

Review of Electric Utility Hurricane Preparedness and Restoration Actions

Docket No : 20170215-EU

Name : Thomas Eppes

Electric Utility Provider : EI806 - Tampa Electric Company

Zip Code : 33592

Category : Other

Comments : The electricity providers should be utilizing existing rooftops and parking lots to erect solar PV arrays instead of building "solar farms." This can be accomplished through offering a variety of incentives. If they use up all suitable rooftops and parking lots and find they don't have enough capacity, then they can build solar farms. They should also be installing utility-scale vanadium redox flow batteries at their substations to absorb excess solar generation during the day and feed it back into the grid at night. They should also install vanadium redox flow batteries at existing power plants to extend the life of those assets and allow them to operate more efficiently at a constant steady rate. You and they can start by checking out battery manufacturer UniEnergy Technologies ([uetechologies.com](http://uetechologies.com)) in Washington State. First responders and essential services should have their own solar plus storage microgrids to allow them to continue operating whenever disasters strike.