



Powering Journeys
Energizing Communities



PARKLAND BURNABY REFINERY

Community Advisory Panel

Wednesday, September 15, 2021

Welcome

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.

Agenda

1. Approval of the Agenda and Outstanding Items
2. Operational Update
3. Human Health Risk Assessment
4. Metro-Vancouver Update
5. Community Relations Update
6. Roundtable

Operational Updates

Health

- The Refinery had no work related Covid-19 cases.
- To reduce traffic during the upcoming scheduled maintenance and the current provincial COVID case levels, there is a hold on non-essential employees returning to the Refinery and SOLO offices.

Safety

- The Refinery had two personnel safety incidents and both individuals received medical treatment and are recovering.
 - 1) An employee cut their middle finger when a drill bound-up on a sharp metal plate.
 - 2) A contractor cut their pinky finger when it was pinched between a hitch and light stand.

Operational Update

Environment

- On August 26th at 10:11 p.m. there was a power dip due to a BC hydro electrical outage on one of their electrical feeds into the Refinery. This resulted in:
 - multiple equipment trips;
 - an environmental exceedance of permitted SO₂ from the Sulphur Recovery Unit (SRU). It's important to note that the exceedance is within ambient objectives (non-statutory limits on the acceptable presence of containment in the atmosphere), and
 - high elevated flare that caused great concern for the community.

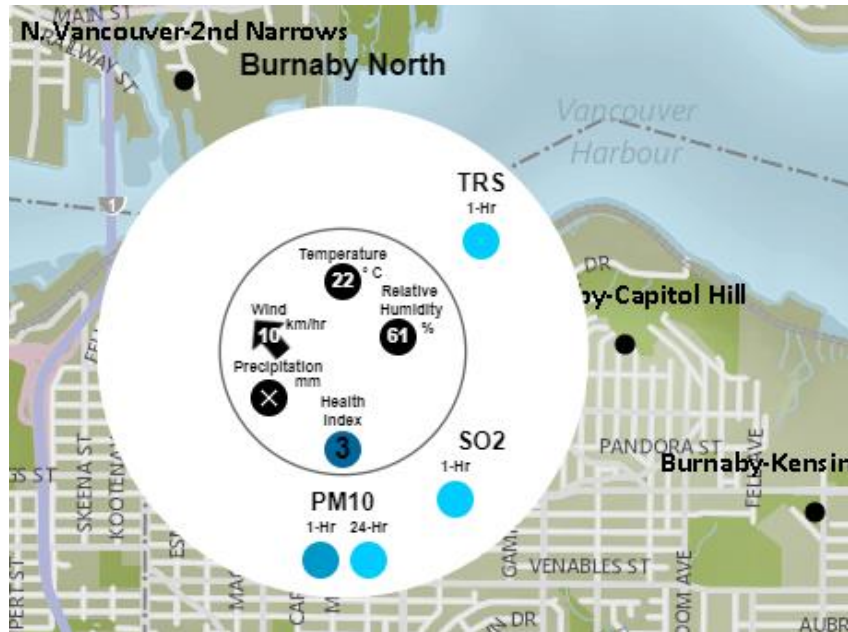
Operational Update

...Environment

- On September 9 approximately at 4:00 p.m. the main reaction furnace in the sulphur recovery unit shutdown and resulted in:
 - brief disturbance in the operation of the sulphur recovery unit.
 - environmental exceedance.
- The SO₂ was below the ambient objectives at all air quality monitoring stations.
- For more information on air quality monitoring stations and local air quality data, please visit www.airmap.ca

