

Trans Mountain Expansion Project

Socio-Economic Monitoring Report - Lower Mainland Region

April to June 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
		Apr-20	May-20	Jun-20				
N/A	Total calendar days of construction work during the reporting cycle	24	31	24	79	N/A	N/A	
	Workers on site per day (average)	643	723	862	741	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	15442	22398	20685	58525	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	11923	16648	14846	43417	74%		
	b) Worker-days, Other (workers not Local or Regional residents)	3519	5750	5839	15108	26%		
	c) Indigenous	800	1341	1172	3313	6%		
	d) Non-Indigenous	14642	21057	19513	55212	94%		
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	15442	22398	20685	58525	100%	N	N/A
	a) Worker-days, Local or Regional resident, residing at home	13118	18399	16566	48083	82%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	2324	3999	4119	10442	18%		
	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	1761	3445	2945	8151	N/A	N	N/A
	b) Total value (\$)	\$ 431,238	\$ 661,220	\$ 570,537	\$ 1,662,995	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) July 2020	N/A			22230	N/A	N/A	N/A
	b) August 2020				30032	N/A		
	c) Sept 2020				25539	N/A		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	%	(where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Apr-20	May-20	Jun-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	3	2	1	6	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	354	300	396	350	N/A	Y (see Note 2)	The Contractor confirmed that craft and subcontracted workers are shuttled to and from the worksites via bus.	
	End-month count	336	307	394	346	N/A			
	Average	345	304	395	348	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	362	339	184	295	N/A	N	N/A	
	End-month count	396	384	200	327	N/A			
	Average	379	362	192	311	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	12	27	100%	N	N/A	
	i. urgent	1	0	1	2	7%			
	ii. non-urgent	8	6	11	25	93%			
	iii. occupational	9	5	6	20	74%			
	iv. non-occupational	0	1	6	7	26%			
	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	51	57	108	216	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	28	30	62	120	56%			
	b) non-occupational	23	27	46	96	44%			
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: 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
	Apr-20	Total: 11	Traffic - Project-related truck traffic Sensory disturbance - lights from Westridge Marine Terminal impacting nearby resident; dust and noise from traffic and construction at Burnaby Terminal, Westridge Marine Terminal; tree removal around Burnaby Terminal Worker Conduct - truck drivers not respecting stop signs and disrespectful language at Burnaby Terminal		
		% Indigenous: 0			
		% Non Indigenous: 100			
	May-20	Total: 12			
		% Indigenous: 0			
		% Non Indigenous: 100			
	Jun-20	Total: 5			
		% 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		
	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: 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 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 March 29, 2019 to June 27, 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.
- Data may be subject to revisions based on updates from Contractors or ongoing quality reviews.

Notes

1. For the threshold analysis for Indicator 1, the estimate of non-local/regional workers estimated in the WAS for comparative purposes finished in May 2020. Therefore, as of June 2020 the threshold analysis for Indicator 1 will be N/A.
2. For the threshold analysis for Indicator 7, the average workers transported from staging areas per day (348) is approximately 47% of the average workers on site per day (741).