

OTTERSPACE

ELECTRIC VEHICLE

City of Laramie
ATTN: Todd Feezer, Assistant City Manager
406 East Iverson
Laramie, WY 82070

December 20, 2022

Dear Mr. Feezer,

OtterSpace Electric Vehicle is pleased to share a preliminary proposal for your consideration for OtterSpace EV to develop electric vehicle charging stations on City-identified properties throughout Laramie. We hope that this proposal is favorable and meets the City's needs; these components are negotiable, and we are excited to follow up and continue the conversation.

We have proposed two phases of work for this initial partnership, with the possibility of developing other sites in the future as demand allows.

Phase 1: Installation of Level 2 chargers in downtown/high traffic locations, spring 2023

Phase 2: Develop a fast charging station at the Snowy Range I-80 interchange, 2023-2024

About OtterSpace

OtterSpace is a new, Wyoming-based company focused on owning and operating EV charging solutions scaled and developed for a range of community needs. At a time when EV traffic is increasing exponentially, we want to be sure that our main streets, attractions, and local businesses are in a position to readily welcome this class of driver. We are happy to provide information on request concerning other projects that we are working on around the state.

Partnership with OtterSpace would ensure that utility and installation costs associated with EV charging, as well as maintenance responsibilities and the cost of electricity to support EV charging, do not fall on the City of Laramie. Our local and statewide personnel will also be able to respond quickly to ensure that the infrastructure provides a high quality and reliable service; our retained master electrician, for example, is Laramie-based. We strive to make it easy for partners to benefit from the foot traffic generated by EV charging, while bearing none of the financial burdens.

OtterSpace partners with EV Connect as our national network and charging service provider, and both L2 and DCFC installs would be enabled through this network. EV Connect's service ensures availability of real-time charger statistics, card swipe and app capability, and supports a 24/7 customer service line.



Phase One

OtterSpace would like to propose moving forward in Spring 2023 to site Level 2 chargers in up to four priority locations around Laramie, to be determined in close partnership with the City. If it meets the City's interest, we are very willing to reach out to potential retail partners (e.g. at UW Plaza and Safeway) to supplement chargers located on City property with chargers in priority retail locations. We would strive to place chargers in a variety of locations so that they would not directly compete with one another, and would hold travelers in a variety of locations throughout Laramie.

Our first priority location for a L2 installation would be the City parking lot at 2nd and Custer Street. We would move forward with ordering and installing L2s at the City's earliest convenience. The unit we would likely use for these installations is a BTC dual port 40A pedestal charging station. We have attached specs for this unit to this letter.

Phase Two

We would also like to partner with the City of Laramie to establish a NEVI-compatible DC fast charging station at the City property located adjacent to the I-80 Snowy Range interchange. For this project we would seek to install two 150 kW DCFC units with two plugs each, meeting the NEVI program standards for interstate stations. OtterSpace would work closely with the City of Laramie on the design and development of this site to ensure it met the City's needs and fit within the City's ideal vision for accessible charging.

In order to proceed with this project, we would pursue NEVI funds. Timeline of developing this project would depend on when these funds become available, but we would move expediently to design and develop this site to bring it into operation as soon as possible.

Next steps

We hope that this proposed approach is favorable to the City. Please don't hesitate to reach out with any questions or to discuss these ideas further. We have included sample L2 specifications and information about our team in the following pages. We are happy to supply a lease and service agreement template upon request as well.

Best regards,



Kristen Gunther, VP of Strategy and Partnerships

CC: Mike Yin, President and Founder, OtterSpace EV



About OtterSpace

Key Personnel

Mike Yin, President and Founder, OtterSpace

Kristen Gunther, Vice President of Strategy and Partnerships, OtterSpace

Preferred Partners:

Jorgensen Engineering (Jackson/Pinedale) – site design and project planning

EV Connect – national charging network provider

Adam Grussendorf, AMG Electric (Laramie) – master electrician

About the company

OtterSpace was built to serve Wyoming communities and operate projects that meet the genuine needs of towns and local businesses around this state. As interest, adoption, and investment in electric vehicles dramatically increases, we are pleased to enter the market as a Wyoming company that offers reliable, nationally-networked fast-charging service with local focus and responsiveness.