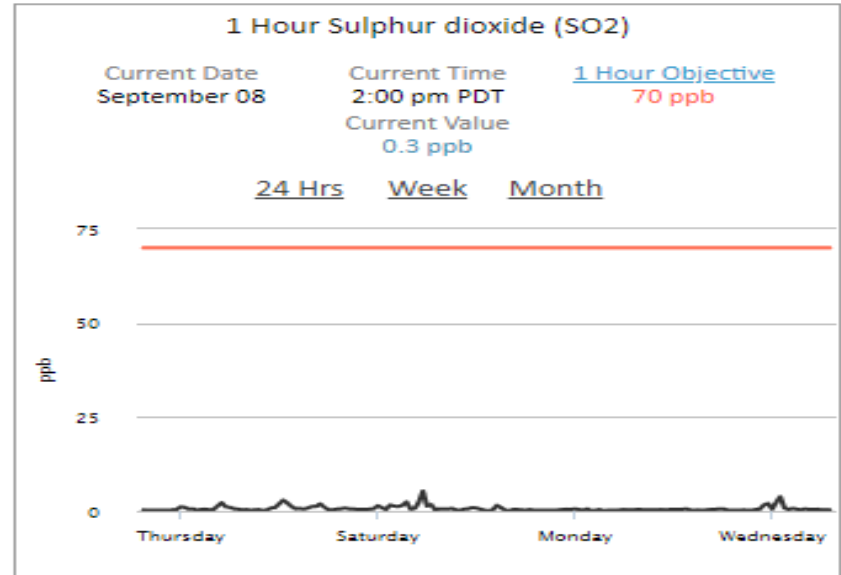
Operational Updates

Air Monitoring



Sulphur Dioxide Trend

Air Quality and Weather by Station
Burnaby North



Information obtained through Metro Vancouver's Air Map at www.airmap.ca

Operational Updates

Tree Update

Area 1 removals completed with appropriate approvals and permits:

- ✓ Oversized alders, cedars, hemlock and holly trees next to Tank 31
- ✓ Hemlocks, birch and cherry trees being the LPG operations booth
- ✓ Dead and leaning trees adjacent to the Gamma parking lot and firehall
- ✓ Willow tree that damaged City sewer lines
- ✓ Snags from trees removed in 2020

Other:

- The Refinery conducting its tree threat mitigation plan for 2021/2022.
- Working with City of Burnaby to determine scope of the mitigation plan.





PARKLAND

2021 Scheduled Maintenance

Through October and part of November, we will complete some scheduled maintenance at the Refinery which will ensure we continue to operate safely and reliably. We understand that maintenance work may at times feel disruptive and want to assure you that our teams of planners and experts are working hard to minimize potential impacts to you and our community.

Here is what you can expect:



When: Scheduled maintenance will start the first week of October to mid-November.



Hours of Work: It's a 24/7 operation with the bulk of activity being performed from 7:00 a.m.- 11:00 p.m.



Traffic: There will be an increase in traffic with the additional contractors on site. There will be a 'no left sign' on Gamma to minimize traffic through residential streets. All traffic will be directed to travel west on Penzance Drive to make their way along Willingdon Ave.



Impacts: Neighbours may experience higher than typical noise and flare levels during the maintenance.

For more information about the scheduled maintenance and the Parkland Burnaby Refinery, please visit <https://www.burnabyrefinery.ca/en/community/news>.

If you have any questions, please contact our Community Relations team at CommunityBC@parkland.ca or 604-257-4040.

The Parkland Burnaby Refinery is committed to safety and COVID-19 Protocols and will continue to follow the latest guidance from the Provincial Health Officer.



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Questions?

Human Health Risk Assessment (HHRA)

- The Refinery is conducting a HHRA on its air emissions. Our existing air permit with Metro Vancouver expires July 2022. The HHRA will support the new air permit application.
- HHRA is a scientific process that predicts the potential nature and likelihood of harmful health effects that may occur if individuals were exposed to chemicals in the environment.
- The Refinery commissioned an independent third party, WSP, to draft the workplan.
- We consulted the community and key stakeholders from August 19 to September 12 and reviewing all the feedback received.

Human Health Risk Assessment (HHRA)

