

Energy Storage Solutions, LLC

Tarboro Business Park & Local Utilities:

An Estimated 1.29 Billion Dollar Battery Energy Storage (BESS) Project



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PROJECT
Tarboro Business Park & Utilities

A PROPOSAL BY
ENERGY STORAGE SOLUTIONS, LLC

DANIEL SHAFFER
President
Energy Storage Solutions, LLC
423-341-7873
Dan@EnergyStorageSolutionsLLC.com
www.EnergyStorageSolutionsLLC.com



Partnership Introduction

ENERGY STORAGE SOLUTIONS, LLC

Energy Storage Solutions, LLC (ESS) a battery energy storage company (BESS) was founded by the original owners and key staff of North Carolina Renewable Energy, LLC (NCRE) an experienced and successful solar development company of solar projects in North Carolina, South Carolina, and Virginia.

With NCRE under our control for 10 years, the solar pipeline grew to over 3.5 Gigawatts AC, from Greenfields to NTP to COD, becoming one of the largest Solar Developers east of the Mississippi River.

Tarboro Business Park



Edgecombe County, North Carolina

We are looking for a local community with their own electric utility(ies) that would be willing to work with our renewable energy companies to bring them "green" renewable energy services, to include manufacturing to their region. It is our intent to provide all of the necessary funding as needed to upgrade their local electric sub-stations with energy storage systems (BESS), at no cost to the community and their utility companies, and in the process guarantee a savings of up to 10% annually to each utility.

Once ESS and BSS have begun to provide this service to the local Utilities for cities and towns (ElectriCities members) and to the Cooperatives (NCEMC members), the word will quickly spread to all the other members of ElectriCities and the Cooperatives throughout North Carolina and the surrounding states. We will be offering the same opportunities at no cost to them as well, and the factories we build at the Edgecombe Business Park will be very busy filling these future orders.



Working in cooperation with local utility companies we will be able to move quickly to complete any necessary upgrades to sub-stations with energy storage systems (BESS). No interconnection agreements or Power Purchase Agreements (PPAs) will be required since we will be providing Energy Management Services (service agreements) with the utility company. The utility company will own the electricity stored and our service will be to store it and release it back into the grid as needed.

The Outline

Our service will allow the Utility companies to purchase energy when energy is less expensive, whether late at night or during other times of the day not billed as "peak time", and then later release energy during "peak service" times. This service is called arbitrage, but other ancillary services can also be used as well, such as Capacity Response, Frequency Response, Emergency Response, and other needed services.

