

HB 2121 Testimony (neutral) – 3/7/2025 – Jason Carmichael

HB2121 is chasing the wrong end of EV road tax.

There is a way to get the road tax already. This is at the source of the energy distribution. Just like at the pump with the 0.71 cent per kiloWatt-hour (kWh) charged in the energy quantity sold (aka 24 cents per gallon).

Evergy has an EV charging option where the 0.71 cent per kWh can be collected.

This would account for the estimated 85 to 90 % of where all EVs are fueled.

1 Gallon of Gas is 33.7 kWh of energy. $24\text{cents} \div 33.7 \text{ kWh} = 0.71 \text{ cents/kWh}$.

1 option is a dedicated meter and the other is "Nights and weekends" off peak fueling.

<https://www.evergy.com/manage-account/rate-information-link/plan-options/ev-only>

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24 Cents per Gallon of Gas and 28 Cents per Gallon of Diesel averages out to 0.71 cents per kWh, the state road tax for E85 Gas, 17 Cents per Gallon. E85 has 23.97 kWhs of energy. $17\text{cents} \div 23.97 \text{ kWh} = 0.71 \text{ cents/kWh}$



Please see the attached spreadsheet.

Thanks,

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KS-S28

	https://en.wikipedia.org/wiki/Gasoline_gallon_equivalent				
Energy Type	kWh	Road Tax KS	Road Tax FD	Leaking Tank Fee	Total Road Tax
Diesel	37.95	\$0.260	\$0.244	\$0.010	\$0.514
Gas S	33.56	\$0.240	\$0.184	\$0.010	\$0.434
Gas W	32.97	\$0.240	\$0.184	\$0.010	\$0.434
E85	23.97	\$0.170	\$0.184	\$0.010	\$0.364
Propane	26.82	\$0.230	\$0.183		
LNG	21.98	\$0.240	\$0.243		
Kerosene	37.54	\$0.000	\$0.244		
Electricity	1				
Energy Type	 KS \$ per kWh	AVG KS \$	 FD \$ per kWh	AVG FD \$	
Diesel	\$0.00685	Average \$	\$0.00643	Average \$	
Gas S	\$0.00715	per kWh KS	\$0.00548	per kWh FD	
Gas W	\$0.00728		\$0.00558		
E85	\$0.00709	\$0.00709	\$0.00768	\$0.00629	
Propane	\$0.00858		\$0.00682		
LNG	\$0.01092		\$0.01106		
Kerosene	\$0.00000		\$0.00650		
Electricity	\$0.00000	This should be.	\$0.00000	This should be.	
It appears that E85 is charged the average \$ per kWh of Gas and Diesel.					
Electricity should be charged the same \$ 0.00709 per kWh as the other energy forms.					