

Trans Mountain Expansion Project

Socio-Economic Monitoring Report - Lower Mainland Region

January to March 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). 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)

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	%	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Jan-20	Feb-20	Mar-20				
N/A	Total calendar days of construction work during the reporting cycle	28	28	28	84	N/A	N/A	
	Workers on site per day (average)	337	344	450	377	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	9442	9643	12606	31691	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	7763	7688	9244	24695	78%		
	b) Worker-days, Other (workers not Local or Regional residents)	1679	1955	3362	6996	22%		
	c) Indigenous	702	702	816	2220	7%		
	d) Non-Indigenous	8740	8941	11790	29471	93%		
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	9442	9643	12606	31691	100%	N	N/A
	a) Worker-days, Local or Regional resident, residing at home	7917	8158	10474	26549	84%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	1525	1485	2132	5142	16%		
	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	1324	1060	1873	4257	N/A	N	N/A
	b) Total value (\$)	\$ 250,167	\$ 219,661	\$ 78,430	\$ 548,258	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) April 2020	N/A			14583	N/A	N/A	N/A
	b) May 2020				19032	N/A		
	c) June 2020				17692	N/A		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	%	(where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Jan-20	Feb-20	Mar-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	232	300	229	254	N/A	Y (see Note 1)	The Contractor confirmed that craft and subcontracted workers are shuttled to and from the worksites via bus.	
	End-month count	158	307	244	236	N/A			
	Average	195	304	237	245	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	124	260	297	227	N/A	N	N/A	
	End-month count	123	265	304	231	N/A			
	Average	124	263	301	229	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	2	2	5	100%		N/A	
	i. urgent	0	1	0	1	20%			
	ii. non-urgent	1	1	2	4	80%			
	iii. occupational	0	0	1	1	20%			
	iv. non-occupational	1	2	1	4	80%			
	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	6	20	26	52	100%	Y	On-site medical services are adequate to support Project needs and do not need to be adapted.	
	a) occupational	2	1	17	20	38%			
	b) non-occupational	4	19	9	32	62%			
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	N/A	N/A
	Jan-20	Total: 0	Traffic - Project-related truck traffic		
		% Indigenous: 0	Sensory disturbance - lights from Westridge Marine Terminal shining into house		
		% Non Indigenous: 0			
	Total: 6				
	% Indigenous: 0				
	% Non Indigenous: 100				
	Feb-20	Total: 4			
		% Indigenous: 0			
		% Non Indigenous: 100			
Mar-20					
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		
	Worker Conduct	Concern that workers observe physical distances procedures required by health authorities to prevent community spread of COVID-19.	Trans Mountain and its construction contractors are working diligently together to adhere to all advice and direction from government and health officials, while ensuring the safe uninterrupted operation of the Trans Mountain Pipeline and the continued, safe construction of the Expansion Project. Measures being undertaken at construction sites include: temperature screening; following physical distancing guidelines, staggering work shifts and breaks; eliminating or minimizing in-person meetings; enhancing cleaning and sanitizing; and ensuring workers' orientation includes COVID 19 expectations, awareness and prevention. We continue to revisit and update our plans and monitor implementation on a daily basis. For more information: transmountain.com/covid19	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 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 December 29, 2019 to March 28, 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.
- Indicator 5 includes active Construction contractors only.

Notes

1. For the threshold analysis for Indicator 7, the average workers transported from staging areas per day (245) is approximately 65% of the average workers on site per day (377).