

# Trans Mountain Expansion Project Socio-Economic Monitoring Report - Coquihalla Hope Region

January to March 2023 (Rev 1)



## 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)

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## Project-Specific Indicators

### Quantitative Indicators

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	% (where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Jan-23	Feb-23	Mar-23				
N/A	Total calendar days of construction site work during the reporting cycle	24	24	24	72	N/A	N/A	
	Workers on site per day (average)	1157	2472	3328	2319	N/A		
1	<b>Number of worker-days in field (categorized in two ways: by geographic origin, and also by Indigenous v. non-Indigenous status)</b> <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>							
	<b>Total Worker-days</b>	<b>27779</b>	<b>59331</b>	<b>79860</b>	<b>166970</b>	100%	Y Data not available; construction workforce continues beyond Worker Accommodation Strategy predicted timeframe	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	2480	14285	17491	34256	21%		
	b) Worker-days, Other (workers not Local or Regional residents)	25299	45046	62369	132714	79%		
	c) Indigenous	1410	6282	7673	15365	9%		
	d) Non-Indigenous	26369	53049	72187	151605	91%		
2	<b>Number of worker-days in field (categorized by accommodation arrangements of the workers)</b> <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>							
	<b>Total Worker-days</b>	<b>27779</b>	<b>59331</b>	<b>79860</b>	<b>166970</b>	100%	N	N/A
	a) Worker-days, Local or Regional resident, residing at home	2418	7283	8976	18677	11%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	19051	44863	62169	126083	76%		
	c) Worker days, not Local or Regional resident, staying in TMEP camps	6310	7185	8715	22210	13%		
3	<b>Living out allowance or related stipend</b> <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	22456	48026	48026	118508	N/A	N	N/A
	b) Total value (\$)	\$ 3,838,235	\$ 8,557,527	\$ 10,206,457	\$ 22,602,219	N/A		
5	<b>Number of worker-days, in field - anticipated in next business quarter</b> <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) April 2023	N/A			52539	2021	N/A	N/A
	b) May 2023				54979	2115		
	c) June 2023				60426	2324		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	% (where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Jan-23	Feb-23	Mar-23				
6	<b>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</b> <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	<b>Workers transported from staging areas per day (average)</b> <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	528	1703	1928	1386	N/A	Y (see Note 1)	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	526	1745	1961	1411	N/A		
	Average	527	1724	1945	1399	N/A		
8	<b>Personal vehicles in staging area per day (average)</b> <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	336	871	1097	768	N/A	N	N/A
	End-month count	367	887	1132	795	N/A		
	Average	352	879	1115	782	N/A		
9	<b>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)</b> <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	43	4	8	55	N/A	N	N/A
	i. urgent	28	4	6	38	N/A		
	ii. non-urgent	15	0	2	17	N/A		
	iii. occupational	5	0	0	5	N/A		
	iv. non-occupational	38	4	8	50	N/A		
	b) Total number of times a worker required ambulance or other emergency transport	3	2	1	6	N/A		
10	<b>Number of medical visits to Project on-site medical facilities</b> <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	60	35	53	148	N/A	Y	Camp contractor has confirmed on site medical services are adequate to support Project needs.
	a) occupational	16	7	14	37	N/A		
	b) non-occupational	44	28	39	111	N/A		
14	<b>Number of people affected by a notifiable disease in a work camp</b> <i>Threshold for Action: No minimum threshold; all notifiable diseases will be reported to the local health authority</i>							
	Total	0	0	15	15	N/A	N/A	N/A

**Qualitative Indicators**

SEEMP Indicator No.	Indicator			Threshold Triggered? Y/N	If Threshold Triggered, Action Taken
4	<b>Qualitative feedback about Project use of local/regional commercial accommodation (e.g., hotels, motels, campgrounds)</b> <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	<b>Number and types of calls/complaints received through TMEP feedback line (about construction-related social impacts)</b> <i>Threshold for Action: There is no threshold for action as all grievances will be responded to.</i>				
	<b>Month</b>	<b>Number, originating from the region</b>	<b>Common Socio-Economic Impact Themes During the Quarter</b>	N/A	N/A
	Jan-23	Total: 6 % Indigenous: 0 % Non-Indigenous: 100	Traffic/Driving - Project-related trucks driving conduct on Kettle Valley Road.  Access - Hope resident driveway blocked by construction		
	Feb-23	Total: 2 % Indigenous: 0 % Non-Indigenous: 100	Access - Hope resident driveway blocked by construction  Sensory disturbance - dust and mud on Halvorson Rd near Popkum yard; dirt causing dust on roadways in Hope; alleged driveway cracked due to vehicle vibration; trucks idling; dirt on houses; noise from construction/blasting.		
	Mar-23	Total: 5 % Indigenous: 0 % Non-Indigenous: 100	Sensory disturbance - dust and mud on Halvorson Rd near Popkum yard; dirt causing dust on roadways in Hope; alleged driveway cracked due to vehicle vibration; trucks idling; dirt on houses; noise from construction/blasting.		
			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.		
			Trans Mountain will continue to follow up on any access-related concerns. Each complaint is examined in order to provide additional information and/or appropriate follow-up. In this instance, construction and traffic teams will ensure access to the driveway is not blocked.		

12	<b>Qualitative feedback themes about community concerns and experienced social effects</b> <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	<b>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</b> <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 January 1, 2023 - March 25, 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/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. 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.

### Notes

1. For the threshold analysis for Indicator 7, the average workers transported from staging areas per day (1399) is approximately 60% of the average workers on site per day (2319).