

# Trans Mountain Expansion Project Socio-Economic Monitoring Report - BC Interior Region

April to June 2023



## Introduction

This report presents the quarterly socio-economic monitoring results for the BC Interior 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, BC Interior 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 | %<br>(where applicable)      | Threshold Triggered?<br>(Y/N) | If Threshold Triggered, Action Taken  |
|---------------------|---|---------------|--------------|--------------|-----------------|------------------------------|-------------------------------|---|
|                     |   | Apr-23        | May-23       | Jun-23       |                 |                              |                               |   |
| N/A                 | Total calendar days of construction site work during the reporting cycle  | 22            | 25           | 25           | 72              | N/A                          | N/A                           |   |
|                     | Workers on site per day (average)   | 1161          | 1066         | 1082         | 1101            | 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><br><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>  | 25549         | 26643        | 27053        | 79245           | 100%                         | Y<br>(See Note 1)             | 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   | 7591          | 8073         | 8800         | 24464           | 31%                          |                               |   |
|                     | b) Worker-days, Other (workers not Local or Regional residents)   | 17958         | 18570        | 18253        | 54781           | 69%                          |                               |   |
|                     | c) Indigenous   | 2518          | 2390         | 2724         | 7632            | 10%                          |                               |   |
|                     | d) Non-Indigenous   | 23031         | 24253        | 24329        | 71613           | 90%                          |                               |   |
| 2                   | <b>Number of worker-days in field (categorized by accommodation arrangements of the workers)</b><br><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>  | 25549         | 26643        | 27053        | 79246           | 100%                         | N<br>(See Note 2)             | N/A   |
|                     | a) Worker-days, Local or Regional resident, residing at home  | 2833          | 2397         | 1999         | 7229            | 9%                           |                               |   |
|                     | b) Worker-days, not Local or Regional, not staying in TMEP camps (i.e., staying in local rental, hotel)   | 20093         | 21906        | 22944        | 64943           | 82%                          |                               |   |
|                     | c) Worker days, not Local or Regional resident, staying in TMEP camps   | 2623          | 2340         | 2111         | 7074            | 9%                           |                               |   |
| 3                   | <b>Living out allowance or related stipend</b><br><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   | 26062         | 26351        | 26851        | 79264           | N/A                          | N<br>(See Note 3)             | N/A   |
|                     | b) Total value (\$)   | \$ 5,010,120  | \$ 5,183,156 | \$ 5,194,810 | \$ 15,388,086   | N/A                          |                               |   |
| 5                   | <b>Number of worker-days, in field - anticipated in next business quarter</b><br><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) July 2023  | N/A           |              |              | 28894           | 1111                         | N/A                           | N/A   |
|                     | b) August 2023  | N/A           |              |              | 26678           | 1026                         |                               |   |
|                     | c) September 2023   | N/A           |              |              | 26488           | 1019                         |                               |   |