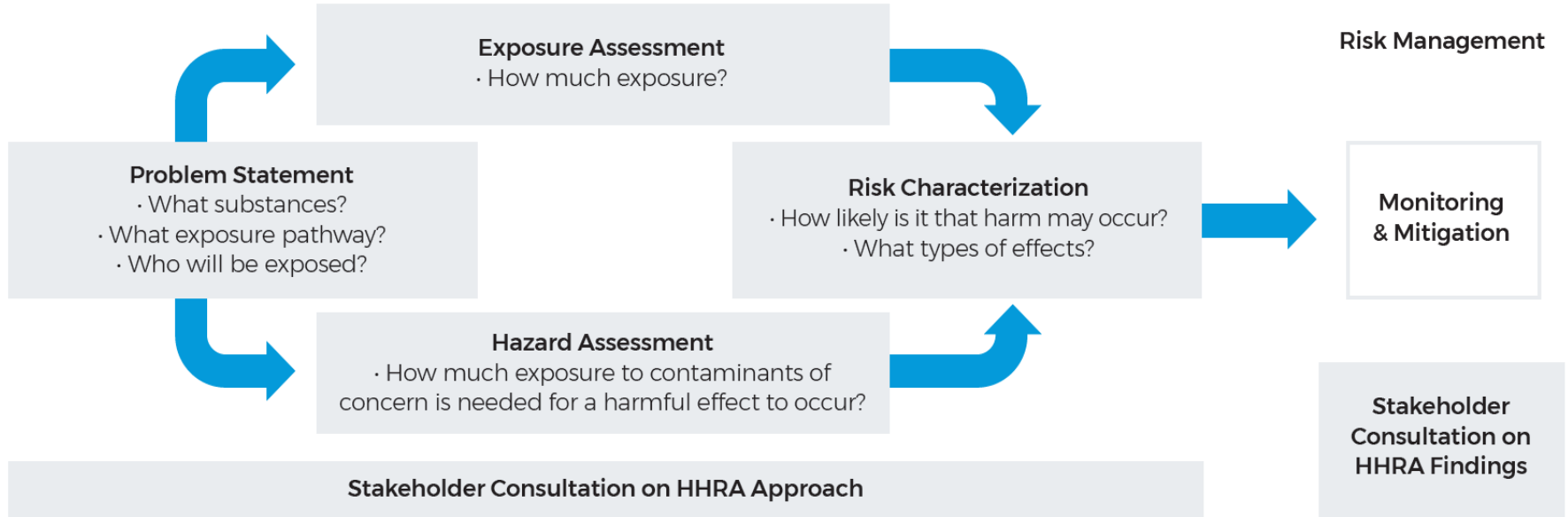
Background

The new air permit application includes the following emission reductions:

