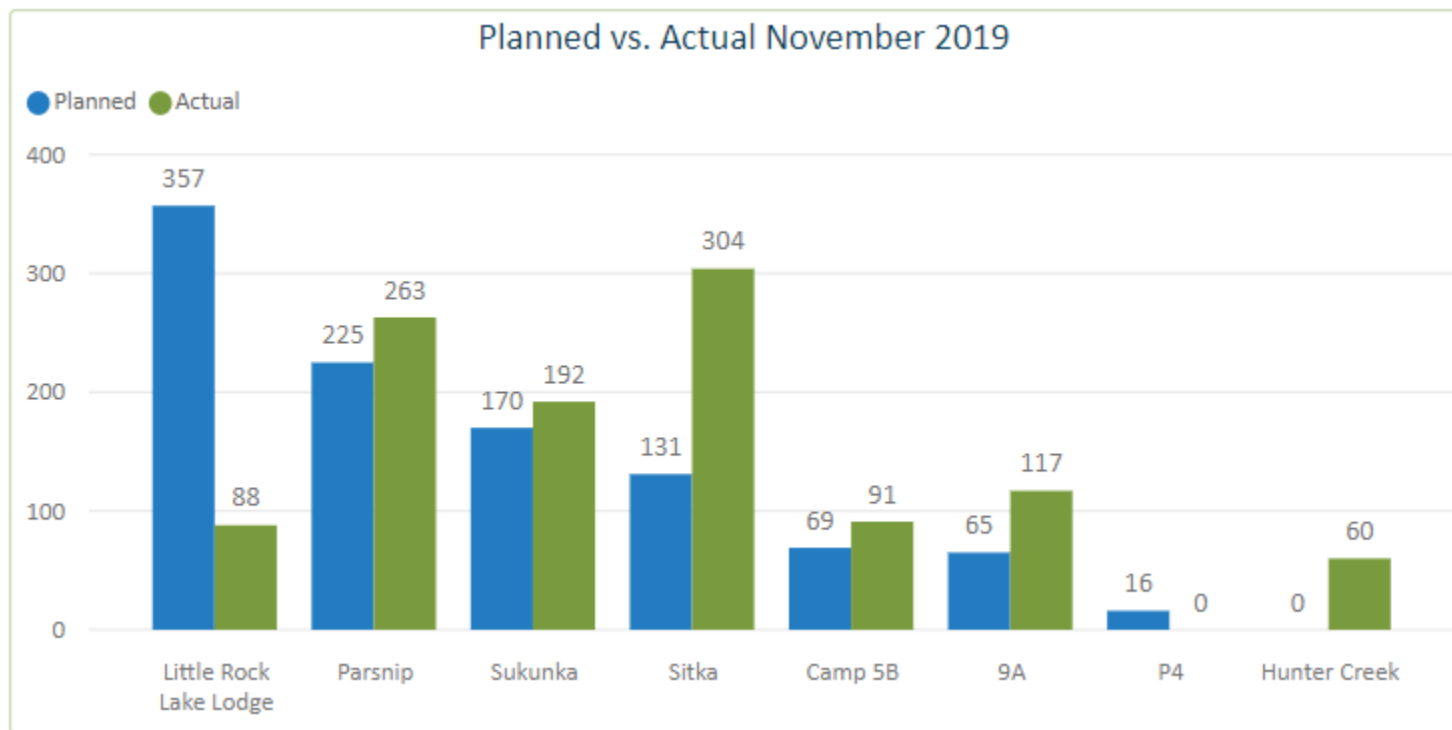
	October Employment (Individuals)	% of Total October 2019 Employment
Indigenous	274	22%
Local	470	38%
Women	271	22%
BC Overall	868	70%
*These reported hours will see overlap in individuals, it is possible that a person is represented in all three labour groups, therefore, these numbers should be looked at as standalone and not rolled into a cumulative value. The above percentages are based on Prime and sub-contractors' total employment numbers of 1,237 recorded in the month of October.		

Due to unfavorable weather conditions over the past three months, clearing activity slowed with crews being sent home for numerous days where work could not be successfully conducted. Many of the clearing crews along the route are from local communities, which has led to a slight decrease in the employment percentages in the October table. Once the frost settles and ground conditions improve, clearing activity is expected to resume and employment percentages to increase.

