

# Trans Mountain Expansion Project Socio-Economic Monitoring Report - Lower Mainland Region

October to December 2020



## 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). This data is inclusive of the General Construction Contractor workforce data for Sumas Terminal. 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	%	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Oct-20	Nov-20	Dec-20				
N/A	Total calendar days of construction work during the reporting cycle	30	24	16	70	N/A	N/A	
	Workers on site per day (average)	789	921	1003	883	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	23659	22112	16041	61812	100%	N/A	N/A
	a) Worker-days, Local or Regional residents	16809	15691	11574	44074	71%		
	b) Worker-days, Other (workers not Local or Regional residents)	6850	6421	4467	17738	29%		
	c) Indigenous	1178	915	624	2717	4%		
	d) Non-Indigenous	22481	21197	15417	59095	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	23659	22112	16041	61812	100%	N	N/A
	a) Worker-days, Local or Regional resident, residing at home	19053	17585	13014	49652	80%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	4606	4527	3027	12160	20%		
	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	3123	2634	1889	7646	N/A	N	N/A
	b) Total value (\$)	\$ 1,231,056	\$ 1,247,110	\$ 1,059,767	\$ 3,537,933	N/A		
5	Number of worker-days, in field - anticipated in next business quarter (*projections may be impacted by the safety stand down) Threshold for Action: N/A - this is a forward indicator to assist stakeholders and Indigenous groups in community readiness.							
	a) Jan 2021	N/A			31107*	N/A	N/A	N/A
	b) Feb 2021				30361*	N/A		
	c) Mar 2021				33086*	N/A		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	%	(where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Oct-20	Nov-20	Dec-20					
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	0	1	1	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	633	696	701	677	N/A	N	N/A	
	End-month count	623	653	n/a	638	N/A			
	Average	628	675	701	668	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 <b>and</b> qualitative feedback received about adverse traffic volume issues via indicators #11 and #12.								
	Mid-month count	183	194	186	188	N/A	N	N/A	
	End-month count	169	182	n/a	176	N/A			
	Average	176	188	186	183	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	12	12	16	40	100%	N	N/A	
	i. urgent	2	1	4	7	18%			
	ii. non-urgent	10	11	12	33	83%			
	iii. occupational	4	11	12	27	68%			
	iv. non-occupational	8	1	4	13	33%			
	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	114	99	84	297	100%	Y	On-site medical services are adequate to support Project needs. The Contractor adapted its on site medical services to respond to the extra precautions related to COVID-19.	
	a) occupational	54	39	45	138	46%			
	b) non-occupational	60	60	39	159	54%			
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:</i> 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) <i>Threshold for Action:</i> There is no threshold for action as all grievances will be responded to.					
	Month	Number, originating from the region	Common Socio-Economic Impact Themes		N/A	N/A
	Oct-20	Total: 1 % Indigenous: 0 % Non-Indigenous: 100	Traffic - Project-related truck traffic on Underhill at 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.		
	Nov-20	Total: 16 % Indigenous: 0 % Non-Indigenous: 100	Sensory disturbance - light from Burnaby Terminal; dust and noise from traffic and construction at Burnaby Terminal and Westridge	Trans Mountain will follow up on light, dust and noise/vibration complaints to confirm their relation to Project activity. Trans Mountain is working to ensure compliance with bylaws and requirements.		
	Dec-20	Total: 3 % Indigenous: 0 % Non-Indigenous: 100	Marine Terminal	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:</i> Adverse socio-economic issue or concern from an appropriate government authority or service provider or community organization.					
	Theme	Impact Overview	Trans Mountain Response			
	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 <i>Threshold for Action:</i> 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 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 September 27, 2020 to December 17, 2020.
- 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 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.
- 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 (668) is approximately 76% of the average workers on site per day (883).