

Trans Mountain Expansion Project

Socio-Economic Monitoring Report - Lower Mainland Region

April to June 2018 (Issue 3)



Introduction

This report presents the quarterly socio-economic monitoring results for the Lower Mainland 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 National Energy Board (NEB) pursuant to NEB 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, Lower Mainland for the regional context indicators that reflect the broader socio-economic conditions in which Project construction is occurring.

[Socio-Economic Effects Monitoring Plan \(NEB Condition 13\)](#)

(the above links to the NEB website where the SEEMP is filed)

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Project-Specific Indicators

Quantitative Indicators

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Apr-18	May-18	Jun-18			
N/A	Total calendar days of construction work during the reporting cycle	29	29	26	84	N/A	
	Workers on site per day (average)	120	62	93	79		
1	Number of worker-days in field (categorized in two ways: by geographic origin, and also by Aboriginal v. non-Aboriginal status) <i>Threshold for Action: Number of non-local/regional workers by region/spread is +/- 20% different than estimated in Worker Accommodation Strategy NEB Condition 59</i>						
	Total Worker-days	2435	1802	2439	6676	Y	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	1750	1702	1737	5189		
	b) Worker-days, Other (workers not Local or Regional residents)	685	100	702	1487		
	c) Aboriginal	332	34	465	831		
	d) Non-Aboriginal	2102	1768	1974	5844		
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	2435	1802	2439	6676	N	N/A
	a) Worker-days, Local or Regional resident, residing at home	1746	1702	1746	5194		
	b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)	689	100	693	1482		
	c) Worker days, not Local or Regional resident, staying in TMEP camps	0	0	0	0		
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	921	442	452	1815	N	There is a decrease in the number of worker days paid from the previous reporting cycle; there is no qualitative feedback about adverse issues from local authorities or tourism/hotel associations.
	b) Total value (\$)	\$ 114,967	\$ 53,206	\$ 56,868	\$ 225,041		
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 Aboriginal groups in community readiness.</i>						
	a) July 2018	N/A			2736	N/A	N/A
	b) August 2018				3593		
	c) September 2018				6158		

SEEMP Indicator No.	Indicator	Monthly Total			Quarterly Count	Threshold Triggered? (Y/N)	If Threshold Triggered, Action Taken
		Apr-18	May-18	Jun-18			
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:</i> No minimum threshold. All incidents/accidents will be investigated.						
	Total	0	0	0	0	N/A	N/A
	a) Number involving injuries	0	0	0	0		
	b) Number involving fatalities	0	0	0	0		
7	Workers transported from staging areas per day (average) <i>Threshold for Action:</i> Number, when calculated as a % of total workers on site (average during the month of the count) is less than 75%.						
	Mid-month count	27	24	22	24	Y (see Note 1)	Contractor confirms craft workers are being shuttled to and from Westridge Marine Terminal via water taxi or bus service. No personal vehicles permitted at WMT.
	End-month count	not reported	not reported	37	37		
	Average	27	24	29	28		
8	Personal vehicles in staging area per day (average) <i>Threshold for Action:</i> 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.						
	Mid-month count	25	20	21	22	N	N/A
	End-month count	not reported	not reported	20	20		
	Average	25	20	20	23		
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:</i> Qualitative feedback from local health authority regarding capacity concerns.						
	a) Total number of times a worker was referred or sent to local health facilities	0	0	0	0	N	N/A
	i. urgent	0	0	0	0		
	ii. non-urgent	0	0	0	0		
	iii. occupational	0	0	0	0		
	iv. non-occupational	0	0	0	0		
	b) Total number of times a worker required ambulance or other emergency transport	0	0	0	0		
10	Number of medical visits to Project on-site medical facilities <i>Threshold for Action:</i> Number, when calculated as a percentage of average number of workers per month rises from the previous reporting cycle.						
	Total	0	0	0	0	N	N/A
	a) occupational	0	0	0	0		
	b) non-occupational	0	0	0	0		
14	Number of people affected by a notifiable disease in a work camp <i>Threshold for Action:</i> No minimum threshold; all notifiable diseases will be reported to the local health authority						
	Total	0	0	0	0	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	N/A	N/A
Apr-18	Total: 0	N/A			
	% Aboriginal: 0				
	% Non Aboriginal: 0				
May-18	Total: 0				
	% Aboriginal: 0				
	% Non Aboriginal: 0				
Jun-18	Total: 0				
	% Aboriginal: 0				
	% Non Aboriginal: 0				
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 Disturbance	Noise and vibration from construction activity at WMT (raised by one individual)	Trans Mountain will follow up on noise or vibration complaints related to construction activity at WMT. Trans Mountain will work with stakeholders to resolve and address such complaints where practicable Noise levels at the Westridge Marine Terminal construction site are monitored continuously. Trans Mountain is following approved pile installation methods as outlined in the WMT Environmental Protection Plan. The construction methods are aimed to reduce the intensity of noise and vibration emitted.	N	N/A
13	Qualitative feedback themes about effects on the quality and abundance of traditional harvesting resources, or ability of Aboriginal people to harvest resources, within the Project footprint <i>Threshold for Action: Qualitative from Aboriginal group leader/administrator regarding reports of adverse effects on quality and abundance of traditional harvesting resources, or ability of Aboriginal 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 April 1, 2018 to June 30 2018.
- 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) NEB 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.
- For the threshold analysis of Indicator 8, the average number of personal vehicles in staging areas per day (23) is less than 0.1% of the known AADT value (87,600).
- Indicator 11 tallies feedback line calls/queries related to socio-economic impact topics in areas of current construction and related to 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 NEB Conditions (NEB Condition 107 - Aboriginal, Local and Regional Employment and Business Opportunity Monitoring Reports; and NEB Condition 58 - Training and Education Monitoring Reports).
- Totals may not add up due to rounding.

Notes

1. For the threshold analysis for Indicator 7, the average workers transported from staging areas per day (28) is approximately 35% of the average workers on site per day (79).