

Trans Mountain Expansion Project Socio-Economic Monitoring Report - BC Interior Region

July to September 2022 (Rev 1)



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)

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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
		Jul-22	Aug-22	Sep-22				
N/A	Total calendar days of construction site work during the reporting cycle	30	24	24	78	N/A	N/A	
	Workers on site per day (average)	775	1148	1129	999	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	23260	27558	27100	77918	100%	N/A	N/A
	a) Worker-days, Local or Regional residents	9255	11471	9635	30361	39%		
	b) Worker-days, Other (workers not Local or Regional residents)	14005	16087	17465	47557	61%		
	c) Indigenous	3152	3589	2926	9667	12%		
	d) Non-Indigenous	20108	23969	24174	68251	88%		
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	23260	27557	27100	77917	100%	N	N/A
	a) Worker-days, Local or Regional resident, residing at home	2840	2521	2778	8139	10%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	17627	22069	21393	61089	78%		
	c) Worker days, not Local or Regional resident, staying in TMEP camps	2793	2967	2929	8689	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	21493	26305	25786	73584	N/A	N	N/A
	b) Total value (\$)	\$ 4,880,643	\$ 4,532,753	\$ 4,957,209	\$ 14,370,605	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>							
	a) October 2022	N/A			26623	N/A	N/A	N/A
	b) November 2022	N/A			22617	N/A		
	c) December 2022	N/A			14439	N/A		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	% <i>(where applicable)</i>	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Jul-22	Aug-22	Sep-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	1	2	3	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	818	807	818	814	N/A	N	
	End-month count	808	767	856	810	N/A		
	Average	813	787	837	812	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	488	537	562	529	N/A	N	
	End-month count	443	511	593	516	N/A		
	Average	466	524	578	522	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	1	10	9	20	N/A	N	
	i. urgent	0	6	5	11	N/A		
	ii. non-urgent	1	4	4	9	N/A		
	iii. occupational	1	4	4	9	N/A		
	iv. non-occupational	0	6	5	11	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	1	44	54	99	N/A	N	
	a) occupational	1	8	5	14	N/A		
	b) non-occupational	0	36	49	85	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	1	2	3	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		
	Jul-22	Total: 1 % Indigenous: 0 % Non-Indigenous: 100	Access - closure of Pineview Trail	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 resident was advised the trail will remain closed in order to safely facilitate construction.	
	Aug-22	Total: 1 % Indigenous: 0 % Non-Indigenous: 100	Traffic/Driving - Project-related vehicle speeding and tailgating on the Coquihalla Highway; and reported near collision events involving cyclist.	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. For example, both crews will receive a refresher regarding cyclist safety with an emphasis on the rules of the road and common courtesy.	
	Sep-22	Total: 3 % Indigenous: 0 % Non-Indigenous: 100	Sensory Disturbance - noise in Kamloops	Trans Mountain will follow up on noise 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.	
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
	Sensory Disturbance <i>(Whispering Pines Clinton Indian Band)</i>	Dust. Rust cloud near Black Pines Pump Station.	Trans Mountain will follow up on sensory disturbance 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, a water truck was on location conducting dust control at Black Pines, and Trans Mountain followed up internally about the blow off valve rust cloud observation.	Y	Trans Mountain followed up with the Construction/Environment team. A water truck was on location conducting dust control at Black Pines and would continue to do so. Trans Mountain provided information that the 'rust cloud' was from a brush tool that went through the pipe that cleaned out dust which would include any rust particles. Trans Mountain confirmed there should not be concerns over safety and that during this work a 50 metre buffer with signage was put up to keep people out the immediate vicinity.
	Environmental concern <i>(Whispering Pines Clinton Indian Band)</i>	Weeds near Black Pines pump station and on reserve.	Trans Mountain will follow-up on community concerns related to construction environmental issues. Environmental mitigation measures are outlined in Project Environmental Protection Plans. In this instance, Trans Mountain followed up to conduct further evaluation of the issue on-site, and a plan was developed to spray the weeds.	Y	Trans Mountain conducted further evaluation of the issue on-site and a plan was developed to spray the weeds in the fields in the spring.
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. It is reflective of construction scope pursuant to CER Condition 13.
- 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 26 - August 27, 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.
- For the threshold analysis for Indicator 1, the estimate of non-local/regional workers estimated in the WAS finished in March 2021. Therefore, as of April 2021 the threshold analysis for Indicator 1 is N/A.
- Indicator 5 includes active Construction contractors only.
- 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.
- Indicator 5 includes active Construction contractors only.
- Data may be subject to revisions based on updates from Contractors or ongoing quality reviews.