

Applicant Submission



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August 15th, 2023

Via Email: angelique.dean@calgary.ca

Angelique Dean
Senior Planner, Community Planning - South
City of Calgary

Dear Angelique,

Subject: JOLT EV Charging Facility Proposal Information Package

Overview

JOLT's mission is to make electric transport more accessible and equitable to Canadians through zero cost, fast charging. JOLT is building a large-scale network of electric vehicle (EV) charging stations across Canada and the City of Calgary has been chosen as a preliminary market. Cypress Land Services Inc., in our capacity as agents to JOLT, is submitting this information package (Information Package) as part of the Land Use Redesignation application required for a number of these charging stations.

Proposal Details

JOLT is proposing to install a number of LEVEL 3 DC fast charging stations in the City of Calgary to enhance the City's public EV charging network. Each EV charging station is equipped with a cable retraction system to charge one vehicle at a time, and an electronic display sign for advertising, which enables the free public charging amenity. JOLT has completed sign drawings with dimensions, seen in **Appendix A: Dimensional Drawing**, and has provided **Photo Renderings, Appendix B** of the unit.

The Charger:

- ❖ 25kW DC fast charger
- ❖ CCS-1 Compatible (compatible with most electric vehicles)
- ❖ 24/7 remote monitoring of screens and chargers
- ❖ IP55+ weatherproof rating
- ❖ App-based charging experience

The Display:

- ❖ 75-inch electronic screen (on both sides of installation)
- ❖ Static third-party advertising
- ❖ Vandal-resistant glass with a graffiti-resistance finish
- ❖ 3500 nit luminance with ambient light meter

Purpose and Rationale

Electric vehicles are a key contributor to achieving greenhouse gas emissions reduction targets in Canada. With the rapidly surging demand and sale of EVs, we are quickly moving closer to a zero-emissions future, but the demand is currently outweighing the supply of public charging infrastructure. JOLT’s purpose is to make electric transport more accessible to drivers through zero-cost fast-charging in urban areas of Calgary. Using innovative tech, enabled by partnerships, we are providing a functional and sustainable charging network that runs off renewable energy.

Benefits:

- ❖ Zero cost to cities and landowners. JOLT will build, operate, and maintain chargers at no cost.
- ❖ 45km of free DC fast charging per day, saving EV owners over \$900 per year.
- ❖ 17-22 minutes of average charging time.
- ❖ Integrates well with existing parking policies and systems.

Site Selection

JOLT is proposing several EV charging stations on a number of private commercial properties around the City in high-traffic areas. JOLT has entered into lease agreements with the landowners. These charging stations are located on commercial properties to provide community members with dependable and free EV charging while out shopping, dining, and running errands. The EV chargers are to be located in close proximity to high traffic areas for visuals of the advertising sign, enabling JOLT to provide the free public charging amenity. (See Appendix C: Site Plans and Photos).

Proposed Site Locations

	Address	Location of Installation	Type of Application
1	*2515 90 Avenue SW (Oakbay Plaza)	On north side of parking lot, facing 90 Ave SW	Land Use Text Amendment
2	*3939 17 Avenue SW (17 th Ave Village Shopping Centre)	On north side of parking lot, facing 17 Ave SW	Land Use Text Amendment
3	4337 Macleod TR SW	On east side of parking lot, facing Macleod trail SW	Land Use Text Amendment
4	781 Northmount DR NW	On north side of parking lot along Northmount DR NW	Land Use Text Amendment
5	1124 17 Ave SW	(Awaiting Site Plan)	Land Use Text Amendment
6	1216 10 Ave SW		DP Only
7	10325 Bonaventure DR SE (Willow Park Centre)		DP Only

**In some cases, the charging unit may need to be separated from the display screen. Please see the associated Site Plans in Appendix C.*

Consultation Process

While this letter initiates JOLT's formal application with the City of Calgary for internal review, JOLT has been discussing these proposals with the City of Calgary for many months. Because of the unique nature of this proposal, it has been determined in conjunction with the planning department, that these charging stations must adhere to the local zoning bylaw and will require a Development Permit Application for a Digital Message Sign. 5 of the 7 signs will require a land use amendment, as seen on the previous chart. Therefore, JOLT will follow any consultation requirements for these types of applications moving forward.

Land Use Amendment Application

The digital signs on these charging stations cause the units to be classified as "Sign – Class G", (Digital Third-Party Advertising Sign) because the display copy directs attention to services or commodities sold elsewhere than on the site the sign is located. Therefore, the 5 locations identified in this application require a land use redesignation to Direct Control (DC) Districts in order to add the new defined use. All 5 sites form one (1) land use application as advised by the planning department.

Conclusion

We look forward to working together during this process. Please do not hesitate to contact us by phone at 604-620-0877 or by email at kristina@cypresslandservices.com.

Thank you in advance for your assistance and consideration.

Sincerely,

CYPRESS LAND SERVICES
Agents for JOLT



Kristina Bell
Land Use Planner

cc: Ryan Mckeown, JOLT Charge Pty Ltd.