Appendix C

Workforce Accommodations – Planned vs. Actual Peak Occupancy Charts

Workforce Accommodations Plan vs. Actual Peak Occupancy November 2019



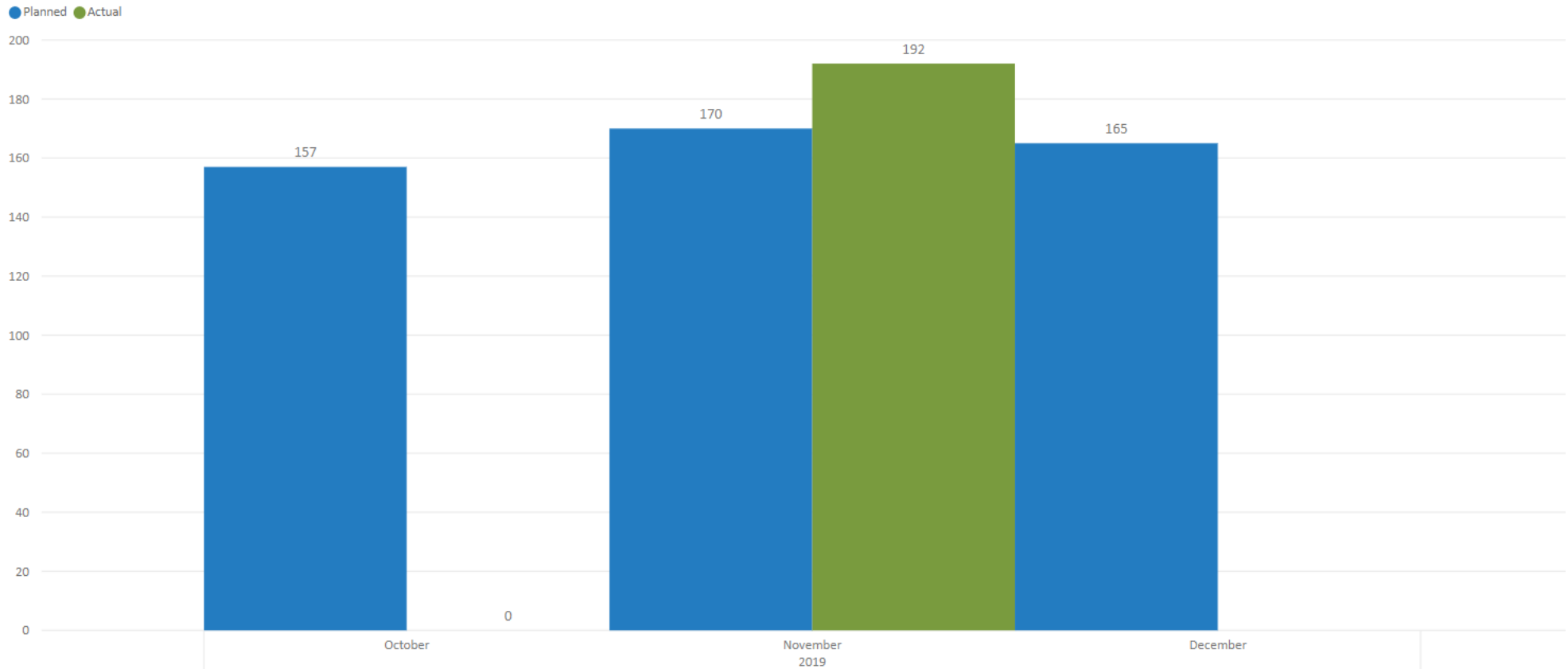
Note:

- Hunter Creek is an alternate site for Pioneer 4 (P4) due to being unable to occupy P4 at this time
- Peak Occupancy, is the day in the month that had the most workers occupying the Workforce Accommodation (this is not a total of all the workers that occupied the Workforce Accommodation in the month)

See the following pages for full breakdowns; plans are not yet available for the following:

- Chetwynd (First Occupancy April 2020)
- Headwall (First Occupancy June 2020)
- Icy Pass 1 & 2 (First Occupancy June 2020)

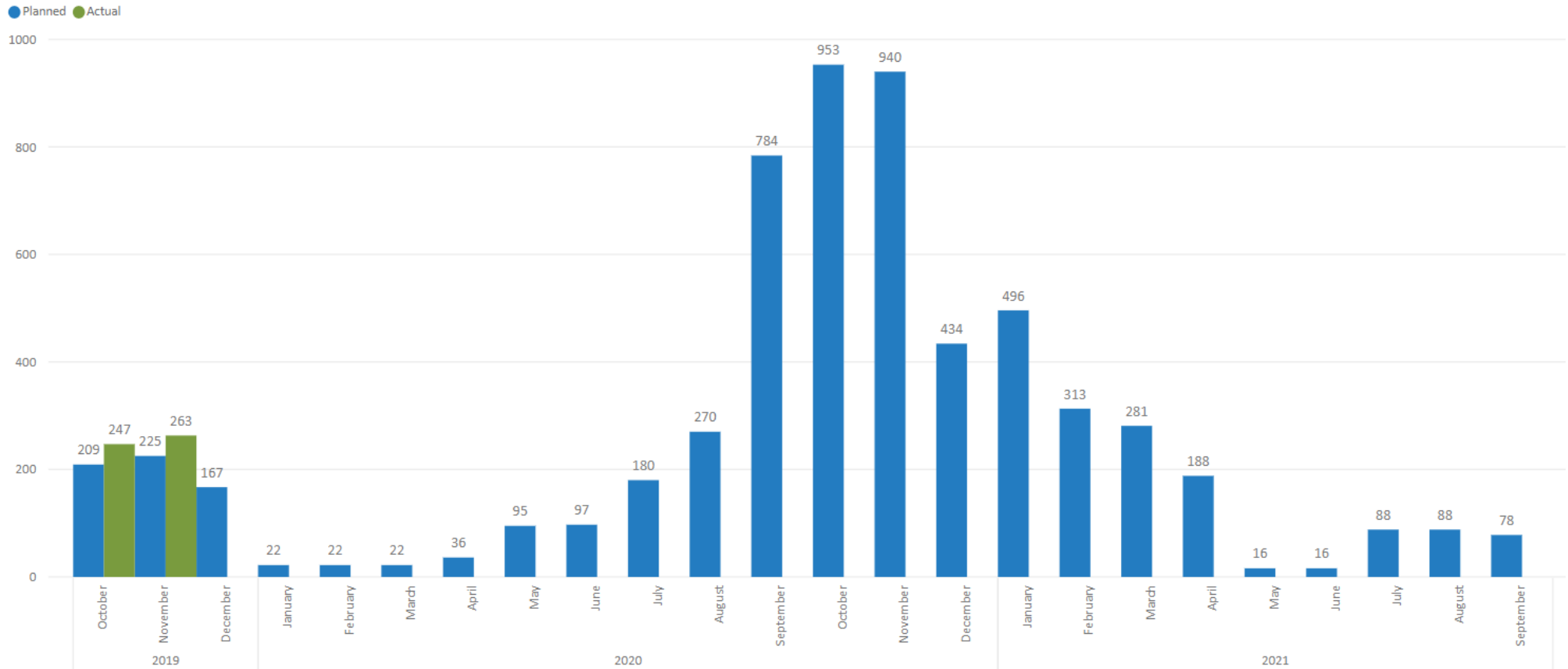
Sukunka Workforce Accommodation Planned vs. Actual Peak Occupancy
Construction Section: 2



