



Powering Journeys
Energizing Communities



PARKLAND BURNABY REFINERY

Community Advisory Panel

June 15, 2022

We would like to begin by respectfully acknowledging that the Parkland Burnaby Refinery resides on the unceded traditional territory of the Musqueam, Squamish and Tsleil-Waututh Nations.

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Eventful Weeks at the Burnaby Refinery



On behalf of all of us at the Burnaby Refinery, we would like to thank the Community Advisory Panel for the constructive discussion and input during our March 30 meeting. Your commitment to this important process is sincerely appreciated. Since our Q1 meeting, we have had an eventful number of weeks. Outlined below are some of the topics which my leadership team and I will update you on at our upcoming meeting.

Plan Released for Renewable Diesel Plant

On May 9, Parkland, in conjunction with the British Columbia Provincial Government, announced plans for a significant increase in our low-carbon fuel production at the Burnaby Refinery, including the construction of a new renewable diesel facility. From a community perspective, there are two key elements of this plan: the new facility will be built within the existing footprint of the Refinery, and the entire project will be designed to ensure that the Refinery as a whole does not increase its emissions. We will present the crucial ways in which this plan will strengthen broader carbon-reduction efforts here in B.C.

A final investment decision is not expected until the second half of 2023. Between now and then, we will proceed with community outreach, consultations and stakeholder engagements, in order to ensure that we are well positioned to manage traffic and other local impacts if the project proceeds.

Closing in on Air Permit Renewal

At our March 30 meeting, we received excellent questions and had an informative dialogue regarding our air permit renewal and the related Human Health Risk Assessment. On April 9, the period for public consultation on our application closed, and we have since posted feedback received along with our responses on our [website](#). Metro Vancouver has been proceeding with the final stages of its technical review and consideration of stakeholder input. At the time of writing this report, Metro Vancouver has issued Parkland a draft version of the amended permit, which we are reviewing. We anticipate a conclusion to this process prior to the July 31 expiry of our existing permit.

Parkland in the Community

Our community relations team is continuing its work to strengthen and expand our Burnaby-focused community relations program. We continue to support and build relationships with a diverse number of groups doing much needed and valuable work within the community that we all work and/or live in and enjoy. This spring, for example, the Parkland Burnaby Refinery sponsored the 28th Annual Burnaby Firefighters Gala Ball. Funds raised from the gala this year will support both a Nutritional Snack Program to help feed hungry kids in Burnaby's schools and the Canada-Ukraine Foundation in its humanitarian aid to the people of Ukraine.

Alex Coles

Vice President & General Manager, Parkland Burnaby Refinery

Health, Safety and Environment

The Burnaby Refinery works to continually safeguard the health and safety of all of its employees, ensuring risks are carefully managed and workplace injuries minimized. That commitment to health and well-being extends beyond our fences, most notably through our stringent management of emissions and all other aspects of our operations' potential environment impacts.

Health

- The refinery has transitioned to a Communicable Disease Prevention Plan per WorkSafe BC. Offices are fully open. We continue to manage Covid on a case-by-case basis to ensure the health and safety of our workforce.

Recordable Injuries since the last CAP meeting (March 30, 2022) include:

March	1 injury
April	Nil
May	Nil

Level 1 advisories since the last CAP meeting (March 30, 2022) include:

June 5	Interruption in external power supply, causing a refinery-wide power outage with subsequent unplanned shutdown and start up.
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Environmental incidents since the last CAP meeting (March 30, 2022) include:

April 22	Brief release of fuel gas to the air from the Utilities area of the Refinery.
April 26	Brief release of Liquified Petroleum Gas to the air from the rail car loading area in Area 1.

External Safety Assessment

The American Petroleum Institute (API) runs a Process Safety Site Assessment Program (PSSAP) that the Burnaby Refinery participates in every three years.

