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Memorandum

Date: July 25, 2024

To: Public Utility Commission of Texas

From: Jonathan "J.T." Thompson, Chief Revenue Officer, Edge Zero

Re: Request to Participate in Future ADER Workshops

Commissioners:

From its inception through the end of 2023, I had the honor and pleasure of being a member of the ADER Task Force. I enjoyed being a part of one of the most forward-thinking initiatives in the United States.

I am reaching out as a follow up to the proposed "ADER Barrier/Improvement Workshops" for Project No. 53911 (filed July, 24, 2024). Edge Zero would welcome the opportunity to participate in the proposed workshops. We believe that our experience and expertise can significantly contribute to the discussions and development of frameworks that facilitate the integration of Distributed Energy Resources (DER) into Texas' energy grid, while maintaining reliability, efficiency, and cost-effectiveness. Specifically, we feel we can provide insight in the following areas:

- visibility tools at the transformer level
- system impacts of new and existing DERs
- dynamic operating envelopes
- avoiding costly transformer upgrades

For over five years, Edge Zero has been working with most of the utility companies in Australia. Much like Texas, Australia has an energy-only wholesale market and has experienced a tremendous influx of DERs. Our work has been centered around first providing situation awareness on the distribution system. This has led to the ability to better manage further DER penetrations while providing cost-saving benefits.

One such example of our work is Endeavour Energy. Edge Zero has successfully implemented a comprehensive DER integration strategy designed to promote further DER penetrations in areas that were already relatively saturated. This strategy has been crucial in making it easier to incorporate DERs by enhancing grid visibility and providing advanced analytical tools. These tools enable better forecasting and management of DER impacts, ensuring that the distribution network can accommodate

We are committed to ensuring that our solutions provide Texas utilities, including TDSPs, Cooperatives, and Municipal utilities, with the visibility and assurance they need to integrate DERs seamlessly. We invite all stakeholders to coordinate with Edge Zero on a shared workshop to explore these opportunities further. Our team is ready to collaborate and share insights from our global experiences to support Texas' energy transition. Please contact us at:



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