



Teck Trail Operations Engaging with Our Community Fall 2020

Engagement Summary Report

September 21 –
November 6, 2020

teck.com/engagetrail

Teck

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1. About Teck

Teck is a diversified resource company committed to responsible mining and mineral development with major business units focused on copper, zinc and steelmaking coal, as well as investments in energy assets.

Trail Operations is one of the world’s largest fully integrated zinc and lead smelting and refining complexes. We source mine concentrates from all over the world and convert them into products that support modern day life. Our operation is an integrated part of Teck’s broader zinc business, and the primary refiner for concentrates from our Red Dog mine in northwest Alaska.

Trail Operations is proud to be a part of the local community. We have approximately 1,400 employees living in Trail, Castlegar, Warfield, Fruitvale, Montrose, Roseland and the surrounding areas.

Examples of How our Products are Used

Trail Operations’ integrated metallurgical processes produce such products as:



Zinc

Coating to prevent rust in cars and other steel products, and casting for medical equipment



Fertilizer and Sulphur Products

Agriculture and industrial applications, including municipal water treatment



Lead

Vehicle batteries, and radiation protection in medical applications



Specialty Metals

Computing infrastructure such as LCD screens, fibre optic cable, and semiconductors

These products are integral to the homes we live in, the cars we drive, and the electronics that power our lives.



2. Fall 2020 Community Engagement

2.1 Purpose

As a continuation of a process we began in 2019, during fall 2020 we shared information about Teck Trail Operations and gathered feedback from the community. The community engagement process was designed to give local residents and organizations an opportunity to hear from the Trail Operations team directly and provide input on a number of topics, including items that the community expressed interest in learning more about during our fall 2019 engagement.

Due to the COVID-19 pandemic, the majority of our 2020 engagement took place online and via mail.

2.2 Participation

There were a total of 115 participant interactions during the community engagement:

- 36 people attended three virtual small group community meetings
- 25 local elected officials and staff attended three local government meetings
- 50 feedback forms were completed (18 online and 32 hard copy)
- 4 mail and email submissions were received

2.3 Engagement Materials and Topics

Trail Operations provided information about Teck and our operations through a discussion guide, which was mailed to residents and businesses of Trail and Warfield, and available online at teck.com/engagetrail. The discussion guide sent by mail also included a feedback form with a pre-paid return envelope to ensure broad access for participation.

During our 2019 community engagement, we heard participants wanted to know more and provide feedback about a number of items including:

- The long-term sustainability of Trail Operations including RACE21™;
- Greenhouse gas emissions and climate change;
- Training and employment opportunities; and
- Our response to the COVID-19 pandemic.

There was also an opportunity in the feedback form for participants to provide additional comments, interests or issues regarding Trail Operations.



2.4 Notification

Notification activities to inform the community about the opportunity to participate in the engagement process were broad:



Discussion Guide and Feedback Form:

Mailed to 4,367 residents of Trail and Warfield along with a postage paid envelope.



Postcards: Mailed to 3,172 residents and businesses in Rossland, Montrose, and Fruitvale.



Social media: Facebook ads reached 891 people in Trail, Rossland, Castlegar and Fruitvale between September 25 and November 2, 2020



Print and online advertisements:

- West Kootenay Advertiser: September 24, 2020
- Trail Times: September 25, September 29, and October 1, 2020
- Trail Champion, Castlegar Source, and Rossland Telegraph: September 25 – October 31, 2020