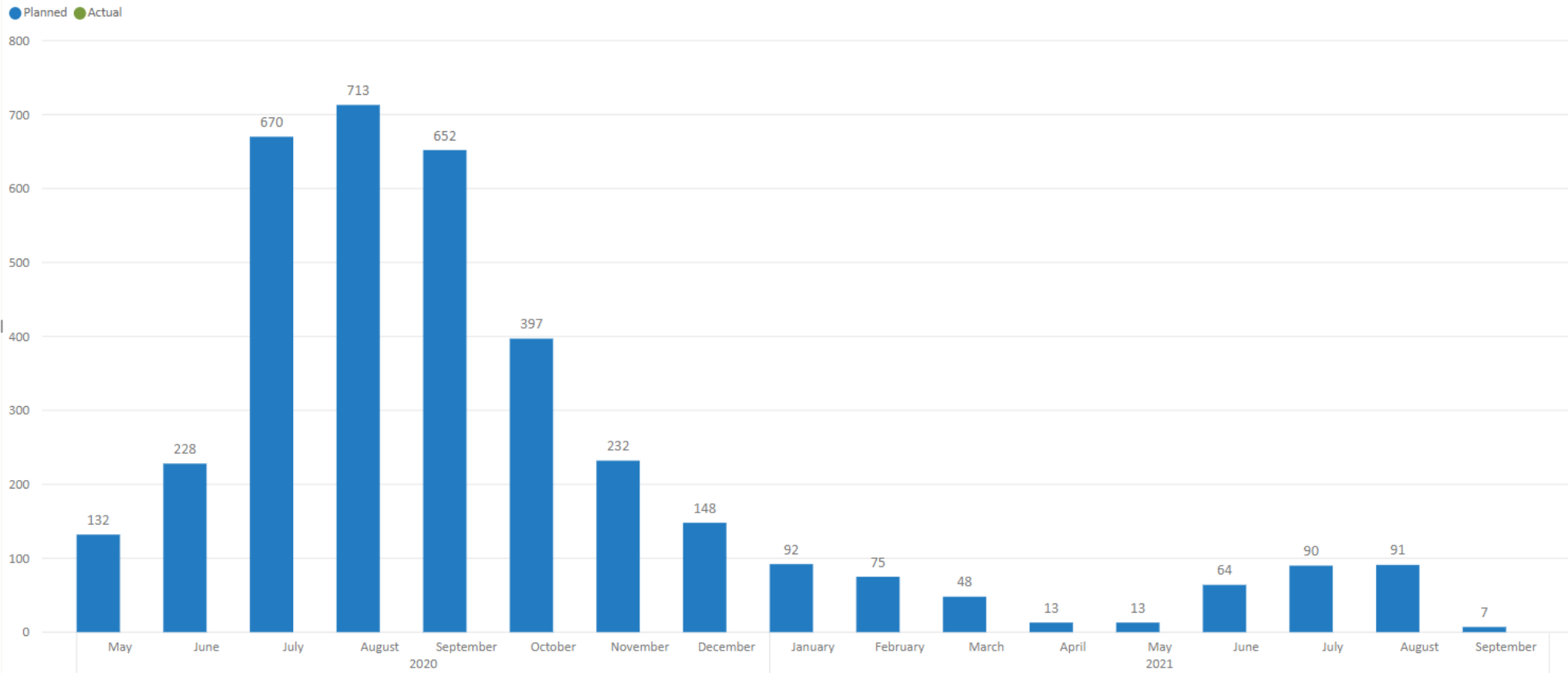
Note: Actuals not received for October, although the accommodations were occupied

Parsnip Workforce Accommodation Planned vs. Actual Peak Occupancy

Construction Section: 3

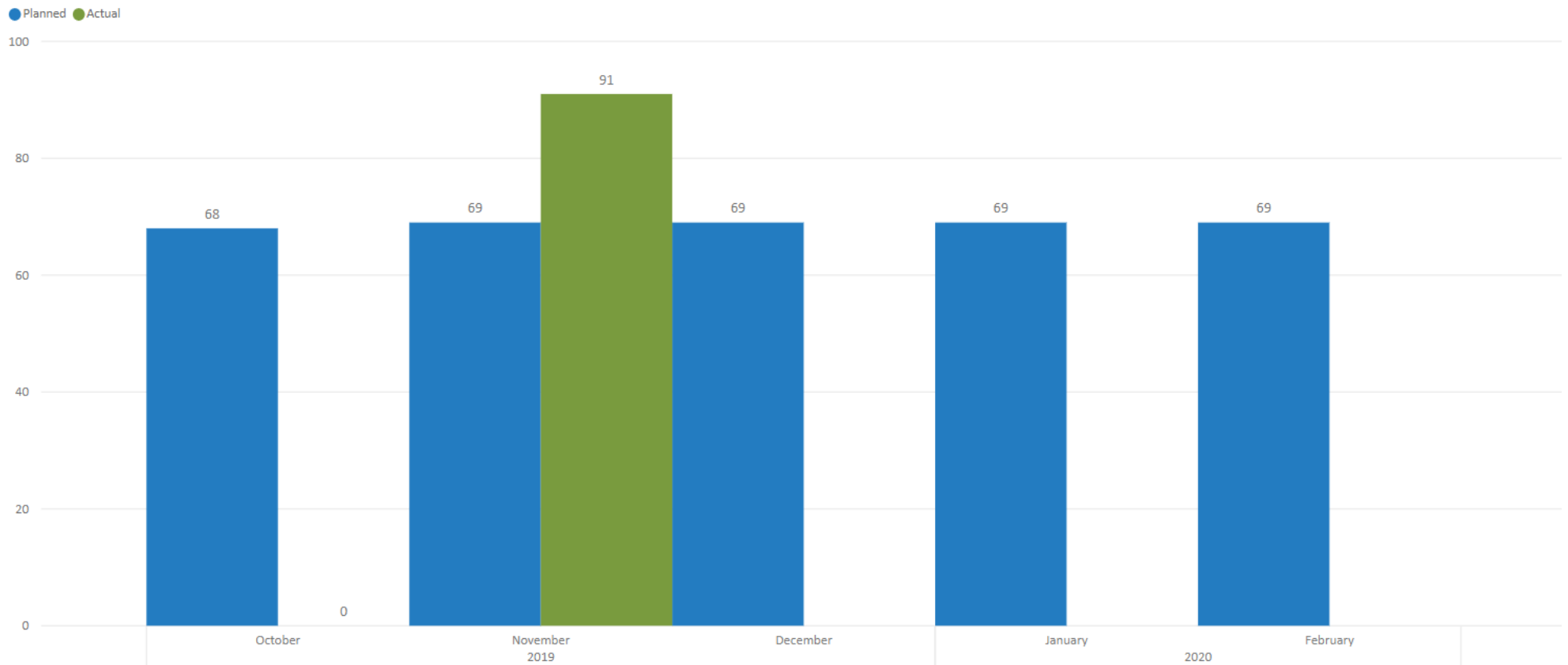


Vanderhoof Workforce Accommodation Planned vs. Actual Peak Occupancy
Construction Section: 4