| SEEMP Indicator No. | Indicator  | Monthly Total |        |        | Quarterly Count | %<br><i>(where applicable)</i> | Threshold Triggered?<br>(Y/N)  | If Threshold Triggered, Action Taken |
|---------------------|--|---------------|--------|--------|-----------------|--------------------------------|--|--------------------------------------|
|                     |  | Apr-23        | May-23 | Jun-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><br><i>Threshold for Action: No minimum threshold. All incidents/accidents will be investigated.</i>   |               |        |        |                 |                                |  |                                      |
|                     | Total  | 1             | 1      | 1      | 3               | 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><br><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  | 635           | 665    | 748    | 683             | N/A                            | Y<br>(See Note 4)<br><br>Pipeline contractor confirmed they are using multi-passenger vehicles to transport workers for crews that have larger numbers of personnel working in the same area/vicinity. In some cases, there is no staging area separate from the worksite and/or vehicles are required for daily work. |                                      |
|                     | End-month count  | 689           | 686    | 753    | 709             | N/A                            |  |                                      |
|                     | Average  | 662           | 676    | 751    | 696             | N/A                            |  |                                      |
| 8                   | <b>Personal vehicles in staging area per day (average)</b><br><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  | 509           | 457    | 554    | 507             | N/A                            | N<br>(See Note 5)<br><br>N/A   |                                      |
|                     | End-month count  | 453           | 439    | 560    | 484             | N/A                            |  |                                      |
|                     | Average  | 481           | 448    | 557    | 495             | 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><br><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  | 1             | 4      | 4      | 9               | N/A                            | N<br>(See Note 6)<br><br>N/A   |                                      |
|                     | i. urgent  | 1             | 1      | 2      | 4               | N/A                            |  |                                      |
|                     | ii. non-urgent   | 0             | 3      | 2      | 5               | N/A                            |  |                                      |
|                     | iii. occupational  | 0             | 2      | 2      | 4               | N/A                            |  |                                      |
|                     | iv. non-occupational   | 1             | 2      | 2      | 5               | N/A                            |  |                                      |
|                     | b) Total number of times a worker required ambulance or other emergency transport  | 0             | 2      | 0      | 2               | N/A                            |  |                                      |
| 10                  | <b>Number of medical visits to Project on-site medical facilities</b><br><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  | 11            | 33     | 14     | 58              | N/A                            | Y<br>(See Note 7)<br><br>Contractor confirmed on-site medical services are adequate to support Project needs. Medics and their coverage locations are updated in the Daily Toolbox Talks that are distributed to the crews each morning.   |                                      |
|                     | a) occupational  | 3             | 2      | 1      | 6               | N/A                            |  |                                      |
|                     | b) non-occupational  | 8             | 31     | 13     | 52              | N/A                            |  |                                      |
| 14                  | <b>Number of people affected by a notifiable disease in a work camp</b><br><i>Threshold for Action: No minimum threshold; all notifiable diseases will be reported to the local health authority</i>   |               |        |        |                 |                                |  |                                      |
|                     | Total  | 1             | 1      | 0      | 2               | 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><br><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><br><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  |  |  |
|                     | Apr-23   | Total: 2<br>% Indigenous: 0<br>% Non-Indigenous: 100                  | Worker conduct - resident concern about alleged Project-related litter along Lac Le Jeune Road.<br><br>Environmental concerns - Westsyde Road resident concern about no flow in stream on property.   | 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, there is no direct evidence Trans Mountain workers are the cause. Contractors followed up with workers regarding littering and worker behaviour.<br><br>Trans Mountain will follow-up on community concerns related to construction environmental issues. Environmental mitigation measures are outlined in Project Environmental Protection Plans and resource-specific mitigation tables. In this instance, the Trans Mountain environment team investigated, and there were no signs of construction impeding flow downstream. | N/A  |
|                     | May-23   | Total: 2<br>% Indigenous: 0<br>% Non-Indigenous: 100                  | Traffic/Driving - Kamloops residents complained of dust from Project vehicles on local roads.   | 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 up 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. In this instance, information was passed to the contractor and water trucks were deployed to suppress dust on local roads.  | N/A  |
| 12                  | <b>Qualitative feedback themes about community concerns and experienced social effects</b><br><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   | Threshold Triggered? Y/N   | If Threshold Triggered, Action Taken   |
|                     | Traffic<br><i>(Coldwater Indian Band)</i>  | Traffic speed on Coldwater Road.                                      | 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 followed up with the contractor to ensure traffic-related requirements are being met. | Y  | Trans Mountain and the contractor have developed and shared a list of actions to address the concern and are continuing to engage with Coldwater on the issue. |
|                     | Human Occupancy and Resource Use<br><i>(Lower Nicola Indian Band)</i>  | Unauthorized access on reserve during hydrostatic testing dewatering. | Trans Mountain will follow up on complaints about land access and work directly with the community or landowner.  | Y  | Trans Mountain worked with the community to obtain an access letter.   |
|                     | Worker Conduct<br><i>(Nooaitch Indian Band)</i>  | Concerns regarding smoking outside of the designated smoking areas.   | 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.  | Y  | The area was cleaned up and discussions occurred with the contractor.  |

|      |   |     |     |
|------|---|-----|-----|
| 13   | <p><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></p> <p><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.</p> |     |     |
| 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. Construction activity reduced in December due to holiday break.
- 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 March 26, 2023 - June 24, 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.
- For the threshold analysis for Indicator 1, the estimate of non-local/regional workers estimated in the WAS finished in March 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 - 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.
- Indicator 5 includes active Construction contractors only.
- Data may be subject to revisions based on updates from Contractors or ongoing quality reviews.

**Quantitative Threshold Analysis Notes:**

1. For Indicator 1, data is not available. Construction workforce continues beyond Worker Accommodation Strategy predicted timeframe.
2. For Indicator 2, no adverse feedback was received from local authorities or tourism/hotel associations; therefore, the threshold has not been triggered.
3. For Indicator 3, there was a decrease in the number of worker-days paid for indicator 3a from the previous reporting cycle (quarterly total) and no adverse feedback was received from local authorities or tourism/hotel associations; therefore, the threshold has not been triggered.
4. For Indicator 7, the average workers transported from staging areas per day (696) is approximately 63% of the average workers on site per day (1101); therefore, the threshold has been triggered.
5. For Indicator 8, the personal vehicles in the staging area per day (average) was less than 10% of the AADT values at locations nearest to staging yards; therefore, the threshold has not been triggered.
6. For Indicator 9, no feedback was received from the local health authority regarding capacity concerns; therefore, the threshold has not been triggered.
7. For Indicator 10, the total as a percentage of average number of workers per month reflected as workers on site per day (average over quarter) (5.3%), is higher than the previous reporting cycle (2.0%); therefore, the threshold has been triggered.