

Trans Mountain Expansion Project Socio-Economic Monitoring Report - North Thompson Region

April to June 2023



Introduction

This report presents the quarterly socio-economic monitoring results for the North Thompson Region related to construction of the Trans Mountain Expansion Project (TMEP or the Project). The monitoring approach and indicators are discussed in detail in the TMEP Socio-Economic Effects Monitoring Plan (SEEMP) approved by the Canadian Energy Regulator (CER) pursuant to CER Condition 13 (see link below). This report presents the Project-specific indicators; these are data that are directly attributable to the Project, reflect the Project's contribution to socio-economic outcomes, and help pinpoint Project actions that may require change. Please refer to Annex 1 - Socio-Economic Context, North Thompson for the regional context indicators that reflect the broader socio-economic conditions in which Project construction is occurring.

[Socio-Economic Effects Monitoring Plan \(CER Condition 13\)](#)

(the above links to the CER website where the SEEMP is filed)

For more information contact: info@transmountain.com or 1-866-514-6700

Project-Specific Indicators

Quantitative Indicators

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	% (where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Apr-23	May-23	Jun-23				
N/A	Total calendar days of construction site work during the reporting cycle	35	28	28	91	N/A	N/A	
	Workers on site per day (average)	1854	1869	1731	1821	N/A		
1	Number of worker-days in field (categorized in two ways: by geographic origin, and also by Indigenous v. non-Indigenous status) <i>Threshold for Action: Number of non-local/regional workers by region/spread is +/- 20% different than estimated in Worker Accommodation Strategy CER Condition 59</i>							
	Total Worker-days	64899	52322	48463	165684	100%	Y (See Note 1)	Indicator 5 (below) provides updated anticipated work force number (in worker days) in this region for the next business quarter. These numbers are made available through notification of the online posting of this Report to municipal or regional government authorities, health authorities, social services, police, hotel / tourism associations and chambers of commerce.
	a) Worker-days, Local or Regional residents	23479	18017	16885	58381	35%		
	b) Worker-days, Other (workers not Local or Regional residents)	41420	34305	31578	107303	65%		
	c) Indigenous	4760	3938	4359	13057	8%		
	d) Non-Indigenous	60139	48384	44104	152627	92%		
2	Number of worker-days in field (categorized by accommodation arrangements of the workers) <i>Threshold for Action: Less than 75% of non-local/regional workers are staying in camps and qualitative feedback received about adverse issue or concern from local authority or tourism /hotel association representative.</i>							
	Total Worker-days	64899	52322	48463	165684	100%	Y (See Note 2)	See response in Indicator 4 and Indicator 12.
	a) Worker-days, Local or Regional resident, residing at home	2243	2080	2233	6556	4%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	43355	37441	37487	118283	71%		
	c) Worker days, not Local or Regional resident, staying in TMEP camps	19301	12801	8743	40845	25%		
3	Living out allowance or related stipend <i>Threshold for Action: An increase in the number of worker-days paid (indicator 3a) from the previous reporting cycle and any qualitative feedback received about adverse issues from local authorities or tourism /hotel associations.</i>							
	a) Number of worker-days paid	44812	39343	37502	121657	N/A	N (See Note 3)	N/A
	b) Total value (\$)	\$ 9,746,471	\$ 7,537,615	\$ 7,529,350	\$ 24,813,436	N/A		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	% (where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Apr-23	May-23	Jun-23				
5	Number of worker-days, in field - anticipated in next business quarter <i>Threshold for Action: N/A - this is a forward indicator to assist stakeholders and Indigenous groups in community readiness.</i>							
				Worker days	Workers per day (avg) Forecast			
	a) July 2023	N/A	N/A	43713	1681	N/A	N/A	N/A
	b) August 2023			26618	1024			
	c) September 2023			13538	521			
6	Number of motor vehicle collisions or reportable incidents that involve Project vehicles on public roads during work hours or Contractor-owned vehicles during off-work hours <i>Threshold for Action: No minimum threshold. All incidents/accidents will be investigated.</i>							
	Total	0	0	1	1	N/A	N/A	N/A
	a) Number involving injuries	0	0	0	0	N/A		
	b) Number involving fatalities	0	0	0	0	N/A		
7	Workers transported from staging areas per day (average) <i>Threshold for Action: Number, when calculated as a % of total workers on site (average during the month of the count) is less than 75%.</i>							
	Mid-month count	1599	1586	1455	1547	N/A	N (See Note 4)	N/A
	End-month count	1711	1404	1271	1462	N/A		
	Average	1655	1495	1363	1504	N/A		
8	Personal vehicles in staging area per day (average) <i>Threshold for Action: Number is 10% or more of AADT values at locations nearest to staging yards and qualitative feedback received about adverse traffic volume issues via indicators #11 and #12.</i>							
	Mid-month count	1299	1290	1197	1262	N/A	Y (See Note 5)	See response in Indicator 11.
	End-month count	0	1154	1049	734	N/A		
	Average	650	1222	1123	998	N/A		
9	Number of times a "captive" Project worker was referred to a local health facility or required emergency medical transport ("Captive" workers = workers on a Project premises, i.e., in camp or on work-site) <i>Threshold for Action: Qualitative feedback from local health authority regarding capacity concerns.</i>							
	a) Total number of times a worker was referred or sent to local health facilities	14	17	9	40	N/A	N (See Note 6)	N/A
	i. urgent	9	6	5	20	N/A		
	ii. non-urgent	5	11	4	20	N/A		
	iii. occupational	0	3	5	8	N/A		
	iv. non-occupational	14	14	4	32	N/A		
	b) Total number of times a worker required ambulance or other emergency transport	1	0	0	1	N/A		
10	Number of medical visits to Project on-site medical facilities <i>Threshold for Action: Number, when calculated as a percentage of average number of workers per month rises from the previous reporting cycle.</i>							
	Total	71	107	53	231	N/A	N (See Note 7)	N/A
	a) occupational	29	44	23	96	N/A		
	b) non-occupational	42	63	30	135	N/A		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	% (where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Apr-23	May-23	Jun-23				
14	Number of people affected by a notifiable disease in a work camp <i>Threshold for Action: No minimum threshold; all notifiable diseases will be reported to the local health authority</i>							
	Total	3	3	1	7	N/A	N/A	N/A

