

Trans Mountain Expansion Project
Socio-Economic Monitoring Report - Lower Mainland Region
July to September 2019



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.

[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	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Jul-19	Aug-19	Sep-19			
N/A	Total calendar days of construction work during the reporting cycle	0	23	27	50		N/A
	Workers on site per day (average)	0	209	258	235		
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:</i> Number of non-local/regional workers by region/spread is +/- 20% different than estimated in Worker Accommodation Strategy NEB Condition 59						
	Total Worker-days	0	4807	6956	11763	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	0	4107	5493	9600		
	b) Worker-days, Other (workers not Local or Regional residents)	0	700	1463	2163		
	c) Indigenous	0	222	697	919		
	d) Non-Indigenous	0	4585	6259	10844		
2	Number of worker-days in field (categorized by accommodation arrangements of the workers) <i>Threshold for Action:</i> 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	0	4807	6956	11763	N	N/A
	a) Worker-days, Local or Regional resident, residing at home	0	4087	5493	9580		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	0	720	1463	2183		
	c) Worker days, not Local or Regional resident, staying in TMEP camps	0	0	0	0		
3	Living out allowance or related stipend <i>Threshold for Action:</i> 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	0	1672	1260	2932	N	N/A
	b) Total value (\$)	\$ -	\$ 207,896	\$ 164,754	\$ 372,650		
5	Number of worker-days, in field - anticipated in next business quarter <i>Threshold for Action:</i> N/A - this is a forward indicator to assist stakeholders and Indigenous groups in community readiness.						
	a) October 2019	N/A			12076	N/A	N/A
	b) November 2019				14092		
	c) December 2019				9162		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Jul-19	Aug-19	Sep-19			
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	0	0	N/A	N/A
	a) Number involving injuries	0	0	0	0		
	b) Number involving fatalities	0	0	0	0		
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	0	66	125	191	Y (see Note 1)	Trans Mountain has followed up with the Contractor, who has confirmed that craft and subcontracted workers are shuttled to and from the worksites via bus.
	End-month count	0	64	160	224		
	Average	0	65	143	208		
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	0	102	65	167	N	N/A
	End-month count	0	89	84	173		
	Average	0	96	75	171		
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	0	1	5	6	N	N/A
	i. urgent	0	1	0	1		
	ii. non-urgent	0	0	5	5		
	iii. occupational	0	0	1	1		
	iv. non-occupational	0	1	4	5		
	b) Total number of times a worker required ambulance or other emergency transport	0	1	0	1		
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	0	10	41	51	Y (see Note 2)	On-site medical services are adequate to support Project needs and do not need to be adapted.
	a) occupational	0	6	12	18		
	b) non-occupational	0	4	29	33		
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

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	N/A	N/A			
	Jul-19	Total: 0 % Indigenous: 0 % Non Indigenous: 0	-Sensory disturbance (odour and noise from Westridge Marine Terminal)					
	Aug-19	Total: 2 % Indigenous: 0 % Non Indigenous: 100						
	Sep-19	Total: 1 % Indigenous: 0 % Non Indigenous: 100						
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		
	Sensory Disturbance	Light, noise, smell and view obstruction from activity at Westridge Marine Terminal (raised by two individuals, continuation from previous reporting cycle)				Trans Mountain will follow up on light, noise or odour complaints received to confirm their relation to Westridge Marine Terminal activity. Trans Mountain is working to ensure compliance with the Noise Management Plan. Trans Mountain will work with stakeholders to resolve and address such complaints where practical.	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: 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	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 30, 2019 to September 28, 2019.
- 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.

Notes

1. For the threshold analysis for Indicator 7, while the average workers transported from staging areas per day (208) is approximately 88% of the average workers on site per day (235) for the quarter, the threshold of less than 75% was met in some months within the quarter.
2. A number of the visits to on-site medical facilities were follow-ups. For original "first visits", there were 4 occupational and 21 non-occupational visits.