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Bob Stump Chairman; Gary Pierce; Brenda Burns; Bob Burns; Susan Bitter-Smith
Arizona Corporation Commission
1200 W. Washington Street
Phoenix, AZ 85007

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ARIZONA CORP COMMISSION
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In re: Docket # e-01933A-13-0224 TEP 2014 REST Plan R & D Suggestion

In the matter of the application for approval of Tucson Electric Power for approval of its REST and DE Plans, I am writing to suggest that the Commissioners consider amending TEP and APS's Research & Development budget to include a project to aggressively facilitate market provision and deployment of economical and effective **Utility Scale Energy Storage** technology and products.

I encourage the Commission to consider requiring all utilities to invest and facilitate the development of effective and economical energy storage technology solutions by requiring them to include appropriate preferences in their bids for the design and construction of solar electric and other Renewable Energy facilities and to seek CleanTech and other financial grants from appropriate Federal Agencies.

Utility scale storage solutions would mitigate risk, the complexity of Line Balancing between Authorities/Territories, system reliability and exposure to cascading "Brown/Black-outs" that have for too long been unaddressed historical concerns of the Commission and Utility industry (APS/California Black-out). Expanded use of alternative energy technology has increased the need, and resulting benefits, to develop effective and economical "storage" solutions.

Storage would enable greater deployment of solar electric facilities which if storage were included as a solar facility bid requirement for a future year certain of the contract would provide the financial support and motivation for those generation facility providers to partner, facilitate and accelerate the development of storage solutions.

Local PV generation and Utility scale storage solutions would improve reliability and eliminate or significantly reduce many current TEP surcharge costs that are required to cope with or mitigate the shortcomings of fossil fueled generation (TOU/Demand; PPFAC; ECA) whose cost to ratepayers exceeds \$1B and the need to sell or dump coal generated electricity at less than cost during low demand periods which would also enable rate reductions for most Ratepayers.

Sincerely,
Mr. Terry Finefrock
Mr. Terry Finefrock
TEP Ratepayer

Arizona Corporation Commission
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JUL 26 2013

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