

Proponent Testimony – HB 2499

February 11, 2020

Chairman and Committee Members:

I have driven electric cars for the last six years. My experience began with a limited commute. Charging was done at home. Recent improvements to the charging infrastructure allow me to drive anywhere in the country. Progress is happening at a staggering pace.

It is estimated that 5-10% of the US population will purchase electric vehicles in the next ten years. If Kansas follows that trend, 55,000-100,000 households will own an electric vehicle. In my experience, I have four coworkers that drive electric, from Tesla to Chevrolet.

#### Fast Chargers

Fast chargers service a large portion of the state, but do not cover most of Highway 400 outside of the Wichita area. See separate graphic for details.

Fast chargers are essential, but the money required (\$10,000-40,000) means a poor return on investment in low-population areas. These need to be built by government entities or subsidized by this credit.

#### Level 2 Chargers

Level 2 chargers are much more affordable, with a pre-credit installation cost of \$800-2,000.

Businesses and employers are hesitant to invest in these, however. This credit will likely make the difference for thousands of locations.

#### Benefits

- Attract new customers, employees, and residents
- Improve corporate/city image
- Motivate current residents/employees to purchase an electric vehicle

#### EV Adoption

In recent polls, 60% of respondents said they would likely purchase a plug-in vehicle if their employer provided workplace charging.

Adoption of electric vehicles has the benefit of keeping road taxes in the state of Kansas, since all fees are paid during registration.

Oklahoma has used a similar tax credit to provide charging to most of their state, and all their highways. EV adoption has tripled year over year, while Kansas has barely risen. I don't think this is a coincidence.

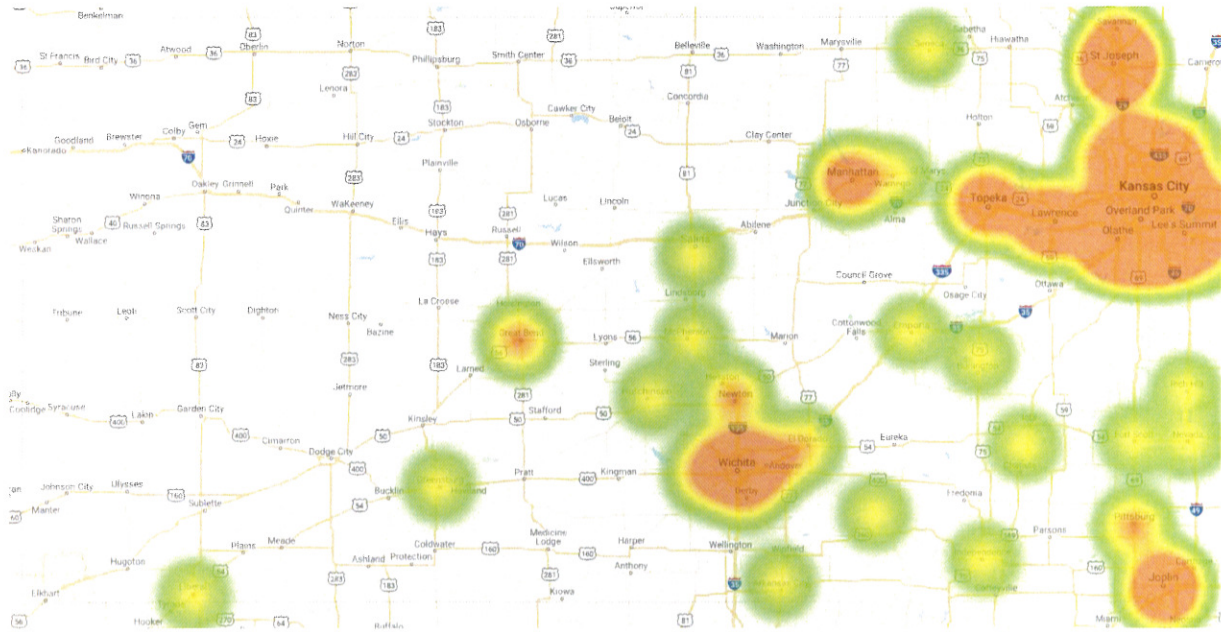
Thank you for your time, and please lend your support to HB 2499.

Respectfully,



Jonathan Lucas  
Towanda, KS

## Level 2 Charger Density – Areas within 25 miles of a Level 2 Charger Replenishes 12-25 miles of range in 1 hour, excellent use case for employers



## DC Fast Charger Density – Areas within 90 miles of a DC Fast Charger Replenishes 90 miles of range in 15-30 minutes, necessary on highways and in large cities

