

Trans Mountain Expansion Project
Socio-Economic Monitoring Report - BC Interior Region
July to September 2023



Introduction

This report presents the quarterly socio-economic monitoring results for the BC Interior 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, BC Interior 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	% <i>(where applicable)</i>	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Jul-23	Aug-23	Sep-23				
N/A	Total calendar days of construction site work during the reporting cycle	25	23	23	71	N/A	N/A	
	Workers on site per day (average)	1197	877	834	976	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	29917	20178	19172	69267	100%	Y <i>(See Note 1)</i>	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	9634	7778	8450	25862	37%		
	b) Worker-days, Other (workers not Local or Regional residents)	20283	12400	10722	43405	63%		
	c) Indigenous	2883	2183	2129	7195	10%		
	d) Non-Indigenous	27034	17995	17043	62072	90%		
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	29917	20178	19172	69267	100%	N <i>(See Note 2)</i>	N/A
	a) Worker-days, Local or Regional resident, residing at home	2772	1250	1958	5980	9%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	24782	14798	16087	55667	80%		
	c) Worker days, not Local or Regional resident, staying in TMEP camps	2363	4130	1127	7620	11%		
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	29447	22286	17381	69114	N/A	N <i>(See Note 3)</i>	N/A
	b) Total value (\$)	\$ 5,757,685	\$ 4,240,587	\$ 3,669,495	\$ 13,667,767	N/A		
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>							
					<i>Worker days</i>	<i>Workers onsite per day (avg)</i>		
	a) October 2023	N/A			14284	549	N/A	N/A
	b) November 2023	N/A			10134	390		
	c) December 2023	N/A			2803	108		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	% <i>(where applicable)</i>	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Jul-23	Aug-23	Sep-23				
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	1	1	2	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	786	578	563	642	N/A	Y (See Note 4) Pipeline contractor confirmed that larger crews are for the most part demobilized but the are still using vans for some of the crews in addition to multi-passenger crew trucks. In some cases, there is no staging area separate from the worksite and/or vehicles are required for daily work.	
	End-month count	800	665	655	707	N/A		
	Average	793	622	609	675	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	568	465	604	546	N/A	N (See Note 5)	
	End-month count	539	424	496	486	N/A		
	Average	554	445	550	516	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	1	2	17	N/A	N (See Note 6)	
	i. urgent	0	0	0	0	N/A		
	ii. non-urgent	14	1	2	17	N/A		
	iii. occupational	4	1	2	7	N/A		
	iv. non-occupational	10	0	0	10	N/A		
	b) Total number of times a worker required ambulance or other emergency transport	12	0	0	12	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	22	1	4	27	N/A	N (See Note 7)	
	a) occupational	19	0	4	23	N/A		
	b) non-occupational	3	1	0	4	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	

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>				
	None			N	N/A
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>				
	Month	Number, originating from the region	Common Socio-Economic Impact Themes During the Quarter	N/A	N/A
	Aug-23	Total: 1 % Indigenous: 0 % Non-Indigenous: 100	Sensory disturbance - Merritt residents complained about dust on their cars. Trans Mountain will follow up on dust complaints to confirm their relation to Project activity. Trans Mountain worked with stakeholders to address the complaints.		
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
	Traditional use, cultural sites <i>(Stk'emlupsemc te Secwepemc Nation)</i>	Concern about impacts to cultural values due to changes construction methodology in Jacko Lake area.	Trans Mountain has been engaging with Stk'emlupsemc te Secwepemc Nation on cultural, environmental and archaeological values throughout their Traditional Territory, with a focus on the Jacko Lake / Pipsell area for several years prior to and during construction. Trans Mountain continues to meet with Stk'emlupsemc te Secwepemc Nation to discuss construction-related matters.	Y	Trans Mountain's full position and responses are filed with the Canada Energy Regulator in relation to Section 211 Deviation Application. Trans Mountain will continue to share and engage with Stk'emlupsemc te Secwepemc Nation on site specific construction plans and methodologies; consider Stk'emlupsemc te Secwepemc Nation's feedback and recommendations prior to construction in specific areas of interest; and offer site visits to Stk'emlupsemc te Secwepemc Nation prior to commencement of construction in specific areas of interest and ongoing, as requested.
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>				
	See indicator #12				

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 June 25, 2023 - September 30, 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.
- For the threshold analysis for Indicator 1, the estimate of non-local/regional workers estimated in the WAS finished in March 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 - 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.
- Indicator 5 includes active Construction contractors only.
- Data may be subject to revisions based on updates from Contractors or ongoing quality reviews.

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, no adverse feedback was received from local authorities or tourism/hotel associations; therefore, the threshold has not been triggered.
3. For Indicator 3, there was a decrease in the number of worker-days paid for indicator 3a from the previous reporting cycle (quarterly total) and no adverse feedback was received from local authorities or tourism/hotel associations; therefore, the threshold has not been triggered.
4. For Indicator 7, the average workers transported from staging areas per day (516) is approximately 53% of the average workers on site per day (976); therefore, the threshold has been triggered.
5. For Indicator 8, the personal vehicles in the staging area per day (average) was less than 10% of the AADT values at locations nearest to staging yards; therefore, the threshold has not been triggered.
6. For Indicator 9, no feedback was received from the local health authority regarding capacity concerns; therefore, the threshold has not been triggered.
7. For Indicator 10, the total as a percentage of average number of workers per month reflected as workers on site per day (average over quarter) (2.8%), is lower than the previous reporting cycle (5.3%); therefore, the threshold has not been triggered.