

**Trans Mountain Expansion Project**  
**Socio-Economic Monitoring Report - Coquihalla Hope Region**  
 January to March 2022



**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.

*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)*

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
		Jan-22	Feb-22	Mar-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)	722	1117	1507	1085	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	21666	26812	36176	84654	100%	N/A	N/A
	a) Worker-days, Local or Regional residents	5095	5531	6418	17044	20%		
	b) Worker-days, Other (workers not Local or Regional residents)	16571	21281	29758	67610	80%		
	c) Indigenous	2627	2797	3189	8613	10%		
	d) Non-Indigenous	19039	24015	32987	76041	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	21666	26812	36176	84654	100%	N	N/A
	a) Worker-days, Local or Regional resident, residing at home	2152	2408	3219	7779	9%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	12350	18432	25933	56715	67%		
	c) Worker days, not Local or Regional resident, staying in TMEP camps	7164	5972	7024	20160	24%		
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	5253	7518	13942	26713	N/A	N	N/A
	b) Total value (\$)	\$ 2,464,512	\$ 2,929,163	\$ 1,041,278	\$ 6,434,953	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) April 2022	N/A			33028	N/A	N/A	N/A
	b) May 2022				35476	N/A		
	c) June 2022				37909	N/A		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	% (where applicable)	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Jan-22	Feb-22	Mar-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: No minimum threshold. All incidents/accidents will be investigated.</i>							
	Total	0	1	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: 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	407	601	21	343	N/A	Y (see Note 1)	Pipeline Contractor has initiated worker transport strategies, using 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	501	592	23	372	N/A		
	Average	454	597	22	358	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	599	1476	1495	1190	N/A	N	N/A
	End-month count	655	1480	1500	1212	N/A		
	Average	627	1478	1498	1201	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	3	6	2	11	N/A	N	N/A
	i. urgent	0	5	2	7	N/A		
	ii. non-urgent	3	1	0	4	N/A		
	iii. occupational	0	1	0	1	N/A		
	iv. non-occupational	3	5	2	10	N/A		
	b) Total number of times a worker required ambulance or other emergency transport	0	1	0	1	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	786	399	127	1312	N/A	Y	Camp contractor has confirmed on site medical services are adequate to support Project needs.
	a) occupational	3	11	12	26	N/A		
	b) non-occupational	783	388	115	1286	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	14	8	0	22	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		N/A	N/A
	Jan-22	Total: 2 % Indigenous: 0 % Non-Indigenous: 100	Access - Bike trail closures around District of Hope.	Trans Mountain will continue to follow up on any access-related or business impact concerns. Each complaint is examined in order to provide additional information and/or appropriate follow-up. In this instance the matting has been trimmed and a smooth edge to the path has been created. Also, additional signage will be provided to help guide cyclists and pedestrians in this area.		
			Business Impacts - Waste management company access limitations due to congestion on Flood Hope Road.	Trans Mountain will continue to follow up on any traffic-related or business impact 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. For example, regarding the business impacts, the Trans Mountain construction team and flaggers are aware waste trucks should be let through.		
			Traffic - rock from alleged Project-related truck causing vehicle damage; truck traffic along Laidlaw Road.			
	Feb-22	Total: 1 % Indigenous: 0 % Non-Indigenous: 100	Worker conduct - Laidlaw resident concern about workers not following Covid-19 protocols.	In response to the evolving COVID-19 pandemic, Trans Mountain and construction contractors continue to work diligently adhere to all advice and direction from government and health officials. Health and Safety personnel frequently monitor for compliance on sites. For more information on Trans Mountain's COVID response: <a href="https://www.transmountain.com/covid19">https://www.transmountain.com/covid19</a> . Trans Mountain Security reached out for further information to investigate.		
	Mar-22	Total: 7 % Indigenous: 0 % Non-Indigenous: 100	Sensory - Laidlaw area vibration impacts to house foundation; noise and vibration from sheet piling and pile driving.	Trans Mountain will follow up on vibration and noise 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.		

12	<b>Qualitative feedback themes about community concerns and experienced social effects</b> <b>Threshold for Action:</b> Adverse socio-economic issue or concern from an appropriate government authority or service provider or community organization.				
	<b>Theme</b>	<b>Impact Overview</b>	<b>Trans Mountain Response</b>		
	Sensory (raised by one individual)	Lighting in the Laidlaw neighbourhood	Trans Mountain will follow up on lighting 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. ☒	N	N/A
	Traditional Use (raised by Chawathil First Nation)	Workers potentially using local fishing areas	Trans Mountain Code of Conduct requires that worker use and enjoyment of the environment when off-duty must be done in full compliance with all laws and regulations. Project workers are prohibited from hunting, fishing, trapping and gathering plants within or along the right-of-way and at other construction sites. Fishing equipment, snow mobiles and all-terrain vehicles not used for work are prohibited at worksites and in work vehicles. No particular location or incident was noted.	N	N/A
	Access, Business Impacts (raised by one resident on behalf of their business)	Vehicle access limited on Road 64	Trans Mountain will continue to follow up on any access or business impact concerns. Each complaint is examined in order to provide additional information and/or appropriate follow-up. For example, regarding the business impacts, the Trans Mountain construction team and flaggers are aware garbage trucks are to be let through.	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> <b>Threshold for Action:</b> 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.				
	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 December 26, 2021 to March 26, 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 (358) is approximately 33% of the average workers on site per day (1085).