Attachment 3: Jurisdictional Scan of Emission Reduction Approaches for Vehicle-For-Hire

September 2023

To support the development of the proposed approach for transitioning the vehicle-for-hire (VFH) industry to net zero emissions by 2030, staff conducted a scan of 17 jurisdictions in North America and Europe, including 12 cities (Vancouver, Montreal, Calgary, New York, Sacramento, San Francisco, Columbus, Chicago, Washington D.C., Cambridge, London (UK), and Amsterdam), 3 provinces/states (British Columbia, Quebec, California), and 2 national governments (Canada and the U.S.). National and subnational governments were both included to address the differences in jurisdictional authority related to the VFH industry and emission goals in their regions.

The table below is a summary of findings on areas, such as fee reductions, purchasing incentives, and charging infrastructure. Many jurisdictions had similar net zero goals to the report's proposed 2030 requirements. Many jurisdictions, as found below, take a multi-faceted approach to meeting their emissions goals and supporting industry uptake. In addition to financial incentives, other jurisdictions have engaged in education campaigns, travel or parking restrictions, and reporting requirements. Financial incentives that are available to both industry and the public are also noted in the table below where possible, as they particularly influence the purchasing of zero emission vehicles and the installation of vehicle chargers.

Jurisdiction	VFH Emission Reduction Goal	Fee Reduction	Purchasing Incentive	Charging Infrastructure	Other Initiatives or Supports
Vancouver	By 2030, 50% of kilometres driven on Vancouver's roads will be by zero emission vehicles (ZEV)	100% discount to ZEVs and accessible vehicles for taxicab and limousine licensing fees 80% discount in licensing fees for ZEVs driven by private transportation companies	N/A	All new development permit applications require 100% of residential parking stalls be electric vehicle (EV)-ready. Owners of existing rental buildings can apply to have City-owned EV chargers installed. The City of Vancouver will pay up to $93,000 for the infrastructure, including EV chargers	10% of all parking stalls will be reserved for ZEVs 30 cent fee applies to each pick-up and drop-off by ride-hailing vehicles in the Metro Core between 7am-7pm, unless it's a ZEV (50% discount) or accessible vehicle (100% discount)
Province of British Columbia	By 2030, 90% of light-duty vehicle sales will be zero-emissions. 100% by 2035.	N/A	All BC residents can apply for a rebate of up to $4,000 for the purchase or lease of a new ZEV retailed under $55,000. Individual incomes above $100,001 are not eligible for the rebate.	A business can apply for an EV charger 50% rebate for a maximum of four of their workplace sites, resulting in a maximum project rebate of up to $100,000. Multi-unit residential building can apply for rebates for the installation of EV chargers. Single-family homes, row homes, duplexes or townhouses can get a rebate of up to 50% of the purchase and installation costs of an eligible Level 2 EV charger, to a maximum of $350 (funding exhausted in June 2023)	

Montreal	By 2030, Montreal plans to establish a zero-emission zone in the downtown core	N/A	N/A	Installed nearly 1,000 public chargers to date and has plans to install an additional 600 Level 2 and 60 fast-charging chargers by 2023.	Recent issues of the magazine *Bulletin Taxi le Journal* have included interviews with owners of EVs, information on purchasing used EVs, charging stations, and budgeting tools to calculate and compare costs of EVs.
Province of Quebec	By 2030, 2 million electric vehicles on Québec's roads with the aim of decarbonizing 40% of all taxis.	N/A	Provides financial assistance for the purchase of an electric vehicle for use as a VFH up to maximum of $3,000. Only full-time drivers qualify and must drive for a minimum of 30 hours per week or 2,000 trips per year. All Quebec residents can apply for a rebate of up to $7,000 for the purchase or lease of a new ZEV retailed under $65,000.	Rebates for installation of EV chargers: $600 for the purchase of a home charging station; up to $5,000 per connector for charging stations installed at workplaces, and up to $5,000 per connector for charging stations installed at multi-unit buildings.	*The Taxi Industry Modernization Support Program* offers VFH drivers of new zero emission vehicles $0.055 per kilometer, up to a maximum of $3,000. For used vehicles, the maximum aid available ranges from $1,000-$2,500
Calgary	By 2030, all new livery transport passenger vehicles licensed to operate will be ZEV.	Offers a 50% reduction in parking fees for fully electric car share vehicles	N/A	By 2030, there will be a requirement for 100% of new residential construction to be built to an EV-ready standard. In addition, there will be a 10% EV-ready requirement for new commercial construction with 90% conduit readiness	N/A