Qualitative Indicators

SEEMP Indicator No.	Indicator	Threshold Triggered? Y/N	If Threshold Triggered, Action Taken															
4	Qualitative feedback about Project use of local/regional commercial accommodation (e.g., hotels, motels, campgrounds) <i>Threshold for Action: Qualitative feedback received about adverse issues from local authorities, tourism/hotel associations or hotels used by Contractor.</i>																	
	Workers departing without paying full rent - feedback from accommodation provider in Clearwater	Y	See response in Indicator #12															
	Potential impacts of the Valemount camp closure - feedback from Village of Valemount, Regional District of Fraser Fort George.	Y	See response in Indicator #12															
	Pressure on low income housing supply and rental price and businesses in Valemount* - feedback from an individual and a community organization.	N	However, see responses in Indicator #11 and #12															
11	Number and types of calls/complaints received through TMEP feedback line (about construction-related social impacts) <i>Threshold for Action: There is no threshold for action as all grievances will be responded to.</i>																	
	<table border="1"> <thead> <tr> <th>Month</th> <th>Number, originating from the region</th> <th>Common Socio-Economic Impact Themes During the Quarter</th> <th>Threshold Triggered? Y/N</th> <th>If Threshold Triggered, Action Taken</th> </tr> </thead> <tbody> <tr> <td>Apr-23</td> <td>Total: 2 % Indigenous: 0 % Non-Indigenous: 100</td> <td>Water use - Valemount resident concern about construction impact on well. Traffic/Driving - Clearwater business complained of workers parking in the parking lot to marshal to shifts; and member of public complained about construction speed reduction zones on Highway 5 from Vavenby to Valemount.</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Jun-23</td> <td>Total: 2 % Indigenous: 0 % Non-Indigenous: 100</td> <td></td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table>	Month	Number, originating from the region	Common Socio-Economic Impact Themes During the Quarter	Threshold Triggered? Y/N	If Threshold Triggered, Action Taken	Apr-23	Total: 2 % Indigenous: 0 % Non-Indigenous: 100	Water use - Valemount resident concern about construction impact on well. Traffic/Driving - Clearwater business complained of workers parking in the parking lot to marshal to shifts; and member of public complained about construction speed reduction zones on Highway 5 from Vavenby to Valemount.	N/A	N/A	Jun-23	Total: 2 % Indigenous: 0 % Non-Indigenous: 100		N/A	N/A		
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	Month	Number, originating from the region	Common Socio-Economic Impact Themes During the Quarter	Threshold Triggered? Y/N	If Threshold Triggered, Action Taken
			Local infrastructure & Services - individual complained about impacts to housing, food/grocery businesses, health care services in Valemount.*		
			Trans Mountain will continue to engage directly with stakeholders (including health authority and businesses) to address concerns directly related to the Project construction where feasible. Trans Mountain and its contractor have worked with the Village of Valemount and Regional District on adaptive management strategies, including facilitating information flow between Village administration and the local grocery supplier regarding storage needs. A funding agreement was established between Trans Mountain and Northern Health for the provision of two additional nurses for the Valemount health clinic through to August 2023. The Blue River camp opened in February 2022 reducing housing needs in the Valemount area. Construction workforce in the Valemount area is projected to decline through 2023 as work areas move to the south of Valemount and the Project moves towards mechanical completion. As of July 2023, construction in Spread 3/4a is 98% mechanically complete and workforce demobilization is underway.	N/A	N/A
12	Qualitative feedback themes about community concerns and experienced social effects <i>Threshold for Action: Adverse socio-economic issue or concern from an appropriate government authority or service provider or community organization.</i>				
	Theme	Impact Overview	Trans Mountain Response	Threshold Triggered? Y/N	If Threshold Triggered, Action Taken
	Local Infrastructure/Services <i>(Thompson Nicola Regional District)</i>	Concern about damage/potholes on Vavenby Bridge Road thought to be due to Project traffic.	Trans Mountain will continue to follow up on any traffic-related concerns. Contractors have an approved Traffic Management Plan that addresses public protection measures, access roads/routes to the construction site and Traffic Control Plans for each work zone which consider potential impacts with mitigation. Meetings are held with local governments to assess road conditions for required repairs for areas the Project has permits.	Y	Trans Mountain liaised with Ministry of Transportation and Infrastructure (MoTI) who would install temporary repairs. Trans Mountain will work with MoTI and CN to plan permanent repairs at the location once the Vavenby yard is no longer in use by the Project. Trans Mountain worked with MoTI and CN to install permanent repairs.
