

Trans Mountain Expansion Project
Socio-Economic Monitoring Report - Coquihalla Hope Region
July to September 2023



Introduction

This report presents the quarterly socio-economic monitoring results for the Coquihalla Hope 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, Coquihalla Hope 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)

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
		Jul-23	Aug-23	Sep-23				
N/A	Total calendar days of construction site work during the reporting cycle	35	31	35	101	N/A	N/A	
	Workers on site per day (average)	1493	1561	1266	1435	N/A		
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: Number of non-local/regional workers by region/spread is +/- 20% different than estimated in Worker Accommodation Strategy CER Condition 59</i>							
	Total Worker-days	52249	48389	44320	144958	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	8503	8329	7288	24120	17%		
	b) Worker-days, Other (workers not Local or Regional residents)	43746	40060	37032	120838	83%		
	c) Indigenous	4312	4205	4103	12620	9%		
	d) Non-Indigenous	47937	44184	40217	132338	91%		
2	Number of worker-days in field (categorized by accommodation arrangements of the workers) <i>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.</i>							
	Total Worker-days	52249	48389	44320	144958	100%	N (see Note 2)	N/A
	a) Worker-days, Local or Regional resident, residing at home	5111	5255	4593	14959	10%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	39496	38082	25357	102935	71%		
	c) Worker days, not Local or Regional resident, staying in TMEP camps	7642	5052	14370	27064	19%		
3	Living out allowance or related stipend <i>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.</i>							
	a) Number of worker-days paid	45491	43710	36997	126198	N/A	N (see Note 3)	N/A
	b) Total value (\$)	\$ 8,119,095	\$ 7,772,985	\$ 7,041,295	\$ 22,933,375	N/A		
5	Number of worker-days, in field - anticipated in next business quarter <i>Threshold for Action: N/A - this is a forward indicator to assist stakeholders and Indigenous groups in community readiness.</i>							
					Worker days	Workers onsite per day (avg)		
	a) October 2023	N/A			36101	1389	N/A	N/A
	b) November 2023				30763	1183		
	c) December 2023				20944	806		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	% (where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Jul-23	Aug-23	Sep-23				
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: No minimum threshold. All incidents/accidents will be investigated.</i>							
	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: Number, when calculated as a % of total workers on site (average during the month of the count) is less than 75%.</i>							
	Mid-month count	1108	923	656	896	N/A	Y (See Note 4)	Pipeline Contractor has worker transport strategies including passenger vans and a bus to transport workers from the Ohamil camp to the Popkum yard, as well as to the field.
	End-month count	1060	1025	736	940	N/A		
	Average	1084	974	696	918	N/A		
8	Personal vehicles in staging area per day (average) <i>Threshold for Action: 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.</i>							
	Mid-month count	867	804	561	744	N/A	N (See Note 5)	N/A
	End-month count	893	806	572	757	N/A		
	Average	880	805	567	751	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: Qualitative feedback from local health authority regarding capacity concerns.</i>							
	a) Total number of times a worker was referred or sent to local health facilities	4	3	48	55	N/A	N (See Note 6)	N/A
	i. urgent	0	1	30	31	N/A		
	ii. non-urgent	4	2	18	24	N/A		
	iii. occupational	1	0	2	3	N/A		
	iv. non-occupational	3	3	46	52	N/A		
	b) Total number of times a worker required ambulance or other emergency transport	0	1	10	11	N/A		
10	Number of medical visits to Project on-site medical facilities <i>Threshold for Action: Number, when calculated as a percentage of average number of workers per month rises from the previous reporting cycle.</i>							
	Total	64	36	67	167	N/A	N (See Note 7)	N/A
	a) occupational	14	5	11	30	N/A		
	b) non-occupational	50	31	56	137	N/A		
14	Number of people affected by a notifiable disease in a work camp <i>Threshold for Action: No minimum threshold; all notifiable diseases will be reported to the local health authority</i>							
	Total	0	1	10	11	N/A	N/A	N/A

