

Trans Mountain Expansion Project
Socio-Economic Monitoring Report - Fraser Valley Region

October to December 2023



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)

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-23	Nov-23	Dec-23				
N/A	Total calendar days of construction site work during the reporting cycle	24	30	30	84	N/A	N/A	
	Workers on site per day (average)	1791	1422	1479	1547	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	42978	42645	44363	129986	100%	Y (See Note 1)	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	19029	18810	20370	58209	45%		
	b) Worker-days, Other (workers not Local or Regional residents)	23949	23835	23993	71777	55%		
	c) Indigenous	5157	4768	5561	15486	12%		
	d) Non-Indigenous	37821	37877	38802	114500	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	42978	42645	44363	129986	100%	N (See Note 2)	N/A
	a) Worker-days, Local or Regional resident, residing at home	18105	19249	23146	60500	47%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	24873	23396	21218	69487	53%		
	c) Worker days, not Local or Regional resident, staying in TMEP camps	0	0	0	0	0%		
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	25757	23396	21569	70722	N/A	N (See Note 3)	N/A
	b) Total value (\$)	\$ 5,295,500	\$ 4,631,817	\$ 4,296,499	\$ 14,223,816	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>							
					Worker days	Workers per day (avg)		
	a) January 2024	N/A			8435	324	N/A	N/A
	b) February 2024				1666	64		
	c) March 2024				766	29		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	% (where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Oct-23	Nov-23	Dec-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	2	0	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: 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	1211	1087	867	1055	N/A	Y (See Note 4)	Pipeline contractor has been 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. No further action, as construction contractor workforce is demobilizing.
	End-month count	1141	1031	315	829	N/A		
	Average	1176	1059	591	942	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	1146	1035	918	1033	N/A	N (See Note 5)	N/A
	End-month count	1097	956	305	786	N/A		
	Average	1122	996	612	910	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	12	5	5	22	N/A	N (See Note 6)	N/A
	i. urgent	0	0	2	2	N/A		
	ii. non-urgent	12	5	3	20	N/A		
	iii. occupational	1	0	3	4	N/A		
	iv. non-occupational	11	5	2	18	N/A		
	b) Total number of times a worker required ambulance or other emergency transport	0	0	1	1	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	13	24	58	N/A	N (See Note 7)	N/A
	a) occupational	1	0	6	7	N/A		
	b) non-occupational	20	13	18	51	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) <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			
	Oct-23	Total: 9 % Indigenous: 0 % Non-Indigenous: 100	Sensory disturbance - noise and dust from Project-related construction and vehicles in Abbotsford; Project-related noise, dust and vibration in Chilliwack; and Project-related noise at night in Abbotsford near Ward Rd and near Sumas Terminal.	Trans Mountain will follow up on noise, dust and vibration complaints to confirm their relation to Project activity. Trans Mountain is monitoring to ensure compliance with bylaws and requirements. Trans Mountain will work with stakeholders to resolve and address such complaints where practical. Each complaint is examined in order to provide additional information and/or appropriate follow-up.	N/A	N/A	
	Nov-23	Total: 5 % Indigenous: 0 % Non Indigenous: 100	Environmental concerns - well running dry in Yarrow near a ditch that also is said to usually be full; and Chilliwack resident concern about water pressure and residue in water.	Trans Mountain will follow-up on community concerns related to construction environmental issues. Environmental mitigation measures are outlined in Project Environmental Protection Plans. Regarding the well running dry in Yarrow, Trans Mountain is rerouting water near this location and followed up on this complaint. Regarding the residue in water, Trans Mountain worked directly with the stakeholder to resolve the issue.			
			Access - complaint about a road closure on Township Rd; and alleged damage to driveway limiting access in Abbotsford due to Project-related activity.	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. Damage complaints are investigated. The closure on Township Rd. was due to an diesel spill by a contractor and was cleaned up.	N/A	N/A	

	Dec-23	Total: 5 % Indigenous: 0 % Non-Indigenous: 100	Traffic/Business disruption - driving conduct by Project-related vehicles in Abbotsford; Project construction allegedly contributing to loss of hay bales; speeding in Chilliwack; muddy roads on Prairie Central Rd in Chilliwack; mud on roads near Mt Lehman in Abbotsford; concern about alleged damage to bees and beehives in Chilliwack as a result of Project-related vibration.	Trans Mountain will continue to follow up on any traffic and business-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. Damage complaints are investigated. Regarding driving conduct, Trans Mountain reminded Project-related truck drivers about the importance of obeying the law, as well as being a good neighbour. Regarding the muddy roads, the concern was referred to the construction team for action.	N/A	N/A
12	Qualitative feedback themes about community concerns and experienced social effects Threshold for Action: Adverse socio-economic issue or concern from an appropriate government authority or service provider or community organization.					
	Theme	Impact Overview	Trans Mountain Response	Threshold Triggered? Y/N	If Threshold Triggered, Action Taken	
	Business disruption <i>(Individual)</i>	Signage for the Prairie Central Rd and Gibson Rd closures causing issues for a local business.	Trans Mountain will follow-up on concerns related to business disruption. Each complaint is examined in order to provide additional information and/or appropriate follow-up.	N	N/A	
	Traffic <i>(City of Chilliwack)</i>	Bump in road, lack of signage and mud on roads on Prairie Central Road in Chilliwack.	Trans Mountain will continue to follow up on any road/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. Signage had been installed but the signage was not visible in the park. Signage has now been rectified. Mud conditions on Prairie Central Road were rectified.	Y	Signage placement and mud on road was rectified.	
	Property damage <i>(Individuals)</i>	Abbotsford neighbour concerned about potholes on property. Flooding of properties in Abbotsford and Chilliwack.	Trans Mountain will continue to follow up on any property-related concerns. Damage claims are investigated. Regarding flooding of properties, Trans Mountain is conducting assessment as there has been flooding across the province in various areas.	N	N/A	
	Sensory Disturbance <i>(Individuals, one individual via City of Abbotsford)</i>	Dust, dirt, noise, and vibration in Abbotsford as a result of Project construction. Night noise near Ward Rd in Abbotsford.	Trans Mountain will continue to follow up on sensory disturbance complaints to confirm their relation to Project activity. Trans Mountain is working to ensure compliance with noise-related bylaws and requirements. Trans Mountain will work with stakeholders to resolve and address such complaints where practical. Each complaint is examined in order to provide additional information and/or appropriate follow-up.	N	N/A	
	Sensory Disturbance <i>(City of Abbotsford)</i>	Noise near Ward Road in Abbotsford.	Trans Mountain will continue to follow up on sensory disturbance complaints to confirm their relation to Project activity. Trans Mountain is working to ensure compliance with noise-related bylaws and requirements. Trans Mountain will work with stakeholders to resolve and address such complaints where practical. Each complaint is examined in order to provide additional information and/or appropriate follow-up.	Y	Engaged with City of Abbotsford to review noise bylaw and discuss sound mitigation and noise modelling plans. Project Contractor will arrange noise monitoring to support night shift activities.	
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 October 1, 2023 - December 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.
- 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 an increase in the number of worker-days paid for indicator 3a from the previous reporting cycle (quarterly total), but 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 (942) is approximately 61% of the average workers on site per day (1547); 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.