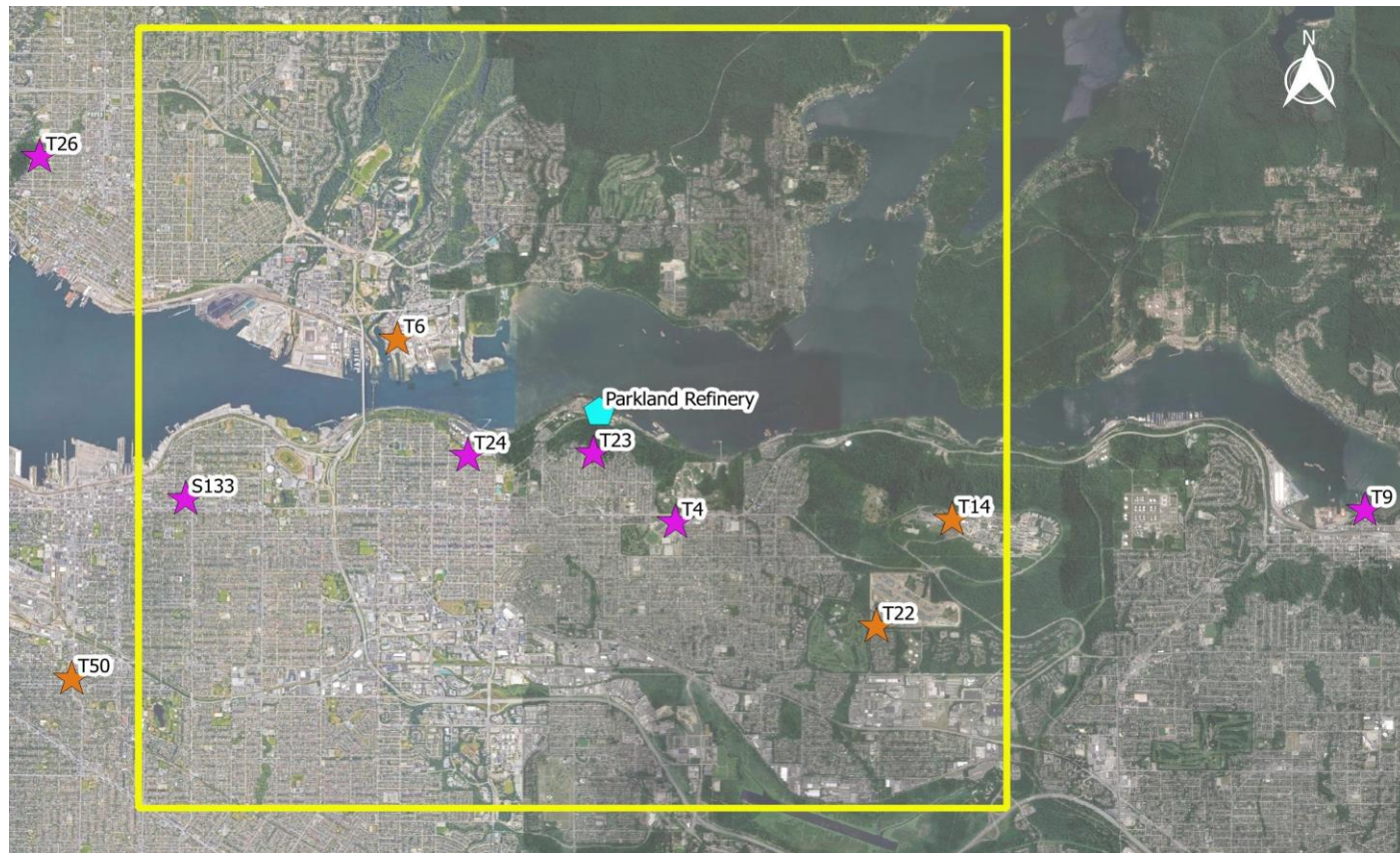
- 18% reduction in Nitrogen Oxides (NO_x),
 - 54% reduction in Sulphur Oxide (SO_x), and
 - 23% reduction in Particulate Matter (PM).
- Regulators and Health Authorities, including Metro Vancouver and Fraser Health, are reviewing study plans and the final report.
 - The study will build off the UBC HHRA study and Metro Vancouver/Fraser Health update, executed in 2002 and 2013 respectively.

Human Health Risk Assessment Framework – Overview

HHRA Process



Human Health Risk Assessment Proposed Study Area



Human Health Risk Assessment Framework

HHRA Schedule



Questions?

