

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

October to December 2021 (Rev 1 - Updated May 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.

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
		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 shutdown)</i>	30	24	24	78	N/A	N/A	
	Workers on site per day (average)	1898	1882	2282	2011	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	56928	45165	54774	156867	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	16675	14815	16859	48349	31%		
	b) Worker-days, Other (workers not Local or Regional residents)	40253	30350	37915	108518	69%		
	c) Indigenous	7655	4854	7887	20396	13%		
	d) Non-Indigenous	49273	40311	46887	136471	87%		
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	56928	45165	54774	156867	100%	Y	Trans Mountains continues to engage with the Village of Valemount to cooperatively identify and implement available solutions on issues related to presence of temporary workforce residing in the community. Trans Mountain continues to share information about its workforce to facilitate community readiness and business planning. Trans Mountain's Blue River Camp Community is anticipated to open in early February 2022. This, in combination with the Valemount camp, will see a total of 1150 beds for the Trans Mountain workforce in the North Thompson region and reduce housing needs in the Valemount area. The workforce in the Valemount area is anticipated to be declining in the coming months as the focus of construction moves south.
	a) Worker-days, Local or Regional resident, residing at home	6353	2431	6274	15058	10%		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	30162	31695	29588	91445	58%		
	c) Worker days, not Local or Regional resident, staying in TMEP camps	20413	11039	18912	50364	32%		
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	30392	27493	31108	88993	N/A	N	N/A
	b) Total value (\$)	\$ 5,731,830	\$ 5,163,335	\$ 5,921,197	\$ 16,816,362	N/A		

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				
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>							
	a) January 2022	N/A		89575	N/A	N/A	N/A	
	b) February 2022		66381					
	c) March 2022		51941					
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	0	0	2	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	1630	1644	2330	1868	N/A	N	N/A
	End-month count	1883	1699	51	1211	N/A		
	Average	1757	1672	1191	1540	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	266	77	448	264	N/A	N	N/A
	End-month count	370	54	28	151	N/A		
	Average	318	66	238	207	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	8	16	18	42	N/A	N	N/A
	i. urgent	3	6	10	19	N/A		
	ii. non-urgent	5	10	8	23	N/A		
	iii. occupational	3	6	4	13	N/A		
	iv. non-occupational	5	10	14	29	N/A		
	b) Total number of times a worker required ambulance or other emergency transport	0	1	1	2	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	284	317	1508	2109	N/A	Y	Threshold is triggered due to an increased numbers of COVID-19 related interactions, such as follow-ups for individuals in isolation and individuals ready to return to regular duties. Camp Contractor is continuing to evaluate on-site medical services to ensure they are adequate to support Project needs, including adding additional clinic personnel. Camp Contractor added a roving nurse to move between Camp Occupational Health Clinics as needed to augment service capacity.
	a) occupational	19	32	43	94	N/A		
	b) non-occupational	265	285	1465	2015	N/A		

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				
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	4	3	11	18	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>					
	Village of Valemount	Worker use of hotels in Valemount potentially affecting hotel tourism tax revenues.	Y	Trans Mountains continues to engage with the Village of Valemount to cooperatively identify and implement any available solutions on issues related to presence of temporary workforce residing in the community. Trans Mountain continues to share information about its workforce to facilitate community readiness and business planning. Trans Mountain's Blue River Camp Community is anticipated to open in early February 2022. This, in combination with the Valemount camp, will see a total of 1150 beds for the Trans Mountain workforce in the North Thompson region and reduce housing needs in the Valemount area. The workforce in the Valemount area is anticipated to be declining in the coming months as the focus of construction moves south.		
	Valemount hotelier	Worker conduct regarding Covid protocols in the hotel	Y	Trans Mountain followed up with the hotel representative to confirm Covid protocols for quarantining personnel and the requirement for workers to notify the hotel service provider regarding the isolation. Trans Mountain's COVID Rapid Response Form used in the event of presumptive positive cases includes the requirement to notify the service provider involved in isolation arrangements.		
	Regional District of Fraser Fort George (RDFFG)	Impacts on housing in Valemount	Y	See response above.		
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
	Oct-21	Total: 2 % Indigenous: 0 % Non-Indigenous: 100	Worker Conduct - Project-related worker inappropriate verbal conduct at Valemount restaurant.	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. Trans Mountain Security has reached out to the restaurant for further information and will be investigating appropriate disciplinary actions.	N/A	N/A
			Traffic - concern about increased traffic along Lemieux Creek Road, specifically large trucks navigating narrow curves.	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.		
	Nov-21	Total: 4 % Indigenous: 0 % Non-Indigenous: 100	Traffic - Resident complained that their windshield was cracked due to rocks on the road related to			

