

Trans Mountain Expansion Project

Socio-Economic Monitoring Report - Lower Mainland Region

April to June 2022



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	% (where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Apr-22	May-22	Jun-22				
N/A	Total calendar days of construction site work during the reporting cycle	30	24	24	78	N/A		N/A
	Workers on site per day (average)	1794	1839	1913	1844	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	53813	44137	45901	143851	100%	N/A	N/A
	a) Worker-days, Local or Regional residents	33606	27113	27390	88109	61%		
	b) Worker-days, Other (workers not Local or Regional residents)	20207	17024	18511	55742	39%		
	c) Indigenous	2731	2430	2509	7670	5%		
	d) Non-Indigenous	51082	41707	43392	136181	95%		
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	53813	44137	45901	143851	100%	N	N/A
	a) Worker-days, Local or Regional resident, residing at home	30769	24375	24271	79415	55%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	23044	19762	21630	64436	45%		
	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	21462	18205	21443	61110	N/A	N	N/A
	b) Total value (\$)	\$ 4,580,812	\$ 3,896,302	\$ 3,221,329	\$ 11,698,443	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 2022	N/A			40607	N/A	N/A	N/A
	b) August 2022				37531	N/A		
	c) September 2022				37016	N/A		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	%	(where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Apr-22	May-22	Jun-22					
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	1	0	1	2	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	862	864	808	845	N/A	Y (see Note 1)	Pipeline Contractor has worker transport strategies, using shuttles to transport workforce from staging areas. There are multiple staging areas to support efforts to transport workers to worksites daily, while some positions require a vehicle to complete their work between multiple sites.	
	End-month count	869	871	779	840	N/A			
	Average	866	868	794	842	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	760	689	716	722	N/A	N	N/A	
	End-month count	764	715	723	734	N/A			
	Average	762	702	720	728	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	7	7	4	18	100%	N	N/A	
	i. urgent	1	1	0	2	11%			
	ii. non-urgent	6	6	4	16	89%			
	iii. occupational	4	5	2	11	61%			
	iv. non-occupational	3	2	2	7	39%			
	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	85	67	68	220	100%	N	N/A	
	a) occupational	22	13	27	62	28%			
	b) non-occupational	63	54	41	158	72%			
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 During the Quarter		
	Apr-22	Total: 10 % Indigenous: 0 % Non-Indigenous: 100	Worker conduct - inappropriate conduct of flaggers and an additional worker on United Blvd	N/A	N/A
			The Worker Code of Conduct specifies that all workers are ambassadors of the Project, and it is important that the people living in the vicinity of the Project are treated with respect and consideration during the Project construction time frame. In this instance, the issue has been shared with the traffic management team for follow-up.		
	May-22	Total: 10 % Indigenous: 0 % Non-Indigenous: 100	Sensory disturbance - Project-related dust near Burnaby Terminal and in Fraser Heights		
			Trans Mountain will follow up on dust, light, noise 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. For example, dust control measures have been enacted, potential septic line damage is being investigated, and the speaker on Eastlake Dr has been muted.		
	Jun-22	Total: 8 % Indigenous: 0 % Non-Indigenous: 100	Sensory disturbance - Burnaby Terminal resident complained about light shining in window; noise from trucks in Meadowood and noise from a security speaker on Eastlake Dr near the Gaglardi Overpass		
			Sensory disturbance - vibration potentially causing damage to septic lines and other utilities along United Blvd.		
			Traffic – Project-related busses causing traffic delays on Greystone Drive		
			Traffic - lack of parking on Burbidge Street in Coquitlam and Hartley Ave as a result of Project-related workers parking; workers parking on residential streets near WMT		
			Traffic - Project-related trucks turning around in parking lot and staging in business parking lots along United Blvd. and along Hartley St and Faucett; shuttle busses blocking drop off and pick up zone at Lake City Way Skytrain Station		

	Month	Number, originating from the region	Common Socio-Economic Impact Themes During the Quarter			
			Traffic - Chip in windshield from rock and debris on United Blvd. and rocks causing vehicle tire puncture near Burnaby Terminal			
			Access Limitations - resident complained about bike lanes being blocked along Gagliardi and Bayview Dr. due to construction. Complaint regarding access under the Port Mann bridge			
			Business Impacts - Project-related truck blocking access to business on United Blvd			
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					
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 March 27 - June 25, 2022.
- 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 (842) is approximately 46% of the average workers on site per day (1844).