Canada	By 2050, net zero emissions.	N/A	Rebate of up to $5,000 on the purchase of a ZEV until 2025, or until funding runs out. In addition, the Federal Government is offering taxicab owners an enhanced first-year capital cost allowance on the purchase of eligible ZEV of 100% before 2024, and 75% between 2024-2026. Individuals will not be eligible for this tax deduction if they have already taken the federal government's rebate.	N/A	N/A
New York	By 2030, the NYC TLC is committed to transitioning the vast majority of its licensed fleet to EVs and requiring Uber and Lyft to operate as a fully zero emission platform	N/A	N/A	*Charge Ready NY* provides $4,000USD per charging port at public facilities and $2,000USD per charging port at workplaces or multi-unit residential buildings in New York City.	Amidst its moratorium on ride-hailing licenses since 2018, New York City issued 1,000 new licenses exclusively for EVs in March 2023.
Sacramento	N/A	N/A	N/A	N/A	During a year-long pilot project in 2018/2019, Sacramento Municipal Utility District contributed $1.25USD per mile to Uber drivers using electric vehicles. Uber also contributed an additional $0.25USD per mile, for a total of $1.50USD per mile going to EV drivers.

San Francisco	N/A	N/A	*2021 Clen Air Taxi Rebate* up to $11,800 per qualifying vehicle to taxi companies, medallion holders, and drivers who purchased an electric or hybrid vehicle.	Since 2018, San Francisco has required all new residential and commercial buildings to have 10% of parking stalls ready for EV charger installation, 20% of stalls to have the electric capacity for Level 2 Charging, and conduit pathways for future electrical installation	N/A
State of California	By 2030, rideshare companies will achieve zero emissions and 90% of their vehicle miles will be fully electric	N/A	*The Clean Vehicle Rebate Project* offers rebates between $1,000-7,000USD for the purchase or lease of new, eligible ZEV	N/A	Every rideshare company exceeding 5 million annual vehicle miles traveled must submit a GHG emission reduction plan every two years
Columbus	By 2050, net zero carbon emissions	N/A	40 $3,000USD rebates in 2018 and 2019 to central Ohio-based ride-hailing drivers making the switch to new EVs. Drivers were required to have driven 10,000 miles for ride-hailing services before receiving the rebate	N/A	N/A

Chicago	By 2040, reduce carbons emissions by 62% with support for equitable electrification of ride-hail and taxi fleets by 2030	Municipal fees are differentiated depending on if it is a shared trip or a single trip: shared trips outside of downtown - $0.65USD, shared trips within downtown and single-person trips outside of downtown - $1.25USD, and single person trips downtown - $3.00USD	N/A	N/A	New license class for low-speed electric public passenger vehicles (maximum speed of 30MPH)
Washington, D.C.	By 2030, 50% of taxis and limousines must be low-or-zero-emission vehicles.	N/A	N/A	N/A	Since February 2022, all private VFH companies must submit a GHG reduction plan every two years. The plan must include strategies to increase the number of VFH drivers using ZEVs and to increase the proportion of vehicle miles completed by ZEVs.
Seattle	By 2030, all ride-hailing trips will be emissions free	N/A	N/A	N/A	*The Clean Transportation Electrification Blueprint* commits the City to develop proposals, such as potential incentive programs, funding and zero-emission zones to achieve its goals.
U.S.A	By 2050, net zero government emissions	N/A	Qualifying EVs may be eligible for a federal income tax credit of up to $7,500USD	N/A	N/A

Cambridge, UK	Since April 2020, all new taxis must be ultra-low or zero emissions. All taxis must meet this requirement by April 2028.	100% discount for new or renewing private hire vehicle and taxicab licenses with a ZEV. Funded for the next 5 years through the council approved general fund	N/A	Installation of taxi-only rapid charge points (cost of £626,000 over 3 years)	Exploring Clean Air Zones—areas within the city where targeted action is taken to improve air quality, including working with local taxi firms and bus operators to encourage the use of ultra-low and zero-emission vehicles.
London, UK	By 2030, net zero carbon city. All private hire vehicles licensed for the first time in 2023 must be zero emission capable	N/A	Up to £7,500 off the price of a new zero emission capable taxi	By 2025, develop 5 rapid hubs (minimum of 6 rapid chargers allowing 6 or more vehicles to be charged simultaneously) Identified sites for 100 rapid charge points to be operational by end of 2023.	Taxi de-licensing to support the removal of vehicles who have an older Euro 3, 4 or 5 vehicle emission standard. First-time taxi vehicle licenses are no longer granted to diesel taxis
Amsterdam, NL	By 2030, all forms of transportation emissions-free.	N/A	€5,000 subsidy for the purchase of a new electric taxi (maximum 5 taxis) in 2019	N/A	N/A