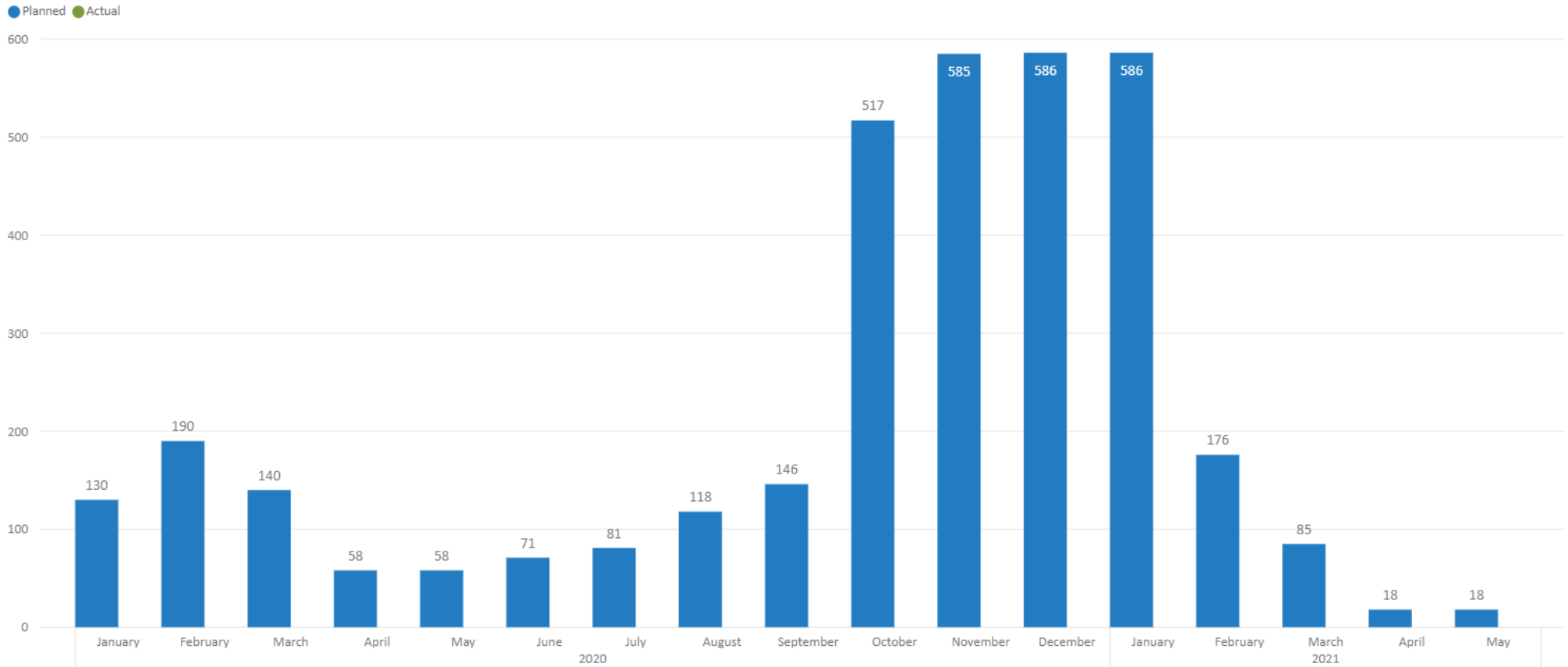


5B Workforce Accommodation Planned vs. Actual Peak Occupancy

Construction Section: 4

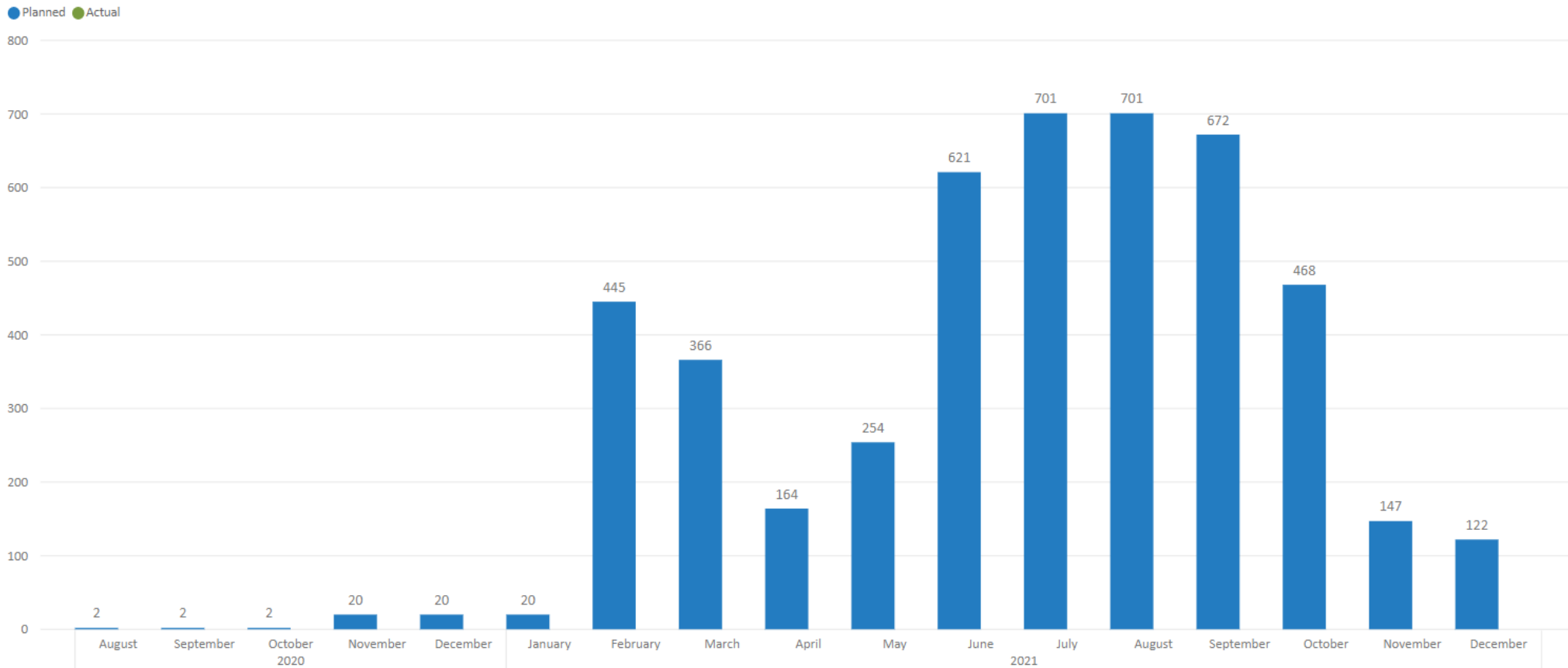