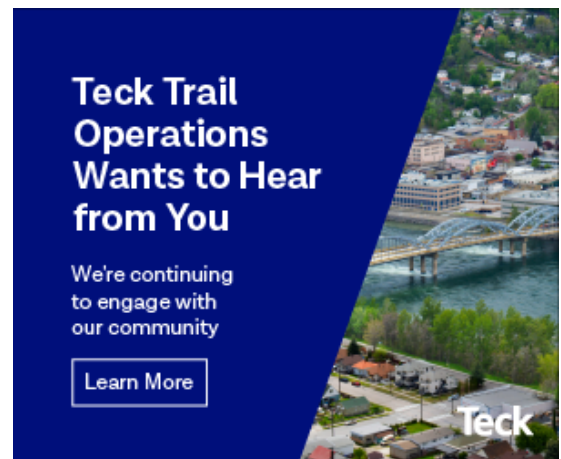
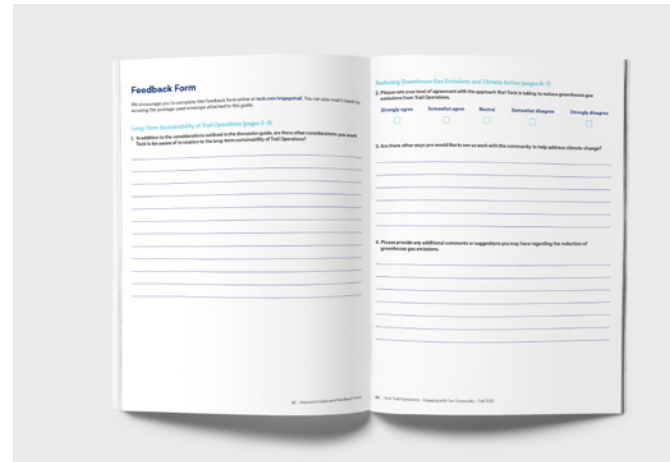
Radio advertisements:

EZ Rock: September 25 – October 29, 2020



Emails to Communities of Interest (COIs):

133 local community organizations were emailed an invitation to attend a meeting or participate online



2.5 Engagement Methods



2.5.1 Virtual Small Group Community Meetings

Members of the community were invited to register for one of three virtual small group community meetings held via Zoom:

- Tuesday, October 6, 2020, 1:00 pm – 2:30 pm
- Wednesday, October 7, 2020, 10:00 am – 11:30 am
- Wednesday, October 7, 2020, 6:00 pm – 7:30 pm

At these meetings, representatives from Trail Operations briefly presented the information in the discussion guide, and participants were invited to provide comments and ask questions.

Key themes from these meetings can be found on page 5.



2.5.2 Local Government Meetings

As part of the engagement process, representatives from Trail Operations met with Mayors, Councillors, Chief Administrative Officers, and committees of the following local governments:

- City of Trail, Monday, October 26, 2020
- City of Rossland, Thursday, October 29, 2020
- Regional District Kootenay Boundary East End Services Committee, Tuesday, November 17, 2020

Key themes from local government meetings can be found starting on page 6.



2.5.3 Feedback Form and Submissions

Engagement participants were encouraged to read the discussion guide and complete the feedback form in hardcopy or online at teck.com/engagetrail.

Submissions were also received through mail and email.

Results from the feedback form and submissions can be found starting on page 7.



3. What We Heard

3.1 Summary

Overall, here is what we heard through this engagement process:

- Participants were interested in learning about sustainability initiatives, and noted that Teck and Trail Operations should continue to do more to combat climate change and reduce greenhouse gas emissions from extraction to transportation and smelting and refining.
- Participants were interested in discussing Trail Operations' procurement, including expanding source feeds and products, the Red Dog mine's lifespan, and local ore exploration.
- Participants wanted to learn more about employment and training at Trail Operations in particular in terms of diversity, equality and inclusion.
- Participants discussed Trail Operations' response to the COVID-19 pandemic, most noting that Teck did commendable work protecting employees and suggested sharing best practices with other organizations in the community.

3.2 Virtual Small Group Community Meetings – Key Themes

The following are key themes from the discussions that occurred at the small group community meetings:

Tuesday, October 6, 2020, 1:00 pm – 2:30 pm

- Participants were interested in learning about the sustainability initiatives Trail Operations is pursuing, and noted Trail Operations should continue to provide information to the community through this kind of dialogue.
- Participants asked about innovation in terms of reducing environmental impact, and training for robotics and data, as well as recycling materials.
- Participants were interested in local procurement, including metals from local mines, local ore exploration and goods and services required at Trail Operations.