Metro Vancouver Update

Notifications to Metro Vancouver

- 26 from May 31 – August 31, 2021

Air Quality Complaints

- June – 11
- July – 7
- August - 4

Odor Survey Conducted

- June - 1
- July – 0
- August – 0

Site Inspections

- June – 2
- July – 1
- August –1

Community Relations Update

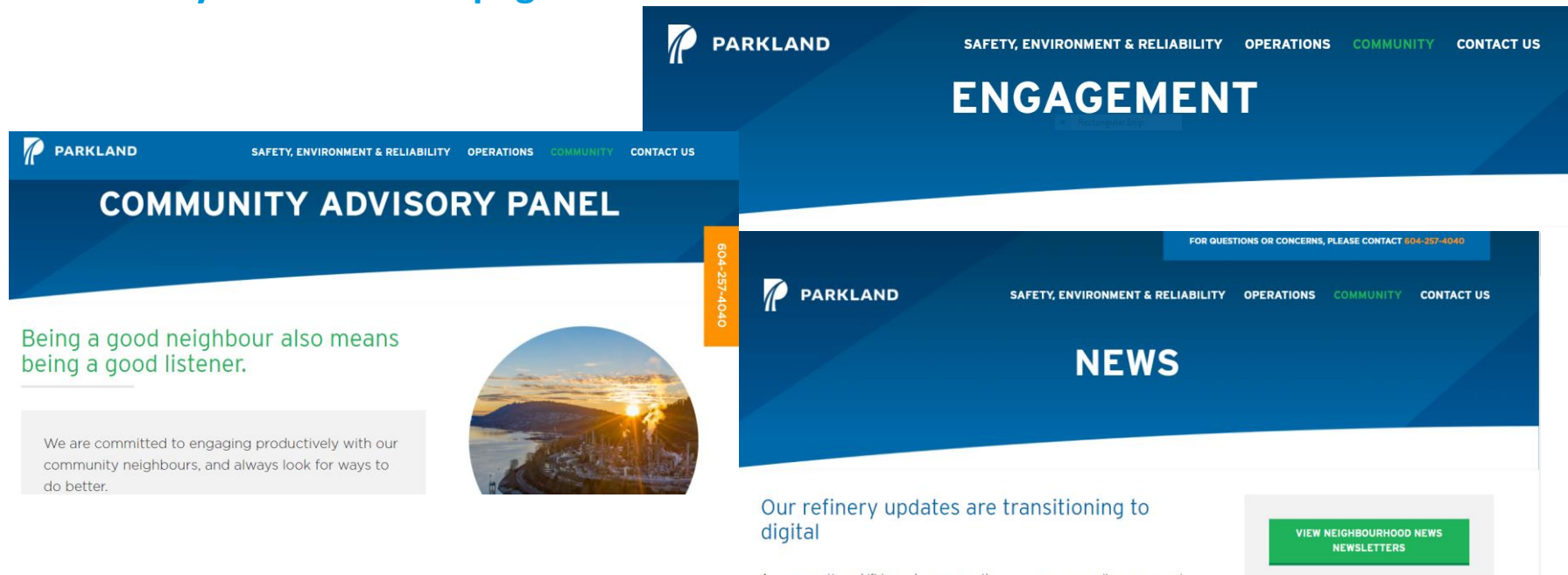
Highlights of feedback from CAP member interview (May-July)

- Tour of the Refinery and orientation session
- Education session/ information component
- Better communication and advance notification on operations and impacts to community
- Tackle traffic issues



Community Relations Update

Community Relations Webpage



Community Relations Update

New community email and community inquire line

CONTACT US

604-257-4040

Community Contact Line

Our Community Contact Line [604-257-4040](tel:604-257-4040) is available to respond to your concerns regarding the Burnaby Refinery. Alternatively, you can email us at CommunityBC@parkland.ca. With your feedback, we can improve as neighbours.

If you become aware of an emergency or life-threatening situation, call 9-1-1.

