

Energy Storage Solutions, LLC

About Our Company

Energy Storage Solutions, LLC 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.

As a result of developing the NCRE solar projects we acquired dozens of sites adjoining the local substations, and along many of the transmission lines servicing these sub-stations as well. These existing site controls allowed us to proceed quickly in the development of ESS's "Stand Alone" energy storage projects. ESS's current pipeline of "Stand Alone" energy storage projects now exceeds over 5 Gigawatts AC of projects now in development.

Learn More at www.EnergyStorageSolutionsLLC.com



Our Business Structure

Battery storage, or battery energy storage systems, is a technology that enables energy from renewables, like solar and wind, to be stored and then released when the power is needed most. Battery storage technology has a key part to play in ensuring homes and businesses can be powered by green energy, even when the sun isn't shining or the wind has stopped blowing.

It has been the objective of Energy Storage Solutions, LLC to not only develop energy storage projects to NTP, but to be able to form partnerships with partners that can bring to us the Financial Modeling wherewithal, Tax Credit Investors, Capital Infusions, EPC contractors and the Long Term Ownerships required to get our projects to COD and to operate them beyond.





Our Expertize

1

Our Mission

Our inventory of projects currently exceeds over 5 Gigawatts AC/ 20 Gigawatt hours of “Stand Alone” energy storage projects in NC, SC, & VA. ESS has over 40 individual 5MW AC/20MWh projects, over 40 individual 20MW ac/80MWh projects, and over 20 individual Energy Center Projects going up to 400MW AC/ 1,200MWh in size. These various sized projects will allow ESS to meet the market needs of the utilities in which we are located as the markets continue to evolve and expand.

2

Our Expertize

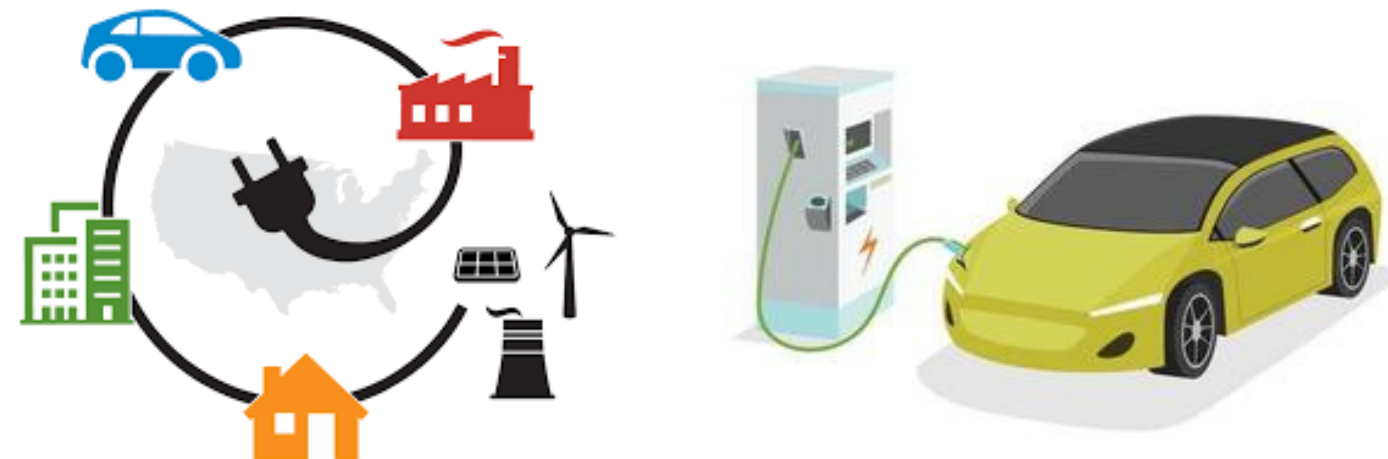
Additionally, ESS has developed projects in more than 12 different Utility Service Areas. This allows us to meet the different demands of the marketplace for energy storage projects, as the different utilities move forward at varying speeds to enter into the “green” energy storage marketplace at their own pace, to meet their local needs.

MicroGrid Systems

How does it work?

Energy Storage Solutions, LLC (ESS) is proposing to develop renewable energy microgrid services including Solar, Energy Storage, and Electric Vehicle Charging Stations for each project, located in an area of Low Income and Rural Communities. We are offering a unique green energy microgrid system that can be built behind the meter, and that can quickly be permitted and under construction within 4 to 6 months. It is estimated that the entire project can be completed within 24 months. This will be a \$20,000,000 microgrid system fully funded by the Environmental Protection Agency (EPA) with a Tax Free Grant of \$20,000,000 or if necessary Third Party Funding or both.