7 Miles Workforce Accommodation Planned vs. Actual Peak Occupancy
Construction Section: 6



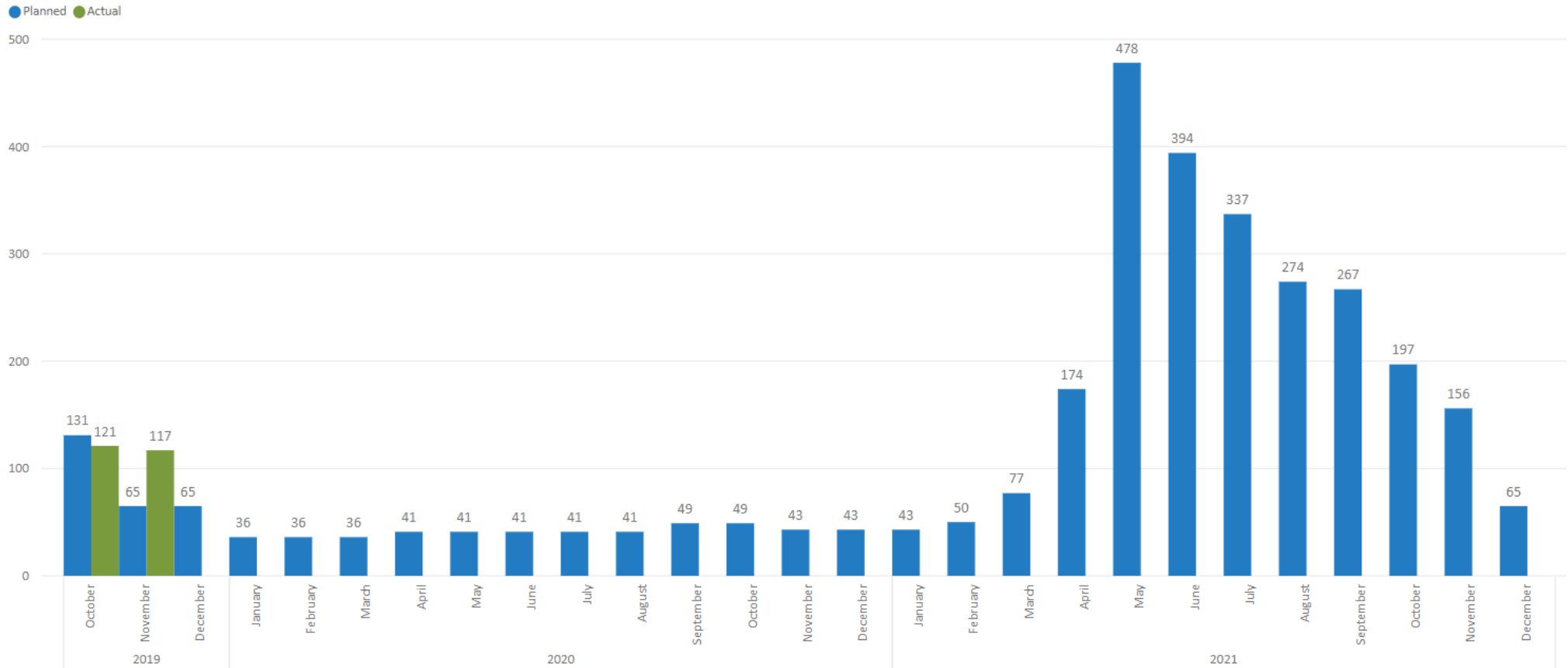
Huckleberry Workforce Accommodation Planned vs. Actual Peak Occupancy

