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To: ["Direct to Mayor and Council - DL"](#)
CC: ["City Manager's Correspondence Group - DL"](#)
["LaClaire, Lon" <lon.laclaire@vancouver.ca>](mailto:lon.laclaire@vancouver.ca)
Date: 5/17/2021 12:35:51 PM
Subject: Memo - Cyclelogistics Pilot Project with the Province of BC
Attachments: Memo - Cyclelogistics Pilot Project with the Province of BC.pdf

Dear Mayor and Council,

Please see the attached memo from Lon LaClaire. A short summary of the memo is as follows:

- The City has received \$200,000 from the BC Ministry of Transportation and Infrastructure for a cyclelogistics pilot. The pilot involves setting up a temporary, shared, small-scale urban logistics hub, for couriers/delivery companies to transfer goods from vans or trucks to make last-mile deliveries by cargo bikes.
- Participating couriers and delivery companies will be selected via an RFP process in summer 2021. The cyclelogistics hub is expected to be set up in fall 2021 and operate until June 2022.
- The pilot will monitor the cargo bike deliveries, and measure key performance metrics including how cargo bike deliveries contribute towards the City's Climate Emergency targets. The pilot learnings will also help inform strategies to facilitate zero-emissions deliveries, such as the Province's CleanBC programs for cargo bike rebates.

If you have any questions, please feel free to contact Lon LaClaire at 604-873-7336 or lon.laclaire@vancouver.ca.

Best,
Paul

Paul Mochrie (he/him)
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The City of Vancouver acknowledges that it is situated on the unceded traditional territories of the xʷməŋəm (Musqueam), lóóvú 7mesh (Squamish), and səliwətał (Tsleil-Waututh) Nations.

MEMORANDUM

May 17, 2021

TO: Mayor and Council

CC: Paul Mochrie, City Manager
Karen Levitt, Deputy City Manager
Katrina Leckovic, City Clerk
Lynda Graves, Administration Services Manager, City Manager's Office
Maria Pontikis, Director, Civic Engagement and Communications
Anita Zaenker, Chief of Staff, Mayor's Office
Neil Monckton, Chief of Staff, Mayor's Office
Alvin Singh, Communications Director, Mayor's Office
Paul Storer, Director of Transportation

FROM: Lon LaClaire
General Manager, Engineering Services

SUBJECT: Cyclelogistics Pilot Project with the Province of BC

RTS #: N/A

The City of Vancouver is partnering with the BC Ministry of Transportation and Infrastructure on a cyclelogistics pilot to enable deliveries by cargo bikes and to assess its benefits and impacts. Cyclelogistics is the use of bikes for deliveries, and its integration within the larger logistics network. This memo outlines the background, scope and timelines of the pilot.

Background

Cargo bikes can deliver goods and services efficiently in urban areas, with more carrying capacity than foot couriers and bike couriers, but having a smaller physical and environmental footprint than vans and trucks. Cargo bike deliveries are a growing trend in many European cities, and many courier and delivery providers in North America are beginning to trial cargo bikes to improve the efficiency and sustainability of last-mile deliveries.

In Vancouver today, cargo bikes are part of the 'missing middle' in the spectrum of delivery vehicles, as their use is not widespread. Cargo bike deliveries need to be supported by a logistics network and infrastructure that is designed for bikes rather than vans and trucks. This integration is referred to as cyclelogistics. A common hurdle identified by delivery companies is the availability, cost, and the process of setting up an urban logistics facility in the metro core, where cargo bike deliveries are economically viable.

Staff are participating in the C40 Cities Zero Emissions Freight Network, and learning from other cities that have, or are in the process of, creating urban cyclelogistics hubs. These projects focus on data and knowledge sharing, and measuring the benefits of cyclelogistics in order to inform future strategies that facilitate or incentivize more delivery carriers to transition to cargo bikes and other low-impact last-mile deliveries. A similar pilot is the Colibri project in Montreal.

Cyclelogistics enables a thriving economy and contributes to meeting the City's Climate Emergency targets for two-thirds of all trips to be by active transportation and transit by 2030, and for 50% of all kilometres driven to be by zero-emissions vehicles by 2030. As cargo bikes are quieter, less polluting, safer, and occupy less space than vehicles, they also support the City's objectives towards people-focused streets and public spaces.

As part of the Province of BC's CleanBC GO Electric Program to encourage and accelerate the adoption of zero-emission vehicles, e-assist cargo bikes are eligible for a purchase rebate.

Cyclelogistics Pilot

The City has received \$200,000 from the BC Ministry of Transportation and Infrastructure to pilot a temporary, shared, small-scale, urban cyclelogistics hub. The hub is expected to accommodate at least two couriers, delivery providers, or logistics companies, who would be selected through a public Request for Proposals (RFP) process, which will be posted in mid-May 2021.

The hub would be used to consolidate deliveries from larger vehicles to cargo bikes, to stage last-mile pick-ups and deliveries by cargo bike, and to charge and maintain the cargo bike fleet. Staff are planning to set up the facility in fall 2021, and are currently assessing potential site locations near the Mount Pleasant Industrial Area, which allows for bike access to all areas of the Metro Core in less than 20 minutes.

A key objective of the pilot is to share knowledge and data between the City and participants. The pilot will monitor the delivery operations and measure key performance metrics to quantify the environmental and livability benefits of cyclelogistics, such as reduced emissions, reduced van/truck stops on streets, reduced noise, and reduced space occupied on streets.

Other key objectives of the pilot are to:

- Identify the facility needs, operational characteristics, and costs to support efficient cyclelogistics;
- Show a proof-of-concept and measure the efficiency of cyclelogistics in Vancouver for different types of logistics models, to encourage other companies to transition to cyclelogistics; and
- Identify the roles and responsibilities of delivery providers and varying levels of government (City, TransLink, and Province) in increasing cyclelogistics.

The pilot is expected to end in June 2022, with the outcomes and next steps determined during the pilot evaluation phase in spring 2022.

The Province of BC will be announcing the pilot in mid-May, and additional information is available on the City's webpage, www.vancouver.ca/cyclelogistics.

Please contact me directly if you have any questions.



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