

Trans Mountain Expansion Project Socio-Economic Monitoring Report - Yellowhead Region

October to December 2021



Introduction

This report presents the quarterly socio-economic monitoring results for the Yellowhead 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, Yellowhead 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 \(CER Condition 13\)](#)

(the above links to the CER website where the SEEMP is filed)

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Project-Specific Indicators

Quantitative Indicators

Quantitative Indicators								
SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	% where applicable	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Oct-21	Nov-21	Dec-21				
N/A	Total calendar days of construction site work during the reporting cycle <i>(includes days of select site activity during the safety shut-down)</i>	30	24	24	78	N/A		N/A
	Workers on site per day (average)	923	1338	722	988	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	27684	32100	17318	77102	100%	N/A	N/A
	a) Worker-days, Local or Regional residents	6356	6112	3744	16212	21%		
	b) Worker-days, Other (workers not Local or Regional residents)	21328	25988	13574	60890	79%		
	c) Indigenous	2781	3065	1701	7547	10%		
	d) Non-Indigenous	24903	29035	15617	69555	90%		
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	27684	32100	17318	77102	100%	N	N/A
	a) Worker-days, Local or Regional resident, residing at home	2824	3194	1963	7981	10%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	24860	28906	15355	69121	90%		
	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	27463	31472	19264	78199	N/A	N	N/A
	b) Total value (\$)	\$ 4,801,942	\$ 5,441,601	\$ 3,320,224	\$ 13,563,767	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) January 2022	N/A			11650	N/A	N/A	
	b) February 2022				20901			
	c) March 2022				19606			

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	% where applicable	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Oct-21	Nov-21	Dec-21				
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	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	719	739	721	726	N/A	Y (see Note 1)	Pipeline contractor confirms they are using multi-passenger vehicles to transport workers for crews that have larger numbers of personnel working in the same area/vicinity. In some cases, there is no staging area separate from the worksite and/or vehicles are required for daily work.
	End-month count	704	724	667	698	N/A		
	Average	712	732	694	712	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	757	763	755	758	N/A	N	N/A
	End-month count	740	747	703	730	N/A		
	Average	749	755	729	744	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	0	1	0	1	N/A	N	N/A
	i. urgent	0	0	0	0	N/A		
	ii. non-urgent	0	1	0	1	N/A		
	iii. occupational	0	1	0	1	N/A		
	iv. non-occupational	0	0	0	0	N/A		
	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	1	1	0	2	N/A	N	N/A
	a) occupational	0	1	0	1	N/A		
	b) non-occupational	1	0	0	1	N/A		
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	Trans Mountain Response	N/A	N/A
	Oct-21	Total: 1 % Indigenous: 0 % Non Indigenous: 100%	Local Infrastructure/Services - sand potentially impacting resident's water filter near Hinton, worsening since Project construction began	Trans Mountain follows up on any landowner/resident complaints. In this instance, the concern was referred to the Lands department for followup with the individual.		
	Nov-21	Total: 2 % Indigenous: 0 % Non-Indigenous: 100%	Traffic/Access Limitations - Project-related construction equipment blocking access to residence and home based business near Wabamun Lake Traffic - Project-related boring under Highway 6 caused road to sink between Edson and Hinton	Trans Mountain will continue to follow up on traffic-related or access 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. In this instance, the crew will ensure they do not block access to homes and business in the future. A contractor has been hired to patch the area that is impacted on Highway 16 and they will continue to monitor.		
	Dec-21	Total: 2 % Indigenous: 0 % Non-Indigenous: 100%	Sensory disturbance - lighting, emissions and road debris from Project-related vehicles in Hinton Sensory disturbance - smoke from slash burning near Wabamun Lake	Trans Mountain will follow up on light, emissions, debris and smoke 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. With respect to the smoke, the slash pile was moved further away from the residence and the crew is taking additional measures to reduce the smoke.		
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>					
	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 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 September 26 - December 25, 2021.
- 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.
- For the threshold analysis for Indicator 1, the estimate of non-local/regional workers estimated in the WAS finished in August 2020. Therefore, as of September 2020 the threshold analysis for Indicator 1 will be N/A.
- 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.
- 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 (712) is approximately 72% of the average workers on site per day (988).