Wednesday, October 7, 2020, 10:00am – 11:30 am

- Participants asked about employment in terms of automation, Indigenous reconciliation and the summer student program.
- Participants discussed the collaboration between Teck human resources, senior management and unions in managing the pandemic response at Teck Trail Operations, in particular COVID-19 protocols in place for contractors during shutdowns or specific projects.
- Participants asked about the long-term sustainability of the operation, including mine life at Red Dog and business impact of the COVID-19 pandemic.

Wednesday, October 7, 2020, 6:00 pm – 7:30 pm

- Participants asked about environmental impacts, including greenhouse gas emissions from transportation, which areas of Teck Trail Operations emit the most, as well as air and water quality.
- Participants asked about beautification in terms of vegetation around the site, as well as painting or removing the zinc stack.
- Participants asked about training and employment opportunities in terms of clerical and technical employees, as well as transferring trades experience into bachelors' degrees.

3.3 Local Government Meetings – Key Themes

The following are key themes from the discussions that occurred at the presentations to local governments:

City of Trail, Monday, October 26, 2020

- Participants asked operations-related questions regarding:
 - The mine life of Red Dog
 - Options for a copper smelter at Trail Operations
 - Any positive impacts on Trail Operations from the rise of the electric vehicle industry
 - Essential products Trail Operations is providing, in particular during the pandemic
- Participants asked about external factors and their potential impacts on operations, including:
 - The election in the United States given Red Dog mine is in Alaska
 - The COVID-19 pandemic
 - The Waneta Dam agreement, as well as other potential sources of power
- Participants discussed workforce related topics, including the number of employees at Trail Operations, efforts to increase women's involvement in the operations, and the timing for the next labour contract negotiations.
- Participants discussed environmental considerations, including carbon capture technology, and plans to reduce GHG emissions by 33% by 2033.

City of Rossland, Thursday, October 29, 2020

- Participants asked questions about source feeds and investment at Trail Operations, including:
 - Any commitment from Teck to renew infrastructure at Trail Operations
 - Exploring new potential source feeds
 - Adding copper to Trail Operations
 - Whether Teck owns surface rights in Alaska
 - The closure of the Pend Oreille Mine in Metaline Falls

- Participants discussed environmental initiatives and considerations at Trail Operations, including:
 - The commitment to reduce carbon by 33% by 2033, and becoming carbon neutral by 2050
 - Carbon capture technology at Trail Operations
 - Sourcing steam from Trail Operations to heat the hospital
- Participants discussed workforce and training related topics including:
 - Teck keeping jobs and economic development in the region
 - Trades and mentorship programs for women
 - Workforce demographics and increasing diversity
 - The Capstone Project providing mentorship opportunities for high school students

Regional District Kootenay Boundary East End Services Committee Meeting, Tuesday, November 17, 2020

- Participants asked about Trail Operations' recycling program and involvement in the circular economy.
- Participants discussed environmental topics, including the transportation of sulphuric acid from Trail Operations, and the status of the groundwater treatment plant.
- Participants asked questions about Trail Operations' workforce, including:
 - Opportunities for newcomers to Canada
 - The size of the workforce and any anticipated changes
 - Any issues surrounding health care or daycare services for employees
- Participants noted that Trail Operations did commendable work with the logistics required to slow the spread of COVID-19 in the workplace. They asked about changes in shifts, working remotely for employees, and whether Trail Operations will be able to continue to support community organizations during the pandemic.

3.4 Feedback Form

The following are the results from the 50 feedback forms and four submissions.

It should be noted that not all respondents answered every question. The number of people responding to each question ranged from 27 to 38.

