

2017 HYBRID/ELECTRIC FLEET COMPOSITION

SUMMARY

From January 2016 to January 2017, the number of registered hybrid vehicles in Calgary's taxi fleet increased from 464 to 500 (Table 1), bringing the overall fleet composition (out of 1659 Taxi Plate Licenses, or TPLs) to 30 per cent hybrid.

At present, there are zero (0) fully electric taxis (ETs) on Calgary's fleet and one (1) fully electric vehicle registered to a licensed transportation network driver.

BACKGROUND INFORMATION

It is LTAC's practice to regularly monitor the number of hybrid vehicles in Calgary's taxi fleet. With the new Transportation Network Drivers License (TNDL) category, the same tracking has been provided. As well, the tracking has been expanded to also include fully electric vehicles.

INVESTIGATION

Table 1: 2010-2017 Snapshot of Taxi Fleet Composition

Date	Total number of TPLs	Number Hybrid	% Hybrid	Number Fully Electric	% Fully Electric
2017 January 30	1659*	500	30%	0	0
2016 January 21	1659	464	28%		
2015 February 5	1652	428	26%		
2014 February 13	1526	313	21%		
2013 March 18	1466	234	16%		
2012 April 11	1411	146	10%		
2011 Feb 8	1411	76	5%		
2010 May 17	1411	52	4%		

*Does not yet include the 222 plates approved 2016 November 28.

Table 2: Snapshot of TNC Fleet Composition

Date	Total number of TNDLs	Number Hybrid	% Hybrid	Number Fully Electric	% Fully Electric
2017 January 30	1045	34	3%	1	~0%

Electric Taxis

Around the world, electric taxis (ETs) are beginning to gain prominence. With costs coming down and range increasing to upwards of 350 km on an 80 per cent charge, the livery industry is a good candidate for early adoption of these vehicles, as was the experience with hybrid technology.

Meanwhile, The City of Calgary is currently working on an Electric Vehicle Strategy (<http://www.calgary.ca/Transportation/TP/Pages/Strategy/Electric-vehicle-strategy.aspx>; Attachment). LTAC and Livery Transport Services (LTS) are being engaged in the development of this strategy. One consideration, for example, is to provide input into the network of charging stations and how this could potentially be optimized for taxis.

2017 HYBRID/ELECTRIC FLEET COMPOSITION

STAKEHOLDER ENGAGEMENT OR RESEARCH CONDUCTED

LTS captures the fuel type of registered livery vehicles. A snapshot report called “Hybrid Taxi Registrations” was run on 2017 January 30.

CURRENT AND FUTURE FINANCIAL IMPACTS

None.

RECOMMENDATIONS FOR LTAC TO CONSIDER

That LTAC receive this report for information.

SUBMISSIONS PRESENTED BY: *Marcia Andreychuk, LTAC Business Analyst*