Community Relations Update

Traffic

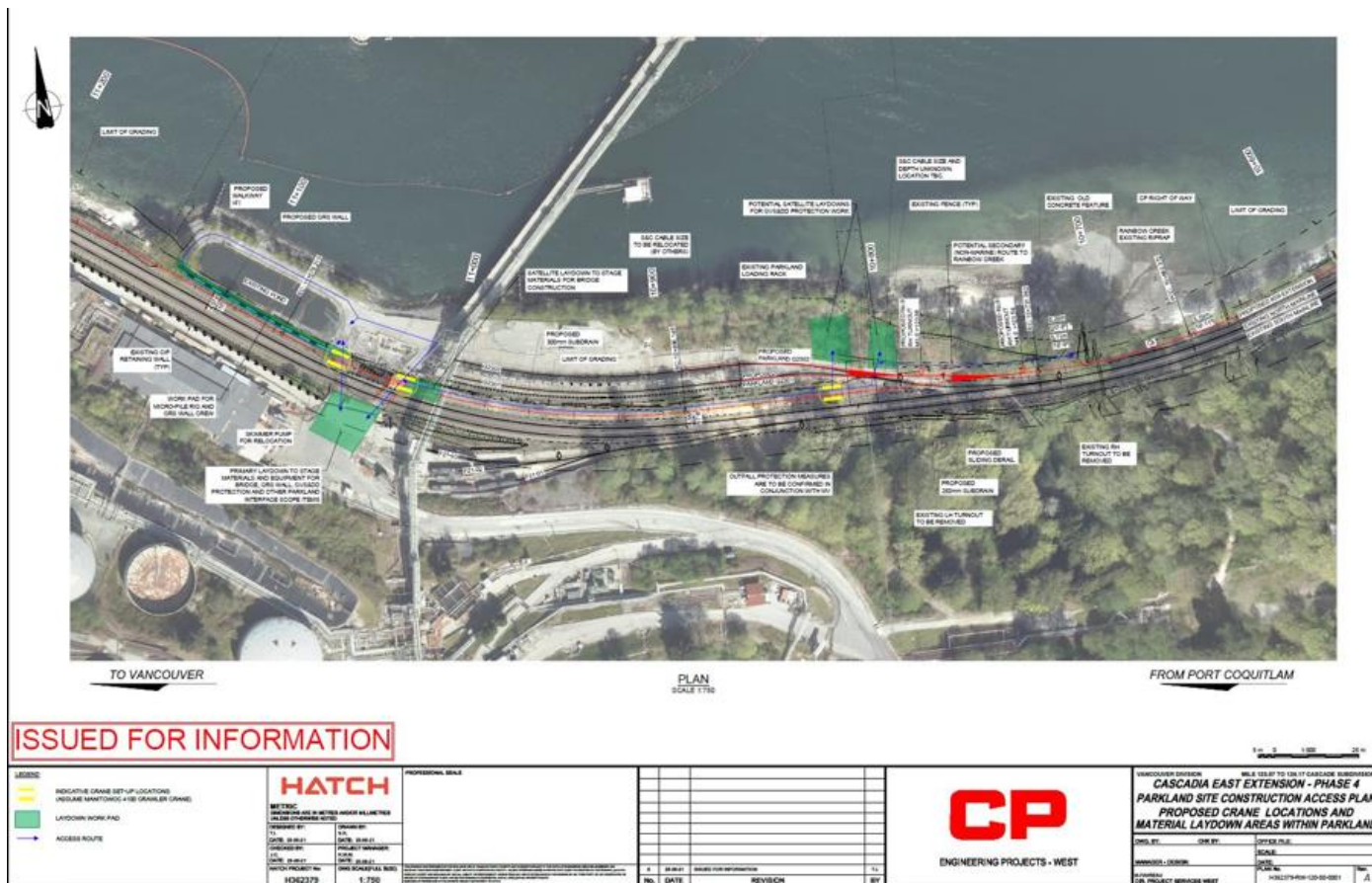


Observed traffic near Area 2 parking lot with a resident on September 2

Community Relations Update – FYI

- **BC Hydro Completed a System Impact Study at the Refinery**
 - Next step is conceptual design
 - This process is led by BC Hydro
- **Connect Coast Project in Vancouver Port**
 - The build is part of the Connected Coast project which is a major fibre optic build spanning the entire BC coast.
 - Goal is to connect over 150 communities with high-speed internet via undersea fibre optic cables.
 - Work anticipated to start December 2021/early 2022 and plan to lay marine fibre-optic cable from the Vancouver Convention Centre, around Brockton point and out the Harbour to Gabriola Island.

CP Third Rail in Area 2



Community Relations Update

City of Burnaby's Mass Notification System – RFP



RFP #095-03/21 | Mass Notification System |
CLOSING DATE: June 16, 2021

TABULATION

COMPANY'S NAME

- 1 Combat Networks Inc.
- 2 Cutcom Software Inc.
- 3 Genasys Communications Canada
- 4 HydeInfoTech
- 5 ICESoft Technologies Holdings Ltd.
- 6 Johnson Controls Canada LP
- 7 Pert Telecom Solutions Private Limited
- 8 Public Emergency Alerting Services Inc.
- 9 RMS Software Inc.
- 10 Rogers Communications Canada Inc.

Interested parties are cautioned not to assume that the lowest priced tender or proposal will be awarded the contract.

Following the posting of company names, bids will be subject to a compliance check and evaluation process.

The posted company names and prices are unverified and provided prior to determining compliance or completing any evaluation process. Each response is subject to review and evaluation in accordance with criteria stated within the competitive bid documents. Therefore, conclusions should not be drawn from this information.

Disclosure of Information for Tenders:

After the closing time, the City of Burnaby shall open the tenders and post the company names and total or lump sum price (including tax) for each tender received up to the closing time.

More information
<https://burnaby.acquiadam.com/embedpdf.php?size=original&embedAssetId=YWpIWtvt5fW23coo>

Questions?



Thank you!

Next CAP Meeting on
December 8, 2021