Construction Section: 7



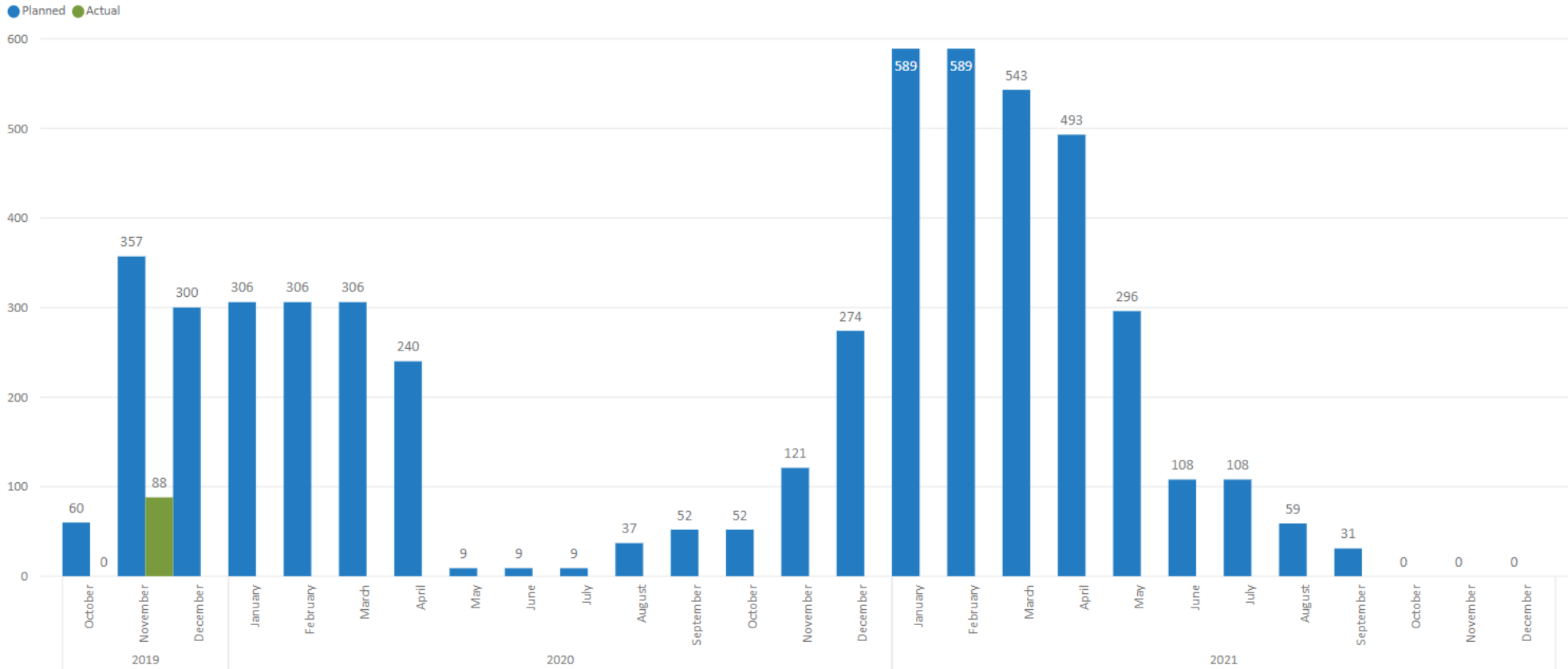
9A Workforce Accommodation Planned vs. Actual Peak Occupancy

Construction Section: 8



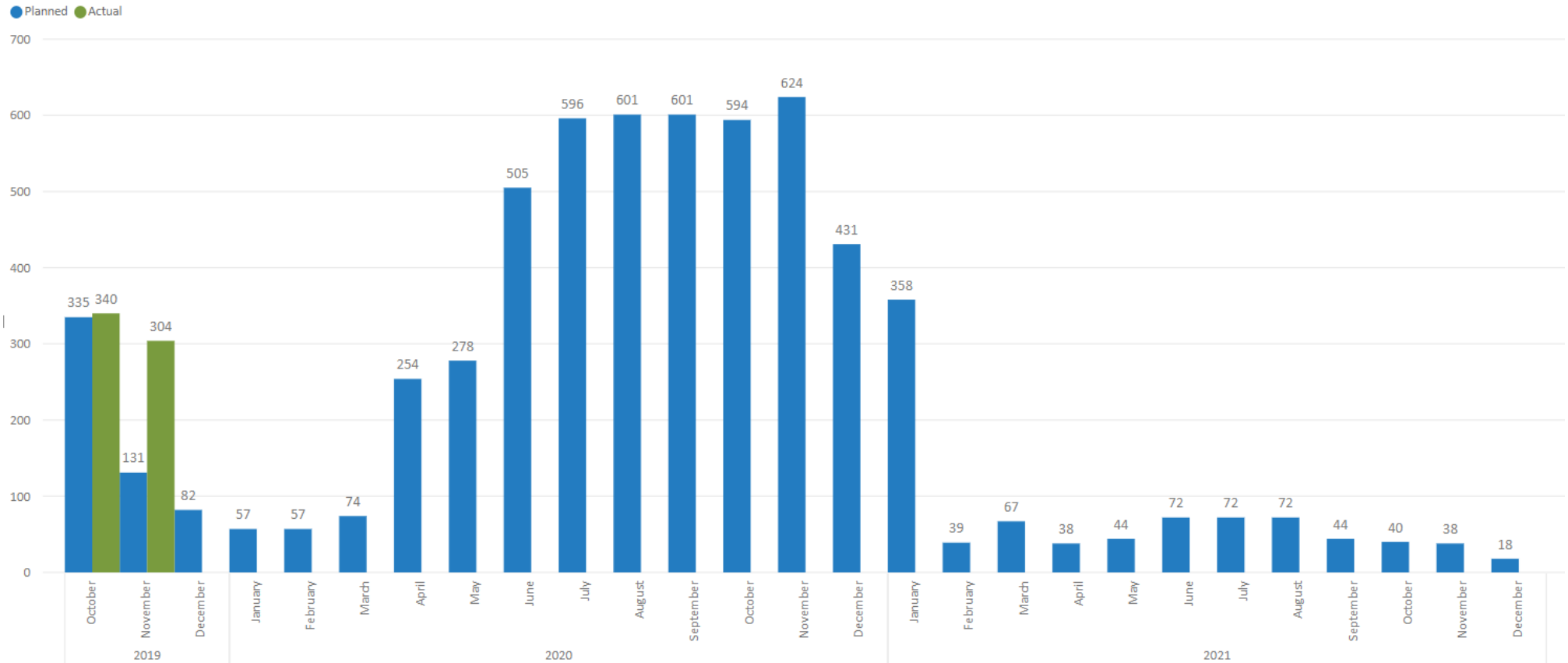
Little Rock Lake Lodge Workforce Accommodation Planned vs. Actual Peak Occupancy

