

Trans Mountain Expansion Project

Socio-Economic Monitoring Report - Coquihalla Hope Region

October to December 2022



Introduction

This report presents the quarterly socio-economic monitoring results for the Coquihalla Hope 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, Coquihalla Hope 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
		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)	2117	2288	1360	1895	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	63512	54916	40789	159217	100%	N/A	N/A
	a) Worker-days, Local or Regional residents	8908	8706	7734	25348	16%		
	b) Worker-days, Other (workers not Local or Regional residents)	54604	46210	33055	133869	84%		
	c) Indigenous	3912	3650	2810	10372	7%		
	d) Non-Indigenous	59600	51266	37979	148845	93%		
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	63512	54916	40789	159217	100%	N	N/A
	a) Worker-days, Local or Regional resident, residing at home	6070	5470	3738	15278	10%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	46166	41360	30977	118503	74%		
	c) Worker days, not Local or Regional resident, staying in TMEP camps	11276	8086	6074	25436	16%		
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	38038	32828	26741	97607	N/A	N	N/A
	b) Total value (\$)	\$ 8,950,839	\$ 8,263,006	\$ 5,731,240	\$ 22,945,085	N/A		
5	Number of worker-days, in field - anticipated in next business quarter Threshold for Action: N/A - this is a forward indicator to assist stakeholders and Indigenous groups in community readiness.							
	a) January 2023	N/A			32799	N/A	N/A	N/A
	b) February 2023				34728	N/A		
	c) March 2023				39757	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				
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	1053	240	957	750	N/A	Y (see Note 1)	Pipeline Contractor has initiated worker transport strategies, using passenger vans and a bus to transport workers from the Ohamil camp to the Popkum yard, as well as to the field.
	End-month count	1083	245	145	491	N/A		
	Average	1068	243	551	621	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	782	168	617	522	N/A	N	N/A
	End-month count	803	166	49	339	N/A		
	Average	793	167	333	431	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	7	1	4	12	N/A	N	N/A
	i. urgent	4	0	1	5	N/A		
	ii. non-urgent	3	1	3	7	N/A		
	iii. occupational	1	0	2	3	N/A		
	iv. non-occupational	6	1	2	9	N/A		
	b) Total number of times a worker required ambulance or other emergency transport	0	0	0	0	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	21	11	29	61	N/A	N	N/A
	a) occupational	12	10	5	27	N/A		
	b) non-occupational	9	1	24	34	N/A		
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	0	0	0	0	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) Threshold for Action: Qualitative feedback received about adverse issues from local authorities, tourism/hotel associations or hotels used by Contractor.				
	None			N	N/A
11	Number and types of calls/complaints received through TMEP feedback line (about construction-related social impacts) Threshold for Action: There is no threshold for action as all grievances will be responded to.				
	Month	Number, originating from the region	Common Socio-Economic Impact Themes During the Quarter		
	Oct-22	Total: 5 % Indigenous: 0 % Non-Indigenous: 100	Traffic/Driving - Project-related traffic on Laidlaw Road; flagger conduct in Laidlaw area; traffic safety in school zones in Hope area; speeding in the Hope and Black Pines; traffic signage placement on Coldwater Road.	Trans Mountain will continue to follow up on any traffic-related concerns. Contractors have a 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. Trans Mountain follows with the contractor to ensure traffic-related requirements are being met. Each complaint is examined in order to provide additional information and/or appropriate follow-up. For example, security and traffic control were made aware of alleged flagger conduct. In the instance of the school zones in Hope, Trans Mountain is deploying additional traffic inspectors at the location and drivers are contractually required to obey speed limits. A safety bulletin was sent out to the crews reminding them about driving in school zones.	N/A
			Worker Conduct - Project workers playing loud music	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. In this instance, the issue has been shared with the contractor for follow-up.	
	Nov-22	Total: 2 % Indigenous: 0 % Non-Indigenous: 100	Access - Hope resident complaint regarding construction blocking driveway; no fishing and swimming in river sign posted in Hope	Trans Mountain will continue to follow up on any access-related concerns. Each complaint is examined in order to provide additional information and/or appropriate follow-up. In this instance, the RV blockage has been resolved, and the no fishing and swimming sign was placed in error and has been removed.	
	Dec-22	Total: 2 % Indigenous: 0 % Non-Indigenous: 100			

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>		
	None	N	N/A
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	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 Aboriginal 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 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; 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 May 2020. Therefore, as of June 2020 the threshold analysis for Indicator 1 is N/A.
- Indicator 5 includes active Construction contractors only.
- 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 (621) is approximately 33% of the average workers on site per day (1895).