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Monday, February 27, 2023

To: Public Utility Commission of Texas

Re: Docket # 53719, A support letter for Entergy Texas' filing with the Public Utility Commission of Texas to be able to offer its services as part of their currently pending base rate case, two voluntary rate riders to better meet its customers' transportation electrification needs.

Dear Sir/Madam:

As a professor of Electronics and Computer Engineering Technology at Sam Houston State University, and former President of North American University in Texas, I am strongly supporting Entergy Texas' filing with the Public Utility Commission of Texas to be able to offer its services as part of their currently pending base rate case, two voluntary rate riders to better meet its customers' transportation electrification needs.

I strongly believe the proposed Transportation Electrification and Charging Infrastructure (TECI) and Transportation Electrification and Charging Demand Adjustment (TECDA) Rider's support and advance our Governor's priority through voluntary solutions funded by the customers seeking them. These types of optional offerings would allow organizations in the business industry as well as higher educational institutions to access electrical vehicle infrastructure more affordably, which is a timely and indeed urgent priority of our state and the nation as sustainable transportation and specifically the Electrical Vehicles continue to grow in very fast pace. Access to satisfactory EV charging infrastructure will constitute a stable and healthy growth. For example, Huntsville is located of the I-45 corridor and our location is a critical part of electrical transportation mobility in the region specifically between Houston and Dallas.

International Council on Clean Transportation (ICCT) predicts that there will be more than 3 million Electric Vehicles (EVs) roaming the U.S. highways by 2025. The ICCT researchers also project that Dallas and Houston might need to add 31-40% more chargers every year that may enhance the confidence in EV drivers and in prospective consumers to buy EVs. Design and construction of EV charging stations using zero-emission Photovoltaic solar panels (PVs) will positively impact environmentally friendly efforts on reducing carbon footprints specifically in metropolitan areas. Since the transportation sector is responsible for almost 23% of greenhouse emissions, EVs will play a critical role in achieving the environmental objectives of the Paris agreement that strengthens the global response to the threat of climate change by keeping a global temperature rise this century well below 2 degrees Celsius above pre-industrial levels.

I am currently working as a PI for a community outreach project to design and build a 33kW PV array-based EV fast charging station on Sam Houston State University campus that will provide a sustainable and fast EV charging not only for the university community but also for the public in the area. I am greatly thankful for Entergy Environmental Initiation Funding (EIF) for fully sponsoring for this PV-based EV fast charging station project. Having major state entities in our region, the access to electrical infrastructure will not only play an important part in the role of the state achieving its own goals but having more electrical infrastructure in place would promote



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business's ability to implement in tandem alternative fuel resources to work side by side with our state's traditional resources. I respectfully request that the Public Utility Commission of Texas grant Entergy Texas the ability to have this tariff and offer this product to its customers in Texas.

Please let me know if you need any further information about my support letter and you are welcome to reach me at (936) 294-4137 or e-mail: regpecen@shsu.edu. Thank you for your kind consideration.

Sincerely,

Reg Pecen, Ph.D.
Quanta Endowed Professor

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