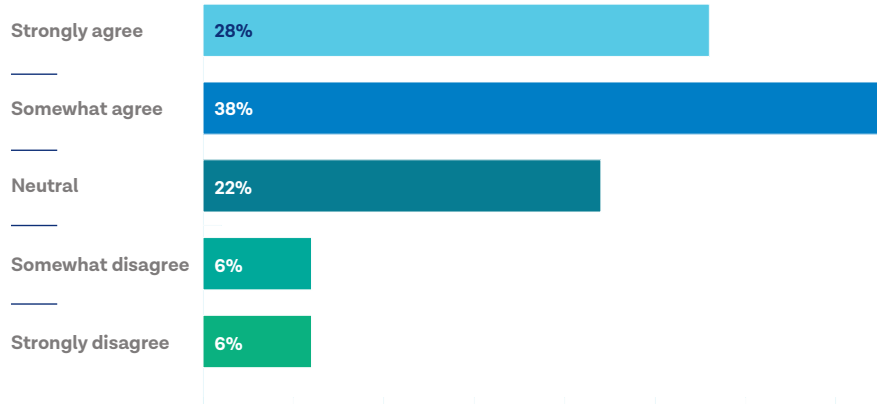
Long-Term Sustainability of Trail Operations

1. Are there considerations you would like Teck to be aware of in relation to the long-term sustainability of Trail Operations?

Themes	#
Participants expressed concern regarding the price of power after the Waneta dam agreement expires.	7
Participants suggested that Teck explore more source feed options, including: <ul style="list-style-type: none"> • Mining and smelting more gold given booming prices • Expanding into pure metals • Considering local ore to reduce GHGs from transportation and lower costs, and reduced reliance on the United States • Opening Pine Point mine again • Sourcing ore from Chile 	6
Participants suggested that Trail Operations consider increasing its recycling activities.	5
Participants expressed concerns over the environmental impacts of Trail Operations, including plume from the stacks, air and water quality in the area, and requested continued efforts to reduce GHG emissions and water use.	5
Participants provided various operations-related suggestions and questions, including: <ul style="list-style-type: none"> • Providing internet access for employees throughout the site • Road improvements at Waneta and carpooling for employees • Improve Trail Operations' competitive position • Exploring new products, such as zinc spray for coating small steel items like handles, fasteners and other small parts • Whether RACE21™ and automation will impact the workforce and community 	5
Participants suggested continuously updating facilities, and making the area more visually appealing, including landscaping near the smelter.	4
Participants expressed concerns about noise.	2
Participants suggested using as much solar and battery power at Trail Operations as possible, including workforce vehicles.	2
Participants suggested testing contingency plans for potential disruptions caused by the COVID-19 pandemic, and helping Trail and the local food banks with their COVID-19 response.	2
Participants noted that they would like to see Trail Operations give the community more access to land or work with the City of Trail on a long-term Official Community Plan as it relates to land.	2

Reducing Greenhouse Gas Emissions and Climate Action

2. Please rate your level of agreement with the approach that Teck is taking to reduce greenhouse gas emissions from Trail Operations.