	Infrastructure and Services <i>(Thompson Nicola Regional District)</i>	Individual's driveway impact concern	Trans Mountain follows up on all traffic related and landowner concerns.	Y	Trans Mountain followed up to evaluate the conditions and provided information to the Thompson Nicola Regional District representative.
	Housing/Accommodation <i>(Village of Valemount, Regional District of Fraser Fort George)</i>	Potential impact of the Valemount camp closure on Valemount accommodation.	<i>In May 2023, Trans Mountain became aware of March 28, 2023 Valemount council meeting minutes through a CER inquiry, and for clarity re-iterates its follow-up with and response to the Village of Valemount from March 29 2023 in this Q2 report.</i> Workforce projections are decreasing, and work fronts have shifted away from Valemount to the south of Spread 3/4a. The Blue River camp remains open, and up to 400 workers relocated to Clearwater area which has capacity due to the mechanical completion of Spread 4B. During the reporting period, Trans Mountain received no feedback about experienced impacts related to Valemount camp closure since the camp closed at the end of May 2023.	Y	Trans Mountain had a follow-up meeting on March 29th with Village of Valemount to better understand and discuss community impacts. Trans Mountain worked with the Village of Valemount to provide increased frequency of communication to the Village of Valemount on construction updates and timelines (e.g., monthly Project updates and periodic verbal check-ins), including estimated workforce numbers. Valemount camp facility is occupied by BC Ministry of Emergency Management and Climate Change for fire season housing support. The leasing arrangement has been made directly with the camp contractor, with Trans Mountain's approval.
	Housing/Accommodation <i>(from nonprofit community organization Valemount affordable rentals society*)</i>	Pressure on low income housing supply and rental price in Valemount*	Trans Mountain regularly provides updated worker forecast information to local authorities to assist in community planning, and engages directly with local authorities (Village of Valemount and Regional District of Fraser Fort George) on any workforce hosting issues. The Blue River camp opened in February 2022 reducing housing needs in the Valemount area. The permit for the Valemount camp was extended into 2023 to support extended construction schedules. The Spread 3/4a Contractor regularly engages with interested commercial accommodation providers to update accommodation vacancy information provided to its workforce, and would not include accommodation providers not interested in workforce hosting due to other user needs. It has been shared that the construction workforce in the Valemount area is projected to decline through 2023 with remaining work areas moving away from Valemount to southern parts of the North Thompson region. Construction in the Spread 3/4a is on track to achieve mechanical completion by September 2023 (98% complete as of July 2023). As of August 2023, the workforce residing in the Valemount area is approximately 300 workers and is anticipated to decline to about 70 workers in October when it is anticipated the Contractor will complete its demobilization.	Y	Trans Mountain invited the individuals who emailed concerns about low income housing to participate in the July 2023 Valemount worker accommodation survey process and also invited direct feedback. From the invitations for direct feedback, Trans Mountain received a question about timing of the survey in relation to the projected decrease in workforce. Trans Mountain has confirmed that camp assets are owned by each camp operator and not owned by Trans Mountain, and camp configurations are designed for temporary industry housing and not suitable for long-term community housing. The Project is planning workforce demobilization from the community.
	Housing/Accommodation <i>(Simpco First Nation)</i>	Inquiry about potential to support Clearwater rental market, using Clearwater camp.	In response to community inquiries about retention of camp assets for community housing, Trans Mountain confirms the assets are owned by each camp operator and not owned by Trans Mountain. Camp configurations are designed for temporary industry housing and are not suitable for long-term community housing.	Y	Trans Mountain confirms the camp assets are owned by each camp operator and not owned by Trans Mountain. Camp configurations are designed for temporary industry housing and are not suitable for long-term community housing.