	Month	Number, originating from the region	Common Socio-Economic Impact Themes During the Quarter		Threshold Triggered? Y/N	If Threshold Triggered, Action Taken
			Housing/Accommodation - Clearwater neighbour difficulty finding hotel rooms for tournament due to use by Project workers.	Prior to the start of construction, Trans Mountain undertook extensive community consultation in the North Thompson, including in the District of Clearwater. Through discussions, a balance was struck to have a 550 person full service camp community in Clearwater, as well as utilizing commercial accommodations, e.g., hotels, motels and RV sites, and local private accommodations, e.g., rental units. The Clearwater camp community is being utilized to capacity and the balance of the workforce is using local accommodation as requested to support the community during a time when there is traditionally a higher vacancy rate and during the downturn due to the COVID-19 pandemic. In response to this query, Trans Mountain met with District of Clearwater (DoC) staff to review upcoming tournament schedules and provide Project worker projections. Trans Mountain inquired if local accommodation providers were providing feedback to the DoC wanting to free up rooms in order to host local tournaments. DoC indicated no consultation had been done with local accommodation providers. No further discussion occurred on this topic as two days later the Province of British Columbia halted all sports tournaments due to COVID-19.	N/A	N/A
			Sensory - Project-related noise and lighting from construction-related activities at the Valemount stockpile site.	Trans Mountain will follow up on noise and light 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.		
	Dec-21	Total: 1 % Indigenous: 0 % Non-Indigenous: 100	Access - Property owner indicating Project-related snow removal had blocked the entrance to their road.	Trans Mountain will continue to follow up on access-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. In this instance, Trans Mountain contacted the owner and confirmed that snow had been piled and uncleared in front of the property and worked to resolve the issue.		
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	
			Sensory - lighting and viewpoint obstruction (one complaint from individual)	Valemount camp lighting, signage obscuring driver views.	Trans Mountain will follow up on light 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, the camp manager has advised that the lighting has been turned off and the security team have moved the signs closer to the road entry point as to not obscure any viewpoints.	N N/A
			Worker Conduct (one complaint from an Indigenous community)	Worker making racialized remarks at Barriere gas station.	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. In this instance, while no additional information was provided regarding details of the complainant, Trans Mountain followed up the General Construction Contractor about the general complaint. GCC tool box talk focusing on worker conduct and respectful behaviour were undertaken as a reminder of conduct expectations for all workers.	Y Trans Mountain followed up with the General Construction Contractor about the general complaint. GCC tool box talk focusing on worker conduct and respectful behaviour were undertaken as a reminder of conduct expectations for all workers.
			Local Infrastructure and Services (feedback from Village of Valemount and Regional District of Fraser Fort George)	Worker presence in Valemount impacts on waste disposal, parking impacts on snow removal, grocery supply, and hotel tax revenue.	Trans Mountains continues to engage with the Village of Valemount to cooperatively identify and implement any available solutions on issues related to presence of temporary workforce residing in the community. Trans Mountain's Blue River Camp Community is anticipated to open in early February 2022. This, in combination with the Valemount camp, will see a total of 1150 beds for the Trans Mountain workforce in the North Thompson region and reduce housing needs in the Valemount area. The workforce in the Valemount area is anticipated to be declining in the coming months as the focus of construction moves south.	Y Trans Mountain and its contractor are working with the Village and Regional District on additional management strategies, including distributing the community newsletter to the workforce to share information on waste rules and snow removal rules related to overnight parking in town; exploring support for additional waste management measures; facilitating information flow between Village administration and the local grocery supplier regarding storage needs; and seeking clarification from the Village and Tourism Valemount on tax revenue collection requirements as this is not an action that can be remedied by Trans Mountain.

	Theme	Impact Overview	Trans Mountain Response	Threshold Triggered? Y/N	If Threshold Triggered, Action Taken
	Traffic <i>(feedback from an Indigenous community)</i>	Observation of traffic.	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.	Y	In this circumstance, the community representative noted traffic is there but cannot be helped, and no action or followup was requested. At the time, Trans Mountain concluded this was a general observation and no followup or action was taken specific to the comment. Trans Mountain continued to engage with the community and monitor for any traffic-related concerns. At a recent roundtable discussion with the Indigenous group (May 3, 2023) there were no traffic issues raised.
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 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.
- 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 September 2021. While calculations comparing indicator 1 to the estimated workforce in the original WAS are no longer possible due to 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.