3. Are there other ways you would like to see us work with the community to help address climate change?

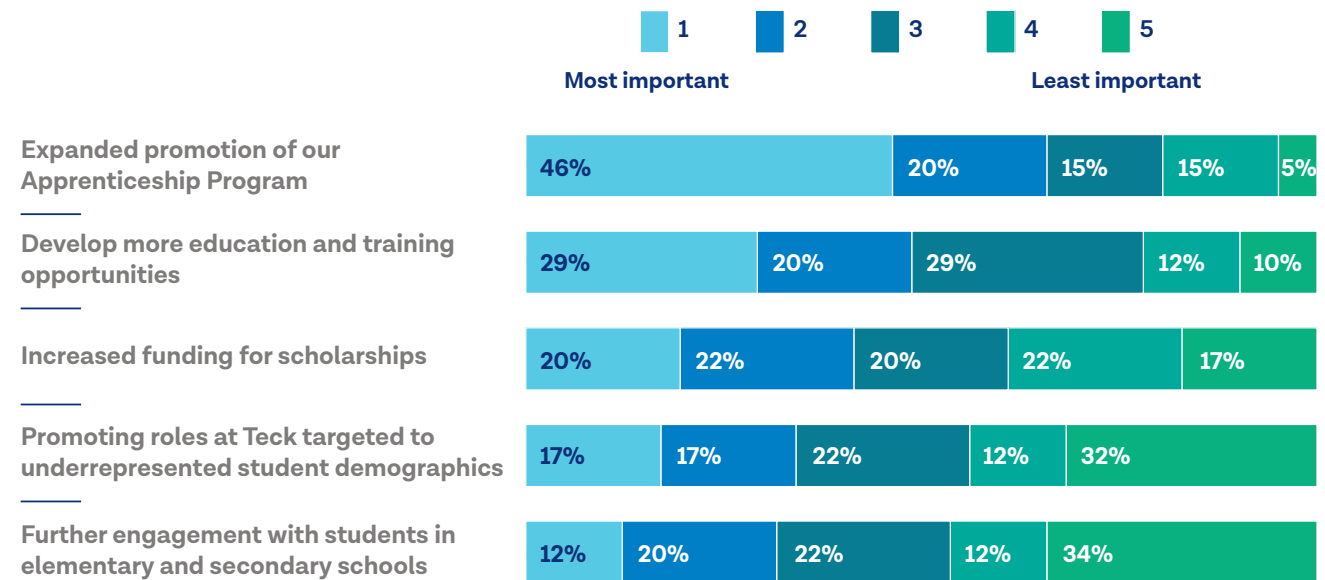
Themes	#
Participants suggested tree or community garden planting programs to address climate change.	7
Participants suggested transportation solutions, including: <ul style="list-style-type: none"> • Implementing carpool programs for employees • Creating a new truck route to avoid the Rossland hill route • Electrifying vehicles • Building a green link trail to connect Rossland and Warfield to downtown Trail’s pedestrian bridge and river walk • Helping to improve cycling and active transportation infrastructure in the area 	6
Participants provided suggestions related to energy, such as: <ul style="list-style-type: none"> • Helping facilitate the installation of solar energy solutions for residents and businesses in Trail • Revisiting a potential district energy program using steam from Trail Operations 	4
Participants commented on emissions, including: <ul style="list-style-type: none"> • Expressing concern about SO₂ emissions and readings from monitoring stations • Increased monitoring, including adding a monitoring station in Tadanac • Looking into Trail Operations’ supplier and contractor emissions 	4
Participants made suggestions related to Teck’s products, including: <ul style="list-style-type: none"> • Divesting from coal and other non-renewable resources • Expanding to products that are needed for green initiatives, e.g., tellurium and rare earth elements 	3
Participants suggested Trail Operations reduce noise, plume and/or smell coming from the smelter.	3
Participants noted Teck is doing everything it can to address climate change.	3
Participants noted they do not believe Teck can do anything about climate change.	2
Participants suggested an open forum with Teck around “net zero by 2050”, and to reduce misinformation.	2

4. Please provide any further comments or suggestions you may have regarding the reduction of greenhouse gas emissions.

Themes	#
Participants suggested considering the entire product cycle in the reduction of greenhouse gas emissions, including: <ul style="list-style-type: none"> • Hydrogen-fueled trucking • Vehicle electrification • Using electric and solar power in smelting technology • Implementing carpool programs and improving cycling infrastructure for employees to get to work 	10
Participants noted they would like to see a reduction of impact on water and air quality, in particular acidic vapor from the electrolytic and melting (E&M) cooling towers, and dust on employee vehicles.	6
Participants recommended ensuring buildings are well insulated and exploring the potential to source steam from the plant for district heating or co-generation.	4
Participants suggested tree or community garden planting programs.	2
Participants suggested starting an employee program like Wellness Wednesdays to educate employees on how they can reduce emissions both at home and work.	2

Training and Employment Opportunities

5. Which areas would you like us to focus on with our education partners in order to further develop the next generation of Teck employees?



