

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

October to December 2022 (Rev. 1)



## 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)

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## Project-Specific Indicators

### Quantitative Indicators

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	% (where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Oct-22	Nov-22	Dec-22				
N/A	Total calendar days of construction site work during the reporting cycle	30	24	30	84	N/A	N/A	
	Workers on site per day (average)	1859	3161	2358	2409	N/A		
1	Number of worker-days in field (categorized in two ways: by geographic origin, and also by Indigenous v. non-Indigenous status) Threshold for Action: Number of non-local/regional workers by region/spread is +/- 20% different than estimated in Worker Accommodation Strategy CER Condition 59							
	Total Worker-days	55771	75874	70727	202372	100%	N/A	N/A
	a) Worker-days, Local or Regional residents	20126	27685	25897	73708	36%		
	b) Worker-days, Other (workers not Local or Regional residents)	35645	48189	44830	128664	64%		
	c) Indigenous	4689	7640	6234	18563	9%		
	d) Non-Indigenous	51082	68234	64493	183809	91%		
2	Number of worker-days in field (categorized by accommodation arrangements of the workers) 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.							
	Total Worker-days	55771	75874	70727	202372	100%	N	N/A
	a) Worker-days, Local or Regional resident, residing at home	2938	9760	9970	22668	11%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	34260	41660	37988	113908	56%		
	c) Worker days, not Local or Regional resident, staying in TMEP camps	18573	24454	22769	65796	33%		
3	Living out allowance or related stipend 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.							
	a) Number of worker-days paid	37777	44583	40659	123019	N/A	N	N/A
	b) Total value (\$)	\$ 6,956,887	\$ 8,283,016	\$ 7,706,178	\$ 22,946,081	N/A		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	% (where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Oct-22	Nov-22	Dec-22				
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>							
	a) January 2023	N/A			61042	N/A	N/A	N/A
	b) February 2023				52827			
	c) March 2023				59798			
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	2	3	12	17	N/A	N/A	N/A
	a) Number involving injuries	0	2	1	3	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	1492	1878	1880	1750	N/A	Y (See Note 1)	Pipeline construction contractors confirmed that there are options for workers to take shuttles from the yard to work areas, and there are also company crew vehicles/trucks that transport workers out to sites. Some workers are carpooling directly from accommodations in the community, which reduces the number of vehicles in staging areas.
	End-month count	1567	1925	1794	1762	N/A		
	Average	1530	1902	1837	1756	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	1223	1518	1515	1419	N/A	N	N/A
	End-month count	1238	1561	1462	1420	N/A		
	Average	1231	1540	1489	1420	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	15	23	13	51	N/A	N	N/A
	i. urgent	15	14	7	36	N/A		
	ii. non-urgent	0	9	6	15	N/A		
	iii. occupational	1	8	10	19	N/A		
	iv. non-occupational	14	15	3	32	N/A		
	b) Total number of times a worker required ambulance or other emergency transport	0	2	1	3	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	338	321	214	873	N/A	N	N/A
	a) occupational	83	107	93	283	N/A		
	b) non-occupational	255	214	121	590	N/A		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	%	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Oct-22	Nov-22	Dec-22				
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	1	4	6	11	N/A	N/A	N/A

#### Qualitative Indicators

SEEMP Indicator No.	Indicator				Threshold Triggered? Y/N	If Threshold Triggered, Action Taken
4	<b>Qualitative feedback about Project use of local/regional commercial accommodation (e.g., hotels, motels, campgrounds)</b> <i>Threshold for Action: Qualitative feedback received about adverse issues from local authorities, tourism/hotel associations or hotels used by Contractor.</i>					
	None				N/A	N/A
11	<b>Number and types of calls/complaints received through TMEP feedback line (about construction-related social impacts)</b> <i>Threshold for Action: There is no threshold for action as all grievances will be responded to.</i>					
	Month	Number, originating from the region	Common Socio-Economic Impact Themes During the Quarter		Threshold Triggered? Y/N	If Threshold Triggered, Action Taken
	Nov-22	Total: 3 % Indigenous: 0 % Non-Indigenous: 100	Sensory Disturbance - Clearwater resident feedback about noise, vibration and light  Traffic/Driving - local resident complained about rock from highway vehicle (unconfirmed if related to Project); local resident concern about the construction speed zones between Clearwater and Blue River	Trans Mountain will follow up on noise, vibration and light complaints to confirm their relation to Project activity. Trans Mountain is working to ensure compliance with bylaws and requirements. Trans Mountain will work with stakeholders to resolve and address such complaints where practical. In this instance, the complaint was forwarded to Lands for follow up and the issues have been resolved.  Trans Mountain will continue to follow up on traffic-related concerns. Contractors have a Traffic Management Plan addressing public protection measures, access roads/routes to the construction site and Traffic Control Plans for each work zone. Trans Mountain follows up with the contractor to ensure traffic-related requirements are followed or provides information to the public as required. For example, regarding the resident concern about speed zones, it was clarified that while it may appear no work is taking place, the speed reduction zone (70km/hr) functions to allow Project-related vehicles to merge on and off the highway into the right-of-way access.	N/A	N/A
	Dec-22	Total: 1 % Indigenous: 0 % Non-Indigenous: 100				

12	<b>Qualitative feedback themes about community concerns and experienced social effects</b> <i>Threshold for Action: Adverse socio-economic issue or concern from an appropriate government authority or service provider or community organization.</i>		
	None	N/A	N/A
13	<b>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</b> <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. Construction activity reduced in December due to holiday break.
- 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 September 25, 2022 - December 31, 2022.
- 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/accommodation s; 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. Therefore, as of October 2021 the threshold analysis for Indicator 1 is N/A.
- 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.

### Notes:

1. For the threshold analysis for Indicator 7, the average workers transported from staging areas per day (1756) is approximately 73% of the average workers on site per day (2409).