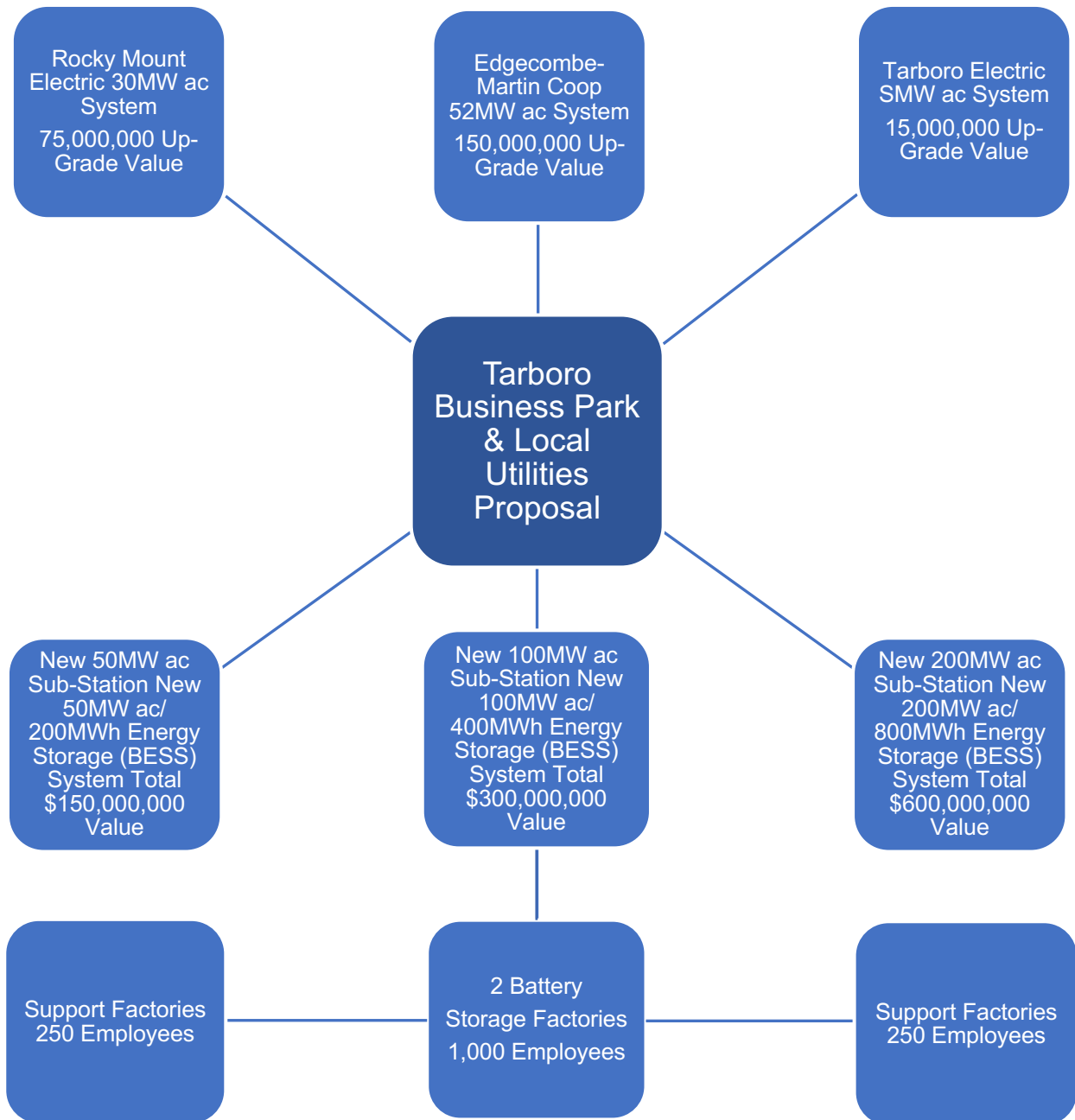
Our software will allow these services to be provided within seconds of the need. These services will greatly improve the utilities' operations and convenience to the public by subsidizing power during outages while saving money in the process.

Additionally, ESS and BSS already have over 5 Gigawatt AC/ 20 Gigawatt Hours of energy storage projects in their project pipelines (valued at 20 Billion Dollars) that will require energy storage systems (BESS) for their company needs and could keep many large factories busy for the next 10 years or more.



Market Projections

ESS & BSS projections for the Edgcombe Business Park & Local Utilities:



Total Property Value(s) not including Factories: \$1,290,000,000 (1.29 Billion estimate).



New technologies for BESS systems

New technologies continue to improve many aspects of our economy, and this is true for energy storage systems (BESS) as well. ESS and BSS have executed a MOU (Memorandum of Understanding) agreement with Tier 1, LLC and our second MOU will be forthcoming shortly as well, to develop and build two new factories, using a new technology based upon "Graphene"; a new non-polluting process, using agricultural and timber organic feedstock. These are two of the largest businesses located in the Edgecombe County region, and such an industry would be of great benefit to the community.

Employment opportunities

We are projecting that within 5 years or less this Green industry could easily bring 1,500 new jobs to Edgecombe County. These would all be high paying jobs, and in many cases on-the-job training will be available. Additionally, Green Energy education programs could then be conveniently established at the adjoining Edgecombe Community College.

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4462 Meadowbrook Rd

Rocky Mount NC 27801