Construction Section: 5

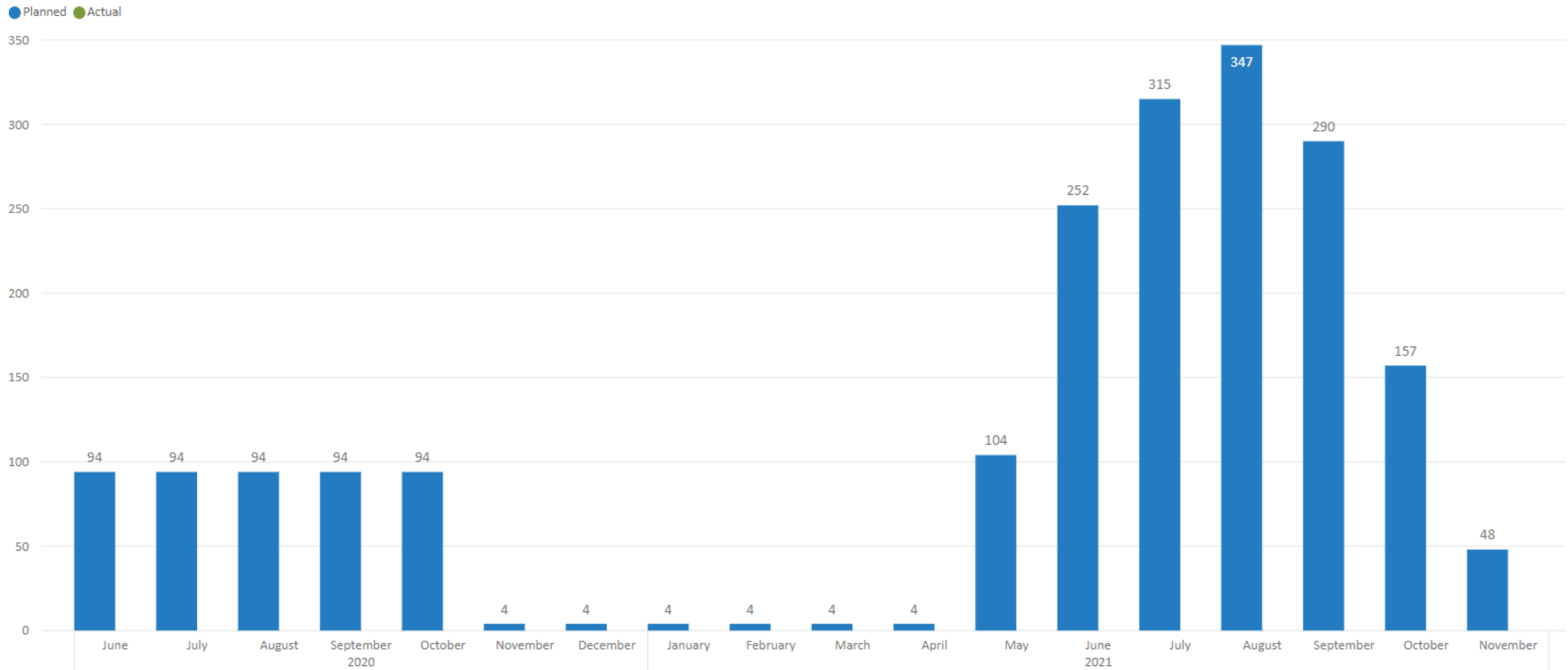


Sitka Workforce Accommodation Planned vs. Actual Peak Occupancy

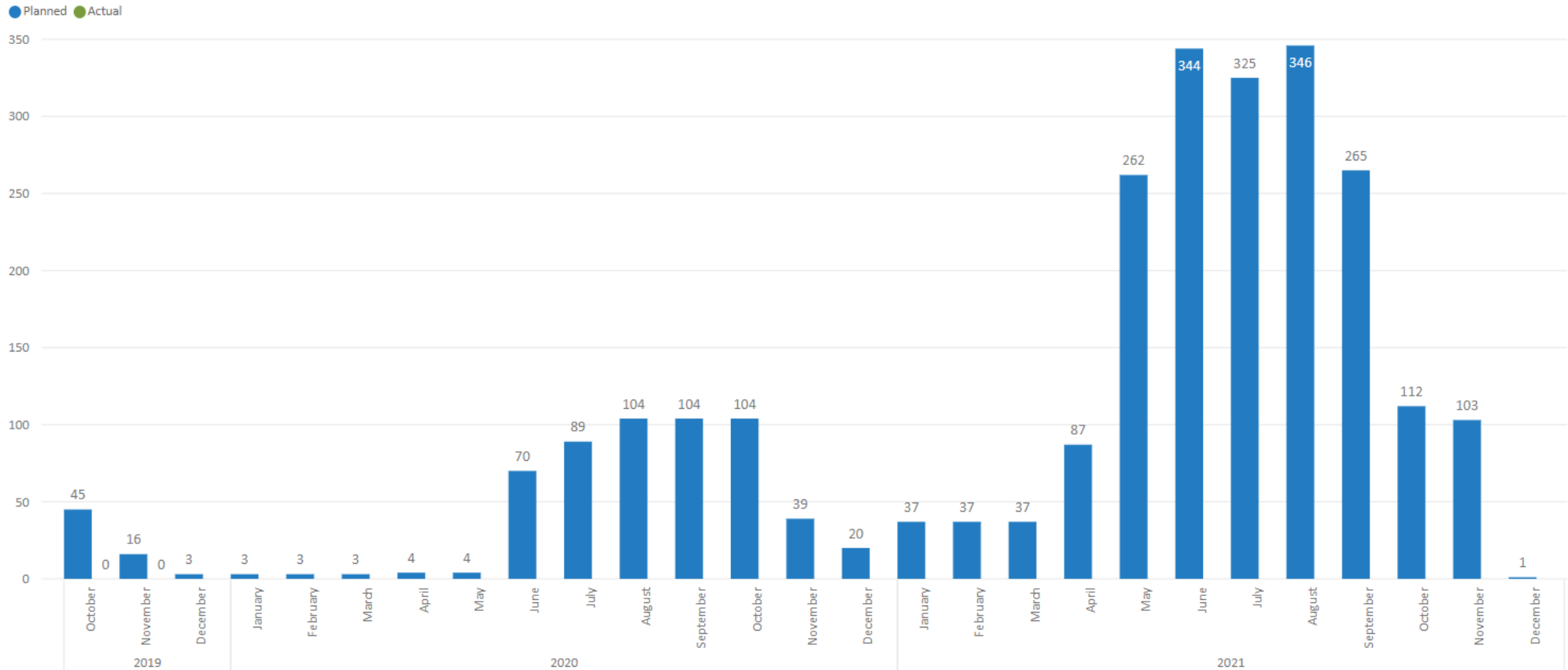
Construction Section: 8



Pioneer 2 Workforce Accommodation Planned vs. Actual Peak Occupancy
Construction Section: 8

