



JEDC.org  
612 West Willoughby Ave. Suite A  
Juneau, AK 99801  
Phone 907-523-2300  
Fax 907-463-3929

December 30, 2015

Kim Kiefer, Manager  
City & Borough of Juneau  
155 South Seward Street  
Juneau, Alaska 99801

RE: FY17 MARINE PASSENGER FEE PROCEEDS REQUEST – COMMERCIAL VEHICLE CHARGING STATION

Dear Ms. Kiefer:

Electric buses provide significant benefits including savings in fuel and maintenance expenses for the operator, and a reduction in the environmental impacts associated with operating a diesel coach. In Juneau, a diesel to electric conversion eliminates emissions and dramatically lowers noise levels, all while reducing the quantity of potentially contaminating fluids required to operate the vehicle. These benefits extend to tour companies, visitors, and locals alike.

An essential truth for Juneau to realize the potential for electrified transportation in the tourism industry is the need to provide charging infrastructure sufficient to support the duty cycles of battery-powered coaches, shuttles, and vans. This becomes especially true for vehicles that reduce battery storage capacity to lower capital cost of the vehicle and instead rely on intermediate charging for full, daily service. Providing a single, high-power, Level II charger – with conduit sized to support a future upgrade to a Level III DC fast charger – near the cruise berths downtown would provide a foundation for early adopters of commercial electric vehicles in the tourism industry.

While a final location for a charging station would need to be coordinated with the Port Director and Docks and Harbors board, initial investigation suggests existing AEL&P transformers near the cruise berths could support a dedicated service for a 10-20 kW Level II charger utilizing the SAE J1772 standard connector. Assuming a suitable location exists within 150-200' of an existing transformer, a \$25,000 award would pay the cost to install the service, conduit, and charging station, as well as provide for some time to coordinate the location and signage.

Electrification of transportation is a community value, and this installation would help progress towards the communitywide goal of a 25% reduction in GHG emissions by 2032, as identified in

the CBJ Climate Action and Implementation Plan. The Juneau Economic Development Council, through the effort of the Renewable Energy Cluster Working Group, makes this request as an initial, valuable step toward enabling a transition from four vehicles powered by petroleum to local, renewable hydroelectricity.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Holst". The signature is stylized and cursive.

Brian Holst  
Executive Director