

Trans Mountain Expansion Project
Socio-Economic Monitoring Report - Fraser Valley Region
July to September 2022



Introduction

This report presents the quarterly socio-economic monitoring results for the Fraser Valley 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)

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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)	430	585	790	589	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	12893	14047	18963	45903	100%	Y	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	6126	7942	8642	22710	49%		
	b) Worker-days, Other (workers not Local or Regional residents)	6767	6105	10321	23193	51%		
	c) Indigenous	1784	2222	2468	6474	14%		
	d) Non-Indigenous	11109	11825	16495	39429	86%		
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	12893	14047	18963	45903	100%	N	N/A
	a) Worker-days, Local or Regional resident, residing at home	3807	4824	5473	14104	31%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	9086	9223	13490	31799	69%		
	c) Worker days, not Local or Regional resident, staying in TMEP camps	0	0	0	0	0%		
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	9124	9251	13516	31891	N/A	N	N/A
	b) Total value (\$)	\$ 1,664,740	\$ 1,706,830	\$ 2,482,086	\$ 5,853,656	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) October 2022	N/A			15699	N/A	N/A	N/A
	b) November 2022				17611	N/A		
	c) December 2022				12957	N/A		

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				
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:</i> No minimum threshold. All incidents/accidents will be investigated.							
	Total	0	2	0	2	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:</i> Number, when calculated as a % of total workers on site (average during the month of the count) is less than 75%.							
	Mid-month count	218	268	328	271	N/A	Y (see Note 1)	Pipeline contractor confirms they are using multi-passenger vehicles to transport workers for crews that have larger numbers of personnel working in the same area/vicinity. Workers required to move between sites are using personal vehicles.
	End-month count	226	314	301	280	N/A		
	Average	222	291	315	276	N/A		
8	Personal vehicles in staging area per day (average) <i>Threshold for Action:</i> 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.							
	Mid-month count	252	296	346	298	N/A	N	N/A
	End-month count	276	345	328	316	N/A		
	Average	264	321	337	307	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:</i> Qualitative feedback from local health authority regarding capacity concerns.							
	a) Total number of times a worker was referred or sent to local health facilities	1	1	2	4	N/A	N	N/A
	i. urgent	0	0	0	0	N/A		
	ii. non-urgent	1	1	2	4	N/A		
	iii. occupational	1	1	2	4	N/A		
	iv. non-occupational	0	0	0	0	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:</i> Number, when calculated as a percentage of average number of workers per month rises from the previous reporting cycle.							
	Total	5	8	13	26	N/A	Y	Contractor continuing to evaluate on-site medical services and confirms they are adequate to support Project needs.
	a) occupational	4	8	13	25	N/A		
	b) non-occupational	1	0	0	1	N/A		
14	Number of people affected by a notifiable disease in a work camp <i>Threshold for Action:</i> No minimum threshold; all notifiable diseases will be reported to the local health authority							
	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) <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	Trans Mountain Response	N/A	N/A
	Jul-22	Total: 6 % Indigenous: 0 % Non Indigenous: 100	Sensory disturbance - noise in Abbotsford from Project-related vehicles using private driveway to turn around; early morning noise from Project-related delivery truck;	Trans Mountain will follow up on noise, dust and vibration 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. For example, crews have been reminded to not use private driveways to turn around. For the alarm in Abbotsford, security advised that it was a trespass alarm and the security manager will follow up directly with the residents.		
	Aug-22	Total: 9 % Indigenous: 0 % Non Indigenous: 100	noise and vibration from Project-related dump trucks and construction; concerns about vibration and dust from construction; Abbotsford residents complained about alarm going off overnight	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.		
			Access - Yarrow resident issues exiting property due to traffic congestion	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, vehicle damage is being investigated and crews have taken the steps necessary to ensure it does not happen again. Workers have been advised not to park on streets.		
	Sep-22	Total: 14 % Indigenous: 0 % Non-Indigenous: 100	Traffic - damage to car when flagging arm came down on vehicle, incorrect placement of signs resulting in damage to vehicle, Project workers parking on street, traffic delays, Project-related vehicles speeding, Abbotsford resident complained that street sweeper was leaving metal tines and rock on the roadway			
			Worker conduct - inappropriate language close to residential area (Balmoral Ave)	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 contractor has been reminded to tell work crews to watch their language.		
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 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.		
	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 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 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.
- 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.

Notes:

1. For the threshold analysis for Indicator 7, the average workers transported from staging areas per day (276) is approximately 47% of the average workers on site per day (589)