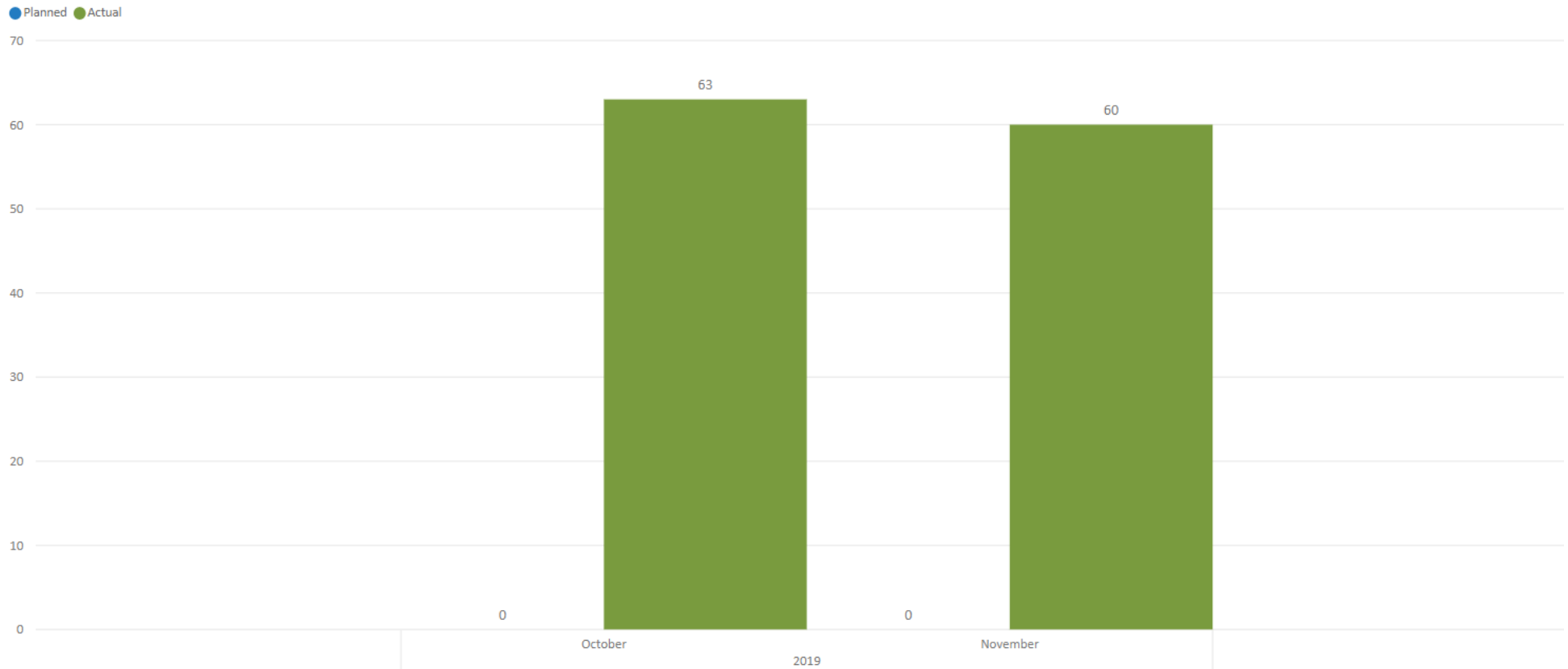


Pioneer 4 Workforce Accommodation Planned vs. Actual Peak Occupancy Construction Section: 8



Note: Currently using Hunter Creek as alternative site due to being unable to occupy Pioneer 4 (P4) at this time

Hunter Creek Workforce Accommodation Planned vs. Actual Peak Occupancy
Construction Section: 8



Note: Currently using Hunter Creek as alternative site due to being unable to occupy Pioneer 4 (P4) at this time

Appendix D

SEEMP Topics Raised During Engagement

Appendix D: SEEMP Topics Raised During Engagement

The following chart includes a summary of SEEMP topics that were raised during the July to November 2019 period by SEEMP contacts.

Topic	Sections
<i>Contracting and Employment</i>	
Employment for transitioning mill workers	4
Local employment displacement	7
Employment expectation from job fairs	3
Economic benefits in community	5
Abundance of Alberta license plates	5
<i>Community Economic Resilience</i>	
Attracting workers into local employment opportunities (e.g. restaurants, hotels, shops)	6
<i>Training/Education</i>	
Local training availability	4
Skills gap for employment	4
Potential overpopulation in schools	5
<i>Health/Emergency Response</i>	
Health facility capacity constraints	1 & 8
Mental health resource availability and plans	6 & 8
<i>Waste Management</i>	
Communication regarding contract awards for waste management	1, 5, 7
<i>Housing</i>	
Available housing	8
Hotel capacity	5, 6 & 7
Vanderhoof workforce accommodation delay	3
<i>Transportation</i>	
Parking	8
Driving safety	1, 7 & 8
Increase of trucks on roads	1 & 8
Parsnip Road Access	3
Rail volume and safety	4 & 8
Ferry Traffic (in general and for emergency traffic and school buses)	5
Rural road sharing	5
<i>SEEMP Status Report #1 Feedback</i>	
Joint meetings with government, industry and communities	8
Joint provincial agency meeting to engage on the SEEMP	N/A
Local employment numbers	N/A