PSSAP is an effective and efficient assessment program that looks beyond regulatory compliance to drive continuous improvement in process safety. During a PSSAP assessment, a team of independent, third-party process safety experts spends about a week at a site, working with employees and leadership to fully evaluate the health of the existing process safety programs.

PSSAP promotes step changes in performance through the sharing of experiences and industrywide practices,

and serves as a mechanism to identify industry trends and patterns. PSSAP looks beyond regulatory compliance and helps facilities benchmark their programs and prevent process safety events.

The API assessors typically average about 40 years of industry experience, with a minimum requirement of 25 years. Assessors have further specific expertise (operations, mechanical integrity, etc.), aligned with the PSSAP protocols. The assessors work with the site to evaluate both the quality of written programs and the effectiveness of field implementation.

Protocols covered:

- Process Safety Leadership
- Operating Practices
- Mechanical Integrity
- Safe Work Practices
- Management of Change
- Process Hazard Analysis
- Product Storage and Transfer
- Incident Learning

The Refinery began its participation in this program under Chevron in 2016, had a second assessment in 2019, and we have now completed our third assessment in May. As a site, our benchmark score has improved with every assessment, and we plan to be re-assessed in 2025.

Low-Carbon Leadership

Our operations and business environment are continually evolving, and we typically have one or more strategic projects underway at any given time. These often involve capital investments and infrastructure development, increasingly with a focus on the growing scope of our low-carbon production. We strive for consultative approaches and transparency whenever these projects impact the community.

Park Pipelines

- Construction is underway in the existing right-of-way within the City of Burnaby's Confederation Park. Our team continues to work in the existing concrete trench in which the new pipelines are being installed.
- The team has been working Monday through Friday from 7:00 a.m. to 5:00 p.m. Starting on June 11 work will also be conducted on Saturdays to ensure the project is completed on time. We anticipate minimal impact to the community.

Tank Projects

- The plans for new tanks in Area 1, as discussed in earlier meetings, are continuing to be developed. We anticipate hosting an open house in early summer to share more details with the public.

Renewable Diesel Facility

- We recently announced plans for a stand-alone facility located within the existing refinery footprint, which will produce low carbon intensity renewable diesel.
- The potential scope currently under evaluation is for a 6,500 barrel per day facility.
- The facility will share some process equipment with the existing refinery (including pressure safety systems, pipelines and tankage), and will leverage existing refinery infrastructure such as offices, control rooms, and parking.
- This project is in early development, and additional details will be shared with the CAP as they take shape.

Tail Gas Treatment Unit (TGTU)

- To reduce sulphur dioxide air emissions, the Refinery is planning to add a Tail Gas Treatment Unit. The TGTU will cut emissions from the Sulphur Recovery Unit by 90 per cent.
- The proposed TGTU addition has been accepted by Metro Vancouver and will be incorporated into our air permit renewal.
- Completion of this project is targeted in 2025.

Air Quality Monitoring

Metro Vancouver is the regulatory authority that approves and monitors compliance with our air emissions permit, which is one of the most important sources of regulatory standards and requirements with which we align Refinery operations. We are in continual dialogue with Metro Vancouver on permit compliance.

See attached document from Metro Vancouver.

The Community's Point of Contact

“Community” is a core Parkland value, and we strive to be a responsible neighbour and to contribute positively to community wellbeing and quality of life – particularly recognizing our location in the heart of a major metropolitan area. Our community relations team is engaged in any initiative at the Refinery that may have external impacts. Some of its activities are also touched on in preceding sections of this report.

Community Consultations and Contact Point

- Community Relations is responsible for public information sessions and related activities with respect to key strategic projects, major regulatory processes and other matters of particular community interest.
- While dates remain to be determined, in the weeks and months ahead we anticipate conducting formal engagement processes with respect to both the Area 1 Tanks Project and the Renewable Diesel Facility; ensuring availability of information and input opportunities with respect to both.