Our Response to COVID-19

6. Have we provided enough information about the health and safety protocols we have in place to protect employees and local communities? Is there any other information you are interested in?

Themes	#
Participants noted Teck provided enough information about the health and safety protocols in place to protect employees and the community.	13
Participants noted they heard from employees that they feel safe and supported by company policies, as it relates to the pandemic, and that Trail Operations has been proactive and in line with best practices.	6
Participants provided comments and suggestions unrelated to health and safety protocols, including: <ul style="list-style-type: none"> • Providing more information about sirens to avoid concerning new residents • Reducing emissions from the operation • Emphasizing Teck has been generous to the community in times of need 	6
Participants suggested Teck share best practices with the rest of the community, as Trail Operations has been doing well with pandemic response.	5
Participants asked questions about positive cases of COVID-19 at site, and safety protocols, including requesting more information about protocols around contractors coming from outside the area.	4
Participants noted Teck did not provide the community enough information about COVID-19.	3
Participants noted they were concerned about health and safety protocols, including: <ul style="list-style-type: none"> • Personal protective equipment stocks for community members • Confusion for employees around protocols at the operation • The lack of internet access on site is a barrier for employees to learn more about protocols 	3

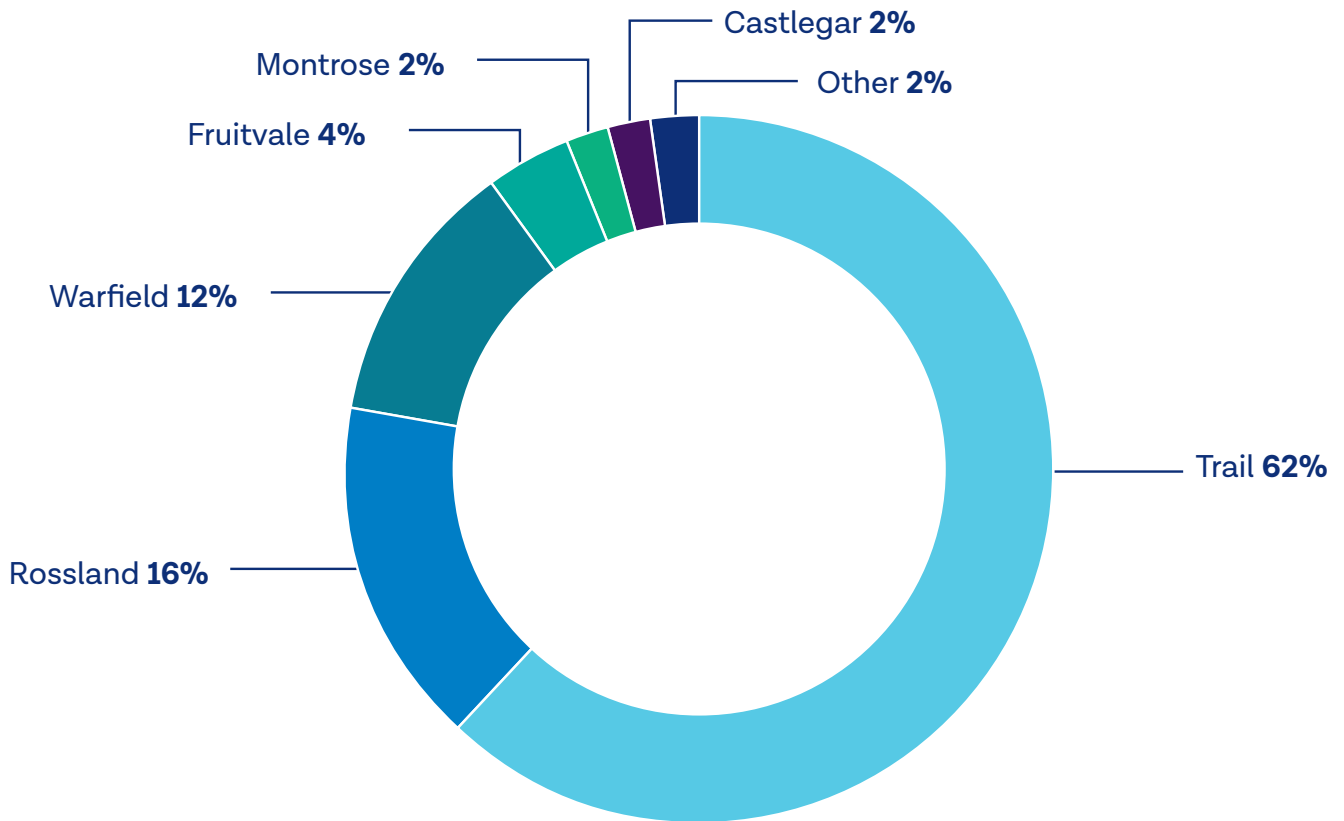
7. Please provide any additional comments that you may have regarding Trail Operations.

