

Energy Storage Solutions, LLC

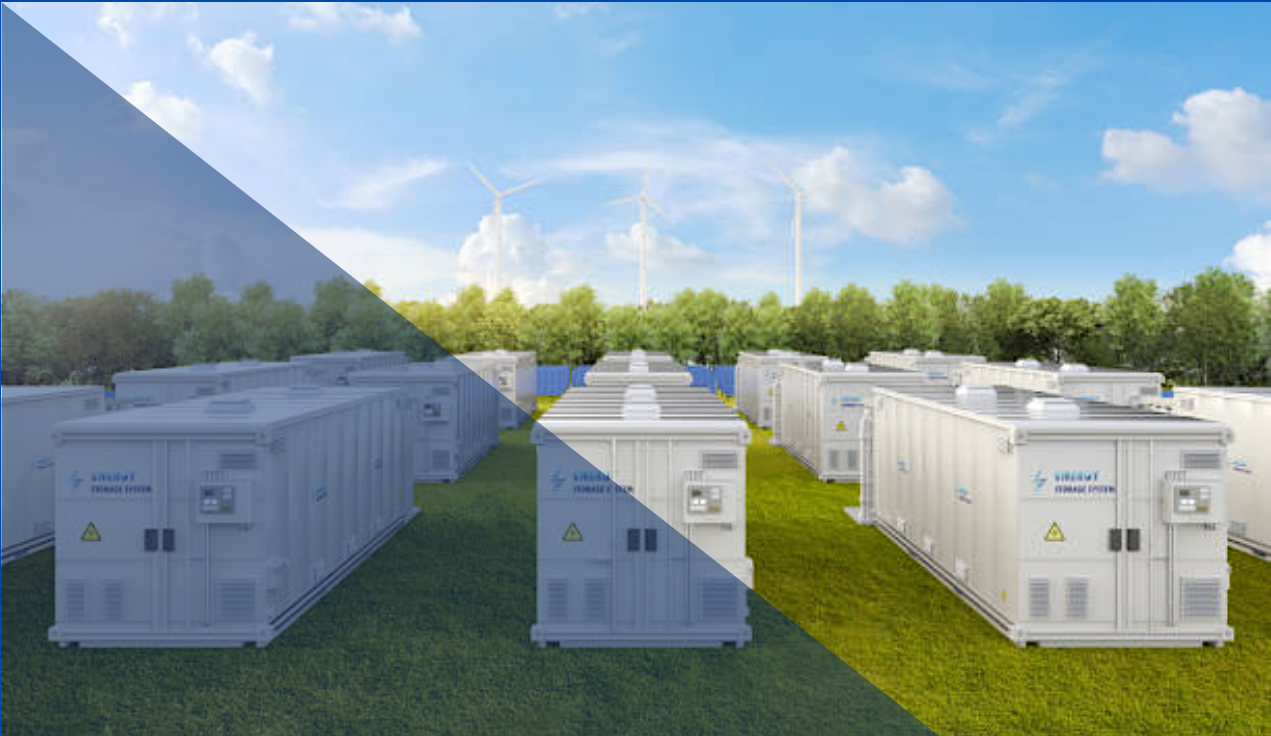
BoBo Energy Center: An Estimated 1.56 Billion Battery Energy Storage (BESS) Project



PROJECT
BoBo Energy Center

A PROPOSAL BY
ENERGY STORAGE SOLUTIONS, LLC

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



ESS

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.

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Less than a mile down the Highway is a Duke Energy Progress Sub-Station suitable for 4 small 5MW ac/20MWh distribution Energy Storage Projects that ESS plans to build, three phase electric power lines also service this site.

BoBo Energy Storage Projects:

- 1** 4 individual distribution projects 5MW ac/ 20MWh each
- 2** 2 individual transmission projects 50MW ac/ 200MWh each
- 3** 2 individual transmission projects 100MW ac/ 400MWh each
- 4** 1 individual transmission project 200MW ac/ 800MWh each

Note: this configuration could change; totaling 520MW ac/ 2080MWh.

Possible accelerated Queue Position:

This nuclear Power Plant sits at the end of a number of "constrained" transmission lines, they run from South Carolina northward along Interstate 1-95 into North Carolina, the upgrade cost to Duke Energy progress has been estimated to exceed \$238,000,000. ESS currently owns numerous sites along these constrained transmission lines. If ESS were to build a number of large Energy Centers along these constrained transmission lines, it would allow the Utility to manage their energy systems and alleviate the need for this expensive transmission upgrade.

Under the circumstances, ESS could propose building such Energy Centers (3 or 4 of them) at ESS's expense and receive a positive response from Duke Energy Progress, saving Duke the expense of the transmission upgrade, allowing them to simply manage their energy more efficiently.



Duke Energy Robinson Nuclear Power Plant

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Parcel Data Fields:

Parcel ID:	019-00-03-030	Mailing Address City:	ROCKY MOUNT
Owner Name:	DAUGHTRIDGE JR CB	Mailing Address State:	NC
Parcel Address Zip Code:	29550	Primary Address Source:	county
Parcel Use Description:	COMMERCIAL AG	Legal Description:	TRACT 1---7.98 AC TRACT 2---1.38 AC TRACT 3---13.32 AC
Regrid Calculated Total Address Count:	0	Latitude:	34.390166
Regrid Calculated Building Footprint Square Feet:	424	Longitude:	-80.154158
Regrid Calculated Building Count:	1	Census 2020 Tract:	45031010200
Cropland Data Layer Raw Values:	[[142, 38.8], [190, 15.7], [152, 14.2], [37, 14.2], [176, 6.7], [61, 4.5], [141, 1.5], [5, 1.5], [2, 1.5], [1, 1.5]]	Census 2020 Block:	450310102001033
Cropland Data Layer Majority Category:	Evergreen Forest	Census 2020 Blockgroup:	450310102001
Cropland Data Layer Majority Percent:	38.8	County-Provided Acres:	29.8254193229
Cropland Data Layer Date:	2020	District:	9-F
Land Use Code: Activity:	8100.0	C1:	AG
Land Use Code Description:	Farming, tilling, plowing, harvesting, or related	C2:	MV
Land Use Code: Function:	9100.0	Command:	DARLINGTON COUNTY
Land Use Code Description:	Crop production	Deed Book:	1085
Land Use Code:	3000.0	Deed Page:	4260
		Deed Acres:	30.15
		Bed:	0.0
		Bath:	0.0
		Pool:	0.0
		Calculated Acres:	29.81296
		Calculated Parcel Sq Ft:	1298680
		Federal Qualified Opportunity Zone:	No
		LL_UUID:	10913cb7-59e4-45c9-9668-d9737d2ca7bd



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4462 Meadowbrook Rd

Rocky Mount NC 27801