	Theme	Impact Overview	Trans Mountain Response	Threshold Triggered? Y/N	If Threshold Triggered, Action Taken
	Worker Conduct (Accommodation provider in Clearwater)	Two workers departing without paying full rent.	The Worker Code of Conduct specifies that all workers are ambassadors of the Project, and it is important that the people living in the vicinity of the Project are treated with respect and consideration during the Project construction time frame. Complaints regarding off-duty worker conduct in community are investigated internally to determine appropriate disciplinary action. Workers receiving living out allowance get it as part of their pay cheque and are responsible for coordinating their lodging arrangements. In this instance, the workers had demobilized from the project, and the Contractor is unable to follow-up on the matters as the workers are no longer employed on the Project.	Y (per indicator 4)	The Contractor flagged the individuals as ineligible re-hires.
13	Qualitative feedback themes about effects on the quality and abundance of traditional harvesting resources, or ability of Indigenous people to harvest resources, within the Project footprint <i>Threshold for Action: Qualitative from Indigenous group leader/administrator regarding reports of adverse effects on quality and abundance of traditional harvesting resources, or ability of Indigenous people to harvest their resources or access cultural sites, within the Project footprint.</i>				
	None			N/A	N/A

Methodology and Notes

- Information in this report was collected through internal sources including labour and incident data from Contractors, TMEP feedback line data, and the review of stakeholder and Indigenous engagement records. Data reflects activity related to TMEP construction only.
- A worker-day is defined as 10 hours of work, by a construction Contractor on-site or in an on-site office.
- The monthly data cut-off is typically the last Saturday of each month; this reporting cycle was March 26, 2023 - June 24, 2023.
- Thresholds are internally assessed on a monthly basis and are considered triggered if a threshold is exceeded for any given month within each quarterly reporting cycle.
- The threshold analysis of Indicator 1 utilizes the estimate of non-local/regional workers estimated in the Worker Accommodation Strategy (WAS) CER Condition 59, based on the corresponding month of construction in an ordered manner. For example, Month 1 predicted in the WAS is compared to Month 1 actual.
- Indicator 11 tallies feedback line calls/queries related to actual socio-economic impact topics related to TMEP construction activity. Socio-economic topics include: access limitations; road closures; business impacts; pressure on housing/accommodations; burden on infrastructure/services; sensory disturbance; traffic and driving; worker conduct; traditional use and cultural sites.
- Employment and business opportunity and training indicators are monitored and reported through separate processes, as per distinct CER Conditions (CER Condition 107 - Aboriginal, Local and Regional Employment and Business Opportunity Monitoring Reports; and CER Condition 58 - Training and Education Monitoring Reports).
- Individual numbers may be rounded to allow for totals to add up.
- For the threshold analysis for Indicator 1, the estimate of non-local/regional workers estimated in the WAS finished in September 2021. While calculations comparing indicator 1 to the estimated workforce in the original WAS are no longer possible due the longer construction timeline, Trans Mountain continues to respond like the threshold for action has been triggered and share forward workforce estimates.
- Indicator 5 includes active Construction Contractors only, as estimated at the end of the reporting quarter.
- Data may be subject to revisions based on updates from Contractors or ongoing quality reviews.
- * this impact theme is based on a letter directed to the CER and copied to the TMEP feedback line in December 2022, and has been included in this report as result of an order from CER. It is added to this reporting quarter's count of complaints though it occurred in a previous quarter.

Quantitative Threshold Analysis Notes:

1. For Indicator 1, data is not available. Construction workforce continues beyond Worker Accommodation Strategy predicted timeframe.
2. For Indicator 2, less than 75% of non-local/regional workers are staying in camps and qualitative feedback was received about adverse impact issue from a local accommodation provider and local municipal authority; therefore, the threshold has been triggered.
3. For Indicator 3, there was adverse feedback from a local accommodation provider and local municipal authority, but there was a decrease in the number of worker-days paid for indicator 3a from the previous reporting cycle (quarterly total); therefore, the threshold has not been triggered.
4. For Indicator 7, the average workers transported from staging areas per day (1504) is approximately 83% of the average workers on site per day (1821); therefore, the threshold has not been triggered.
5. For Indicator 8, the number of personal vehicles in staging areas per day is more than 10% of AADT values at locations nearest to staging yards and feedback was received about adverse traffic volumes (e.g. volume of parking); therefore, the threshold has been triggered.