Community Investments

- Community Relations is continuing its development of a refreshed, Burnaby-specific community investment strategy.
- While the strategy is being finalized, we continue to support organizations that promote the Parkland Burnaby Refinery's community investment pillars:
 - Health and Safety
 - Environment
 - Community-Building
- Our community investment criteria preclude funding to religious organizations and sporting leagues.
- The Refinery has a long history of supporting local organizations that strengthen the social and economic fabric in the community. To date in 2022, we have supported the following organizations:
 - Rosser Elementary School
 - Burnaby Neighbourhood House
 - Volunteer Cancer Drivers Society
 - Fraser River Discovery Organization
 - Burnaby Lakers Lacrosse
 - Burnaby Community Services
 - BCIT
 - City of Burnaby
 - Burnaby Now
 - Burnaby Hospice Society
 - Burnaby Firefighters Charitable Society
 - Junior Achievement of British Columbia
 - Pacific Salmon Foundation
 - St. Thomas More Collegiate High School
 - Burnaby Hospital Foundation

- University of British Columbia – Forestry Faculty
- Heights Merchant Association
- Bloom Groups – Women’s Shelter
- Cobble Hill Fair
- College for the Retired
- Alpha High School
- Big Sisters

Municipal and Stakeholder Relationship Building

- Community Relations is the primary point of contact for our municipal and other key stakeholders.
- The Refinery recently provided input to Translink as part of its Hasting's Street Improvement Project. TransLink and the City of Burnaby are partnering to improve Hastings Street between Boundary Road and Duthie Avenue, with the objective of enhancing mobility for all users over the next three to five years. More Information is available [here](#).

Support for the CAP

- Community Relations is also responsible for supporting the operations of the CAP itself, and works to continuously improve the effectiveness of this process and the experience of its participants.
- We want to thank CAP members for signing the newly developed Code of Conduct, and for participating in the survey that will help us to better engage and communicate with you. We will report out on findings and proposed actions at our next CAP meeting.

Community Inquires, Questions and Concerns

From March 25 to June 10, 2022, we received no complaints* and a single inquiry from the community.

Topic	Number of Inquires	Specifics
Traffic	0	
Emissions	0	
Noise	0	
General inquiry	1	Resident inquiry about the stopping of the flare because not visually pleasing.

**Complaints in this context are those the Community Relations team receives directly. Odour and other complaints received by the shift supervisor are not reflected above, but are addressed in the Metro Vancouver update.*

Community Events

Parkland Refinery commitment to community remains strong. We are proud to sponsor the following events and encourage you to take part.

- Hat's off-day on Saturday, June 18
- Canada Day Celebration, July 1
- Blues and Roots Festival, August 9

City of Burnaby

The City of Burnaby is our host municipality and home for a great many of our employees, while our Refinery in turn is an important component of the local business community and tax base. We are in regular dialogue with the City of Burnaby on operational considerations such as traffic that can impact neighbouring residents.

Overview of Participation

- Erica Lay, Manager of Climate Action and Energy, has recently been designated to represent the City of Burnaby at quarterly CAP meetings.
- The scope of the City's participation will be to share updates primarily pertaining to local traffic, emergency management, and other topics of mutual interest.
- The refinery believes this is an opportunity for further constructive dialogue on matters of shared interest to and potential alignment among the Refinery, the City, and the community as represented through CAP.

North Burnaby Traffic Calming Study

- Phase 1 of the North Burnaby Traffic Calming Study wrapped up this spring, and the City is reviewing technical assessments and survey results. It is expected there will be in-person pop-up events (city hosted) at Confederation Park at the end of June, at which preliminary survey results will be available.
- More details are available on the [Study website](#), where you can also sign up to receive ongoing notifications.

Mayor Touring the Parkland Refinery

- On May 30, the Mayor and some members of Burnaby Council took a tour of the Refinery. “Parkland Refinery is an integral member of our community and has taken a leadership role in creation of low carbon fuels. I encourage Parkland to continue working positively with the neighbouring residents to address their concerns as it aligns itself to achieve British Columbia’s Climate Action Goals,” commented the mayor after his tour.