Qualitative Indicators

SEEMP Indicator No.	Indicator	Threshold Triggered? Y/N	If Threshold Triggered, Action Taken																
4	<p>Qualitative feedback about Project use of local/regional commercial accommodation (e.g., hotels, motels, campgrounds)</p> <p><i>Threshold for Action: Qualitative feedback received about adverse issues from local authorities, tourism/hotel associations or hotels used by Contractor.</i></p>																		
	None	N	N/A																
11	<p>Number and types of calls/complaints received through TMEP feedback line (about construction-related social impacts)</p> <p><i>Threshold for Action: There is no threshold for action as all grievances will be responded to.</i></p>																		
	<table border="1"> <thead> <tr> <th data-bbox="191 384 554 444">Month</th> <th data-bbox="558 384 877 444">Number, originating from the region</th> <th colspan="2" data-bbox="882 384 1446 444">Common Socio-Economic Impact Themes During the Quarter</th> </tr> </thead> <tbody> <tr> <td data-bbox="191 448 554 735">Jun-23</td> <td data-bbox="558 448 877 735"> Total: 3 % Indigenous: 0 % Non-Indigenous: 100 </td> <td data-bbox="882 448 1108 735"> Traffic/Driving - Project-related trucks parking on a residential street in Hope; street sweeper speed in Hope; Project-related traffic in Hope; uncovered dump trucks travelling on Kettle Valley Road. </td> <td data-bbox="1113 448 1446 735"> Trans Mountain will continue to follow up on any traffic-related concerns. Contractors have a Traffic Management Plan that addresses public protection measures, access roads/routes to the construction site and Traffic Control Plans for each work zone which consider potential impacts with mitigation. Trans Mountain follows with the contractor to ensure traffic-related requirements are being met. Each complaint is examined in order to provide additional information and/or appropriate follow-up. In these instances, Trans Mountain followed up with contractors. </td> </tr> <tr> <td data-bbox="191 738 554 854">Jul-23</td> <td data-bbox="558 738 877 854"> Total: 2 % Indigenous: 0 % Non-Indigenous: 100 </td> <td data-bbox="882 738 1108 854"> Sensory disturbance - alleged Project-related vibration on Kettle Valley Road causing damage to residents home; Hope resident </td> <td data-bbox="1113 738 1446 854"> Trans Mountain will follow up on dust and vibration complaints to confirm their relation to Project activity and works with stakeholders to resolve and address complaints where practical. Trans Mountain is working to ensure compliance with bylaws and requirements. All damage claims are investigated. </td> </tr> <tr> <td data-bbox="191 857 554 1052">Aug-23</td> <td data-bbox="558 857 877 1052"> Total: 3 % Indigenous: 0 % Non-Indigenous: 100 </td> <td data-bbox="882 857 1108 1052"> concern about Project-related dust; Kawakwa Lake Road resident concern about vibration impacting home; Project-related dust and mud in Hope. </td> <td data-bbox="1113 857 1446 1052"></td> </tr> </tbody> </table>	Month	Number, originating from the region	Common Socio-Economic Impact Themes During the Quarter		Jun-23	Total: 3 % Indigenous: 0 % Non-Indigenous: 100	Traffic/Driving - Project-related trucks parking on a residential street in Hope; street sweeper speed in Hope; Project-related traffic in Hope; uncovered dump trucks travelling on Kettle Valley Road.	Trans Mountain will continue to follow up on any traffic-related concerns. Contractors have a Traffic Management Plan that addresses public protection measures, access roads/routes to the construction site and Traffic Control Plans for each work zone which consider potential impacts with mitigation. Trans Mountain follows with the contractor to ensure traffic-related requirements are being met. Each complaint is examined in order to provide additional information and/or appropriate follow-up. In these instances, Trans Mountain followed up with contractors.	Jul-23	Total: 2 % Indigenous: 0 % Non-Indigenous: 100	Sensory disturbance - alleged Project-related vibration on Kettle Valley Road causing damage to residents home; Hope resident	Trans Mountain will follow up on dust and vibration complaints to confirm their relation to Project activity and works with stakeholders to resolve and address complaints where practical. Trans Mountain is working to ensure compliance with bylaws and requirements. All damage claims are investigated.	Aug-23	Total: 3 % Indigenous: 0 % Non-Indigenous: 100	concern about Project-related dust; Kawakwa Lake Road resident concern about vibration impacting home; Project-related dust and mud in Hope.		N/A	N/A
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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	Threshold Triggered? Y/N	If Threshold Triggered, Action Taken
	Traffic/Driving <i>(Individual)</i>	Truck traffic on Acacia Drive in Hope.	Trans Mountain will continue to follow up on road and traffic-related complaints to confirm their relation to Project activity. 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 will work with stakeholders to resolve and address such complaints where practical.	N	
	Environmental Issue <i>(Individual)</i>	Complaint about reclamation in Hope.	Trans Mountain will follow-up on community concerns related to reclamation environmental issues. Environmental mitigation measures are outlined in Project Environmental Protection Plans. In this instance, a Land Agent was sent to investigate.	N	
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 June 25, 2023 - September 30, 2023.
- 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/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.
- For the threshold analysis for Indicator 1, the estimate of non-local/regional workers estimated in the WAS finished in May 2020. While calculations comparing indicator 1 to the estimated workforce in the original WAS are no longer possible due the longer construction timeline, Trans Mountain continues to respond like the threshold for action has been triggered and share forward workforce estimates.
- Indicator 5 includes active Construction contractors only.
- Data may be subject to revisions based on updates from Contractors or ongoing quality reviews.

Quantitative Threshold Analysis Notes:

1. For Indicator 1, data is not available. Construction workforce continues beyond Worker Accommodation Strategy predicted timeframe.
2. For Indicator 2, no adverse feedback was received from local authorities or tourism/hotel associations; therefore, the threshold has not been triggered.
3. For Indicator 3, there was an increase in the number of worker-days paid for indicator 3a from the previous reporting cycle (quarterly total) but no adverse feedback was received from local authorities or tourism/hotel associations; therefore, the threshold has not been triggered.
4. For Indicator 7, the average workers transported from staging areas per day (918) is approximately 64% of the average workers on site per day (1435); therefore, the threshold has been triggered.
5. For Indicator 8, the personal vehicles in the staging area per day (average) was less than 10 % of the AADT values at locations nearest to staging yards; therefore, the threshold has not been triggered.
6. For Indicator 9, no feedback was received from the local health authority regarding capacity concerns; therefore, the threshold has not been triggered.
7. For Indicator 10, the total as a percentage of average number of workers per month reflected as workers on site per day (average over quarter) (11.6%), is unchanged from previous reporting cycle (11.6%); therefore, the threshold has not been triggered.