Our intention is to work statewide, with the goal of standing up multiple fast charging stations by the end of 2023. We have projects in progress with the Town of Pinedale and Fremont County Museums to stand up fast charging operations, and are building partnerships statewide with businesses and local governments to identify other priority projects.

Because fast charging projects are capital intensive, we are planning to seek grant support available through the state via the VW settlement funds, and pursue other grant opportunities as appropriate. Applying these funds will allow us to more quickly implement projects in the key areas identified by WYDOT and by municipal and business leaders, offering a valuable fast charging service alternative to national companies who do not field in-state personnel.

We are organized as an LLC and registered in Wyoming. Our substantial long term financing ensures that our company can support any charging stations installed for at least ten years. Our business model prioritizes longevity over expansion, meaning that once stations are underway or installed, our emphasis would be on ensuring these sites provide an excellent charging service versus on expanding our network.



AC Level 2 40A SINGLE or DUAL PORT CHARGING STATION (Pedestal)

MODEL	SINGLE PORT		DUAL PORT	
	MODEL Number	EVP-2001-40-P-0001	MODEL Number	EVP-2002-40-P-0001
	PRODUCT Number	L2P-40-240-16-001	PRODUCT Number	L2P-40-240-15-001
Power per Port	9.6 kW (240VAC @ 40A)			

ELECTRICAL SERVICE	
Power	240/208 VAC, 40A Load with 50A Branch Circuit Per Port
Service Panel	50A Breakers per Port (No GFCI)
Service Wiring	3-Wire (L1, L2, Earth Ground) 5-wire (L1, L1, L2, L2, Earth Ground)

FUNCTIONAL INTERFACES		SAFETY AND CONNECTIVITY	
Connector Type	SAE J1772	Ground Fault Detection	20 mA
Charging Protocol	SAE J1772	Plug-Out Detection	SAE J1772
Standard Cable Length	25 ft	Power Measurement (opt)	Accuracy: 1% - 5%
Cable Retractor	Optional (Cable 18 ft w/ Cable Management)	Power Report Interval	Every 15 minute on the hour
LCD Display	500 Nits, 7" Color, 800 x 480, UV Protected	Wireless	2.4 GHz Wi-Fi (802.11 b/g/n)
Card Reader	ISO 14443 Type A & B, ISO 18092 NFC	Wide Area Network	4G Modem
		Communication Protocols	OCPP 1.5 and 1.6 Compliant

SAFETY AND OPERATION	
Enclosure Rating	NEMA 3R
Regulatory Compliance	ETL Certified for USA and cUL Certified for Canada; Complies with UL 2594, UL 2231-1, UL 2231-2, and NEC Article 625, EMC: FCC Part 15 Class A
Operating Temperature	-30°C to +60°C (-22°F to 140°F)
Storage Temperature	-50°C to +80°C (-58°F to 176°F)
Humidity	95% Non-Condensing

- ▶ SINGLE or DUAL PORT, 40A, LEVEL 2
- ▶ CHARGING PROTOCOL: SAE J1772
- ▶ 9.6 KW PER PORT
- ▶ 25 FT or 18 FT with CABLE RETRACTOR
- ▶ NEMA 3R HOUSING
- ▶ RFID READER
- ▶ OCPP COMPLIANT – STANDARD
- ▶ 7" COLOR SCREEN – STANDARD
- ▶ UL COMPLIANT – ETL CERTIFIED
- ▶ OPTIONS:
 - > CABLE RETRACTOR
 - > CREDIT CARD READER
 - > CREDIT CARD SCANNER