The following are the most frequently mentioned themes from the 33 respondents who provided comments in the feedback form, as well as the four submissions received by email. It should be noted that some respondents may have provided comments on more than one topic.

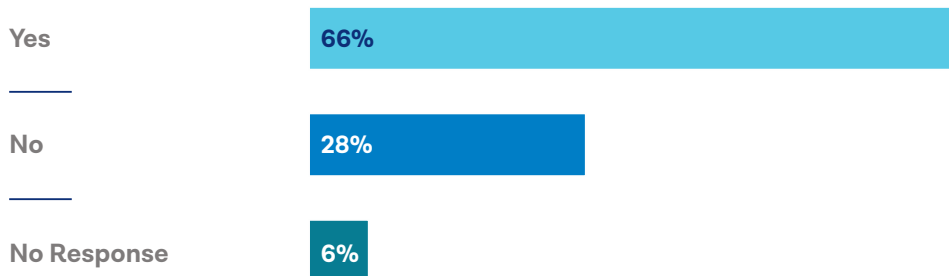
Themes	#
Participants noted Teck should continue to focus on reducing pollution, smell and/or noise.	9
Participants noted Teck Trail Operations has been a great supporter of the community and local economy.	5
Participants suggested beautifying the look of the smelter, including: <ul style="list-style-type: none"> • Adding a fresh coat of paint • Working with the City to improve the look of the approach into the City • Including a painted mural or paint job on the pumphouse down at the Columbia River at the north end of the property 	5
Participants provided workforce-related comments and questions, including: <ul style="list-style-type: none"> • Providing internet access for all employees • Increasing funding for the apprenticeship program • Simplifying the hiring process • Requesting more information on workforce demographics • Considering a training program with BCIT 	5
Participants thanked Trail Operations for the opportunity to provide feedback and learn more about the operations, some noted the community engagement has improved since 2019.	4
Participants provided suggestions relating to land, including: <ul style="list-style-type: none"> • Providing community access to the shoreline below the plant • Donating land in Rivervale for a designated greenspace • Increasing maintenance of Teck-owned land in Tadanac 	3
Participants provided miscellaneous suggestions for Trail Operations, including: <ul style="list-style-type: none"> • Implementing a tree planting program • Increasing community investment around homelessness, addiction and mental health • Purchasing another dam similar to Waneta 	3

8. Tell us about you (optional)

Where do you live?



Are you a Teck employee?



4. How Will Input Be Used

We appreciate the time and effort members of the community took to participate in this engagement process and to provide thoughtful feedback. Input received during the engagement process will be considered throughout our strategic planning at Trail Operations. It will also help inform our community engagement plans in 2021 and beyond.

We also received input related to our current operations and impacts that members of the community are experiencing today. We are currently reviewing this input in an effort to understand and address feedback where possible.

Below are a few examples of how we're addressing topics of interest to engagement participants. For more information about the engagement and how we are connecting with the Trail community, please email us at engagetrail@teck.com.

