

Trans Mountain Expansion Project

Socio-Economic Monitoring Report - Lower Mainland Region

July to September 2021



Introduction

This report presents the quarterly socio-economic monitoring results for the Lower Mainland 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, Lower Mainland for the regional context indicators that reflect the broader socio-economic conditions in which Project construction is occurring.

Trans Mountain's first priority has and will always be the health and safety of our workforce, their families and our communities. In response to the evolving COVID-19 pandemic, Trans Mountain and our construction contractors for the Trans Mountain Expansion Project have been working diligently together to ensure adherence to all advice and direction from government and health officials both provincially and federally.

[Socio-Economic Effects Monitoring Plan \(CER Condition 13\)](#) (link 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-21	Aug-21	Sep-21				
N/A	Total calendar days of construction site work during the reporting cycle <i>(includes days of select site activity during the safety shut down)</i>	30	24	24	78	N/A	N/A	
	Workers on site per day (average)	633	847	1284	899	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	18980	20324	30826	70130	100%	N/A	N/A
	a) Worker-days, Local or Regional residents	14994	16993	19596	51583	74%		
	b) Worker-days, Other (workers not Local or Regional residents)	3986	3331	11230	18547	26%		
	c) Indigenous	815	667	1258	2740	4%		
	d) Non-Indigenous	18165	19657	29568	67390	96%		
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	18980	20324	30826	70130	100%	N	N/A
	a) Worker-days, Local or Regional resident, residing at home	16546	18248	18532	53326	76%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	2434	2076	12294	16804	24%		
	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	1897	1603	11952	15452	N/A	N	N/A
	b) Total value (\$)	\$ 1,767,081	\$ 1,655,604	\$ 2,354,422	\$ 5,777,107	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 2021	N/A			33636	N/A	N/A	N/A
	b) November 2021				28725	N/A		
	c) December 2021				27477	N/A		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	%	(where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Jul-21	Aug-21	Sep-21					
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	1	3	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	797	739	610	715	N/A	Y (see Note 1)	Pipeline Contractor has initiated worker transport strategies, using shuttles to transport workforce from staging areas. There are multiple staging areas to ensure that the majority of the workforce is transported to worksites daily, while some positions require a vehicle to complete their work between multiple sites.	
	End-month count	587	712	491	597	N/A			
	Average	692	726	551	656	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	510	511	793	605	N/A	N	N/A	
	End-month count	548	522	366	479	N/A			
	Average	529	517	580	542	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	9	6	3	18	100%	N	N/A	
	i. urgent	1	0	0	1	6%			
	ii. non-urgent	8	6	3	17	94%			
	iii. occupational	4	5	1	10	56%			
	iv. non-occupational	5	1	2	8	44%			
	b) Total number of times a worker required ambulance or other emergency transport	1	0	0	1	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	113	131	132	376	100%	N	N/A	
	a) occupational	63	63	42	168	45%			
	b) non-occupational	50	68	90	208	55%			
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) 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		N/A	N/A
	Jul-21	Total: 1 % Indigenous: 0 % Non-Indigenous: 100	Sensory disturbance - construction related dust making cars dirty at Westridge and United Blouvard.	Trans Mountain will follow up on 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.		
	Aug-21	Total: 5 % Indigenous: 0 % Non Indigenous: 100	Sensory disturbance - construction related vibrations potentially impacting buildings at Colony Farm.			
	Sep-21	Total: 3 % Indigenous: 0 % Non Indigenous: 100	Sensory disturbance - complaint from resident in the City of Coquitlam complaining about lights from the Golden Yard.			
			Traffic - complaints related to Project-related vehicles arriving early in the morning and driver behaviour at the Burnaby Terminal	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.		
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.					
	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 feedback 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					

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 June 27 to September 25, 2021.
- 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 (656) is approximately 73% of the average workers on site per day (899).