

Trans Mountain Expansion Project Socio-Economic Monitoring Report - North Thompson Region

January to March 2023



Introduction

This report presents the quarterly socio-economic monitoring results for the North Thompson 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, North Thompson 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)	2542	2416	2651	2537	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	61002	57994	63632	182628	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	21396	19774	22300	63470	35%		
	b) Worker-days, Other (workers not Local or Regional residents)	39626	38220	41332	119178	65%		
	c) Indigenous	5439	4891	4850	15180	8%		
	d) Non-Indigenous	55563	53102	58782	167447	92%		
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	61002	57994	63632	182628	100%	N	N/A
	a) Worker-days, Local or Regional resident, residing at home	4705	2722	2059	9486	5%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	36263	38894	43761	118918	65%		
	c) Worker days, not Local or Regional resident, staying in TMEP camps	20034	16378	17812	54224	30%		
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	38864	41536	46865	127265	N/A	N	N/A
	b) Total value (\$)	\$ 7,365,581	\$ 7,930,309	\$ 8,982,767	\$ 24,278,657	N/A		

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				
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 per day (avg) Forecast			
	a) April 2023	N/A		45626	1755	N/A	N/A	N/A
	b) May 2023			31643	1217			
	c) June 2023			22845	879			
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	2	5	1	8	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	1843	1743	1792	1793	N/A	Y (See Note 1)	Pipeline construction contractor confirmed that there are options for workers to take shuttles from the Valemount yard to work areas, and there are also company crew vehicles/trucks that transport workers out to sites. Some workers are carpooling directly from accommodations in the community, which reduces the number of vehicles in staging areas. In Clearwater area, there is no yard for marshalling for Spread 3/4a, and so arrangements have been made for but hotel pickups in Clearwater and workers are driven straight out to their work front for morning meetings.
	End-month count	1838	1572	1733	1714	N/A		
	Average	1841	1658	1763	1754	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	1786	1420	1456	1554	N/A	N	N/A
	End-month count	1801	1279	1407	1496	N/A		
	Average	1794	1350	1432	1525	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	29	20	18	67	N/A	N	N/A
	i. urgent	17	11	13	41	N/A		
	ii. non-urgent	12	9	5	26	N/A		
	iii. occupational	12	7	6	25	N/A		
	iv. non-occupational	17	13	12	42	N/A		
	b) Total number of times a worker required ambulance or other emergency transport	1	4	4	9	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	261	163	142	566	N/A	N	N/A
	a) occupational	104	38	66	208	N/A		
	b) non-occupational	157	125	76	358	N/A		

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				
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	1	1	1	3	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/A	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		Threshold Triggered? Y/N	If Threshold Triggered, Action Taken
	Jan-23	Total: 3 % Indigenous: 0 % Non-Indigenous: 100	Sensory Disturbance - sheet piling noise near the Canoe River Campground; noise and light from construction in Blue River and Avola.	Trans Mountain will follow up on 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. In this instance, work is now complete near the Canoe River Campground and was to be completed shortly in Avola.	N/A	N/A
			Traffic/Driving - local resident complained about driving habits of Project-related workers in Blue River.	Trans Mountain will continue to follow up on traffic-related 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 or provides information to the public as required. In this instance, the contractor has been made aware of the incident and has reminded crews of safe driving practices and that all road laws and requirements must be obeyed.		
	Feb-23	Total: 2 % Indigenous: 0 % Non-Indigenous: 100	Water use - Valemount resident concern about construction impacts on well.	Trans Mountain will follow up on land owner complaints received to confirm their relation to Project activity, with a Lands team representative reaching out to the resident directly.		

	Mar-23	Total: 3 % Indigenous: 0 % Non-Indigenous: 100	Recreation - Recreation business concern regarding drones flying near loaded helicopters; individual recreation trail user safety concern regarding Trans Mountain piling dirt and creating a steep slope snow bank.	Trans Mountain will follow up with stakeholders to resolve and address Project complaints where practical. In this instance, concern regarding drones was brought to Health and Safety for investigation. It was confirmed the stakeholder was snowmobiling where they should not have been and signage is in place to alert stakeholders that the area is an active right-of-way.	N/A	N/A
			Worker conduct - Valemount resident complained about worker conduct at the post office.	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. Complaints regarding off-duty worker conduct in community are investigated internally to determine appropriate disciplinary action.	N/A	N/A
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.					
	Theme	Impact Overview	Trans Mountain Response		Threshold Triggered? Y/N	If Threshold Triggered, Action Taken
	Sensory Disturbance (Northern Health, Village of Valemount)	Project vehicles idling and impacts on air quality in Valemount.	Trans Mountain will follow up on sensory disturbance 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. Trans Mountain shares the concern about air quality and any potential impact on the Valemount community or Trans Mountain workforce who live and work in the region.		Y	Trans Mountain issued a related Safety Bulletin to workers on site, as well as discussing anti-idling behaviours with supervisors at a meeting.
	Sensory Disturbance (Thompson Nicola Regional District, TNRD)	Construction related noise near Blue River.			Y	Trans Mountain provided TNRD with an update on the construction schedule and timeline. Trans Mountain undertook additional local notifications regarding upcoming construction activity.
	Community Infrastructure and Services (District of Clearwater)	Road impacts	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. Trans Mountain will work to adhere to the requirements of road use permits.		Y	Trans Mountain plans to discuss road assessments and repairs after summer work is complete, as there will still be heavy trucks on the road through this period.
	Community Infrastructure and Services (Village of Valemount)	Impacts to local services related to presence of Project workers and Valemount camp community. Impacts to Village roads.	Trans Mountain will work with stakeholders to resolve and address complaints directly attributable to the Project where practical. Trans Mountain seeks to understand specific out-of-pocket public infrastructure costs incurred by the Village of Valemount directly attributable to the Project. Trans Mountain will work to adhere to the requirements of road use permits required for designated access roads required for construction. No permit was required for general use of community roads.		Y	Trans Mountain will review and respond to any proposal received from the Village of Valemount related to incurred public infrastructure costs. Trans Mountain will work with the Village of Valemount to provide increased frequency of communication to the Village of Valemount on construction updates and timelines (e.g., monthly Project updates and periodic verbal check-ins), including estimated workforce numbers.
	Worker Conduct (Village of Valemount)	Workforce conduct in Valemount (general)	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. Complaints regarding off-duty worker conduct in community are investigated internally to determine appropriate disciplinary action.		Y	The Contractor included reminders about respectful interactions and personal conduct in two Daily Safety Bulletins. Contractor also included reminder information about Family Assistance Programs and Project Counsellor Services.
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 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/A	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 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/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 September 2021. 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, as estimated at the end of the reporting quarter.
- 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 (1754) is approximately 69% of the average workers on site per day (2537).