- **Reducing Community Noise:** Trail Operations endeavors to be a good neighbour and we take concerns we receive through the Environment and Community Feedback Line very seriously, including noise concerns. We operate within industry standards to manage noise with a goal to ensure our activities are conducted in a manner that minimizes disruption to our neighbors; however, a large, modern facility such as Trail Operations will generate some noise as part of regular operations. In January 2020, we had a specialty noise consultant visit our site to help inform a noise management plan to assist in mitigating concerns. We also completed a site survey in the summer of 2020 to support an updated noise model, and we are investigating options for a noise-monitoring network. A map showing the location of noise concerns is now tracked to help understand their sources. Community members are welcome to call our Environment and Community Feedback Line at 250-346-4817 with any concerns and we'll work to resolve the issue.



- **Beautification of Trail Operations:** Residents care about the aesthetics at Trail Operations and have asked us for increased tree and/or community garden planting. Funding has been established for 2021 to consider options and a long-term plan for increasing the vegetation cover around the smelter, which could potentially also help mitigate noise concerns in the future.





• **Air Quality:** At Teck Trail Operations, we continuously strive to improve community air quality. Since the mid-1990s, we have reduced stack emissions by over 99%. In 2012, we began our Comprehensive Fugitive Dust Reduction Program, focused on dust that escapes from buildings, stockpiles and roadways. Our 2020 ambient air quality results were the lowest annual levels ever recorded with a 30% reduction since 2019, and an 80% reduction since the program began. We use monitoring tools to identify sources, with administrative controls used to mitigate dusting. We have also worked on longer term solutions such as the placement of additional wind barriers and optimization of our road cleaning works using the sensors installed on our equipment in 2020.

• **Developing the next generation:** In 2020, participants expressed that they want us to continue our work with local educational organizations on programs to set up students for careers in the sciences, operations, and trades, including positions at Trail Operations. We have a long-standing partnership with Selkirk College that has included community investment support of major initiatives such as:

- The COVID-19 Student Relief fund, the Selkirk Technology Access Centre, and the recent renewal of the Nelson Trades Campus
- The TeckServ internship program that supports Selkirk students in undertaking community-based research projects benefiting local communities
- Annual scholarships supporting students in business administration and metal-based trades

We have also partnered with Selkirk College on the development of education programs and work experience opportunities, such as the Process Operators program. Since 2010, over 125 graduates, more than 40 of whom are female, have joined the workforce at Teck Trail Operations.

Over 130 tradespersons have graduated from our Apprenticeship Program since the program's inception in 2006, representing 45% of our current workforce. There are six male and one female apprentices in the program currently. Approximately 95% of graduates and current apprentices were hired locally. Our partners in the program include Selkirk College, the Industry Training Authority and School District 20. Our Trades group has also supported the Selkirk College Trades Discovery for Women Program.



- **COVID-19 pandemic response:** The scope of the COVID 19 pandemic has required all of us to step up and do our part, including the numerous frontline organizations that continue to rally to support our neighbors in greatest need. At Teck Trail Operations, our main focus throughout COVID-19 has been the health and safety of our employees and their families, and the community, as we continue to provide essential products during the pandemic. We continue to closely monitor and incorporate guidance from public health agencies and government, working closely with our union partners to enhance the comprehensive measures and COVID-19 protocols in place.
- One of our new employee-led initiatives involves adding antimicrobial copper foil coverings on high-touch surfaces including main entrance doors and entrance gates. When installed on high touch surfaces, copper will eliminate up to 99.9% of harmful bacteria and viruses.
- We adjusted the focus of our Community Investment program to assist local heroes in responding to the pandemic. In 2020, we contributed over \$800,000 to more than 120 organizations to support COVID-19 relief, our traditional community investment partners, and community development projects throughout the Lower Columbia.
- Teck Trail Operations produces a number of products that are used directly in essential applications such as production of medical equipment, including instrument panels, thermal scan thermometers, food sterilization, and municipal water treatment processes.