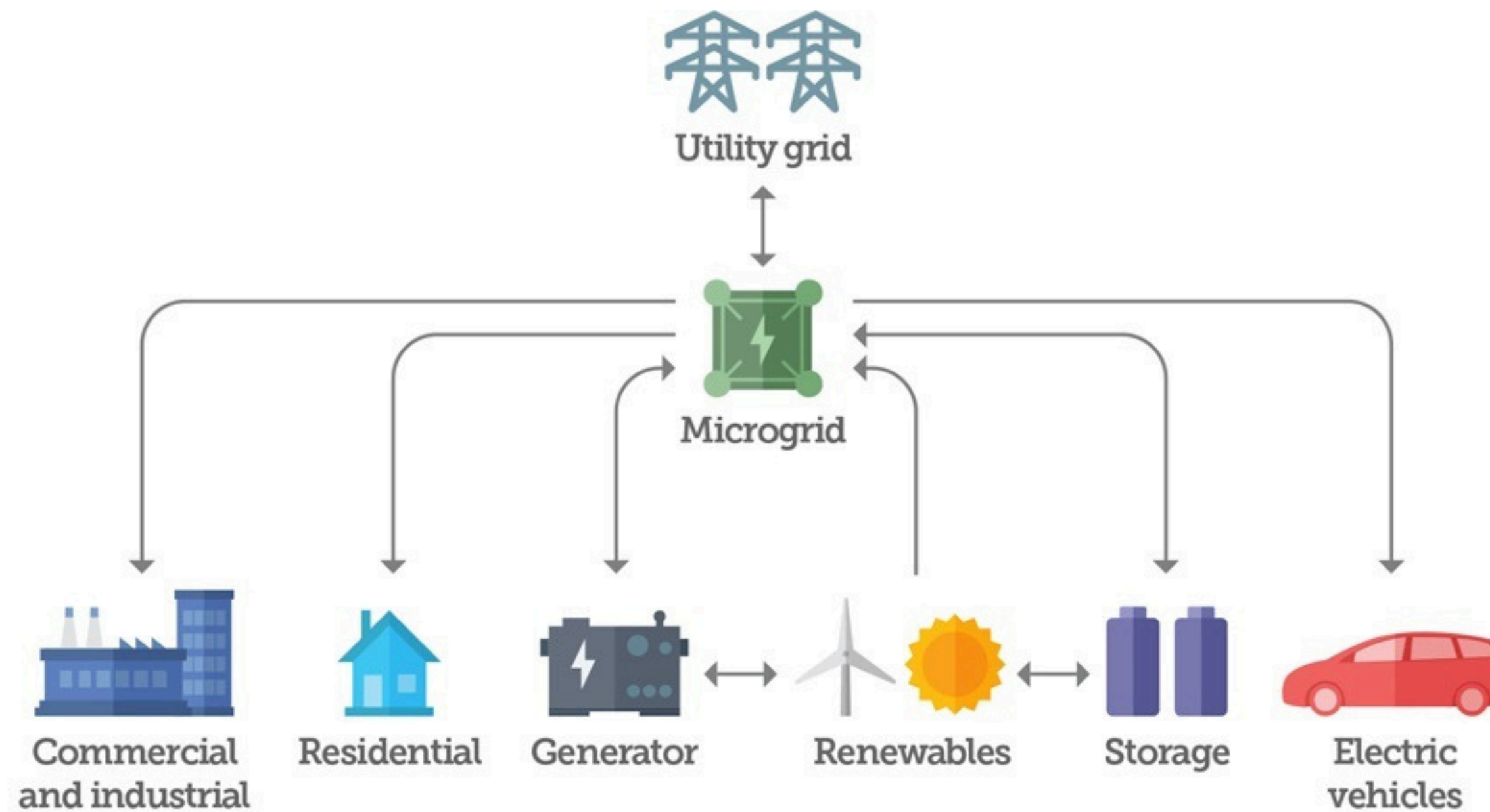
Most of the proposed microgrid systems will be “behind the meter”. This approach does not require a Power Purchase or an Interconnection Agreement. For the Electric Vehicle Charging Stations, we will only need to apply for a new business connection with an electric meter installed by the local utility company. Charging stations can be made available to charge Electric Vehicle buses as well. This simplified development process would only require a building permit to begin construction of the systems and would speed up the development process.



\$20M
Projects



Key components and energy flow of a Microgrid



1

Energy generation sources

Solar panels, wind turbines, generators, and others

2

Energy Storage systems

Most often batteries

3

Load

Things that use energy

Managing Team

Daniel Shaffer

President

Daniel Shaffer served in the US Army from 1966 to 1969 and worked in various managerial roles before founding New River Construction in 1975, focusing on highway and utility construction in Florida. He sold the company in 1982 and ventured into the Persian Rug business.

In 2010, he founded North Carolina Renewable Energy, developing successful solar projects and later sold his ownership in 2020. Currently, Dan is involved in Goforth Solar, LLC and ESS, LLC, developing energy storage and solar sites in the Southeast United States.

Tim Padgett

Partner Chief Operating Officer

Tim Padgett, a seasoned Attorney at Law in Asheville, NC, specializes in corporate, business, energy, real estate, and transactional law. With an impressive career managing successful law offices and overseeing hundreds of residential, land and commercial transactions, Tim has represented clients on various corporate and contract matters. With a background in real estate development, construction, and energy law, Tim is well-equipped to handle a variety of legal matters in these industries.

C. B. Daughtridge

Partner Real Estate Acquisition

C. B. Daughtridge is a real estate developer and contractor from Rocky Mount, NC with an extensive background in economics.

C. B. is a landscape contractor, property developer and owner/manager of sixteen companies. C. B. is specialized in land acquisition, in solar teaming and solar land holdings.

Harry Walling

Partner Project Manager

Harry Walling is a Renewable Energy project manager from Raleigh, NC with experience working on various production projects. He has managed renewable energy development projects and served as a project coordinator for different organizations. His skills include problem-solving, sales, and multilingual proficiency. Harry is a valuable asset to our team, a versatile professional with a passion for Renewable Energy, for production and innovation.

Support Team

Russell Blevins

Project Development Coordinator

Russell Blevins has extensive experience in natural resource management with USDA-NRCS and as a Resource Conservation Development Coordinator. He transitioned to Haynes Energy Solutions, leading to the successful completion of over 400 solar energy projects, including a \$10 million Asheville/Buncombe County solar project.

Barry Alimou

Communications Director

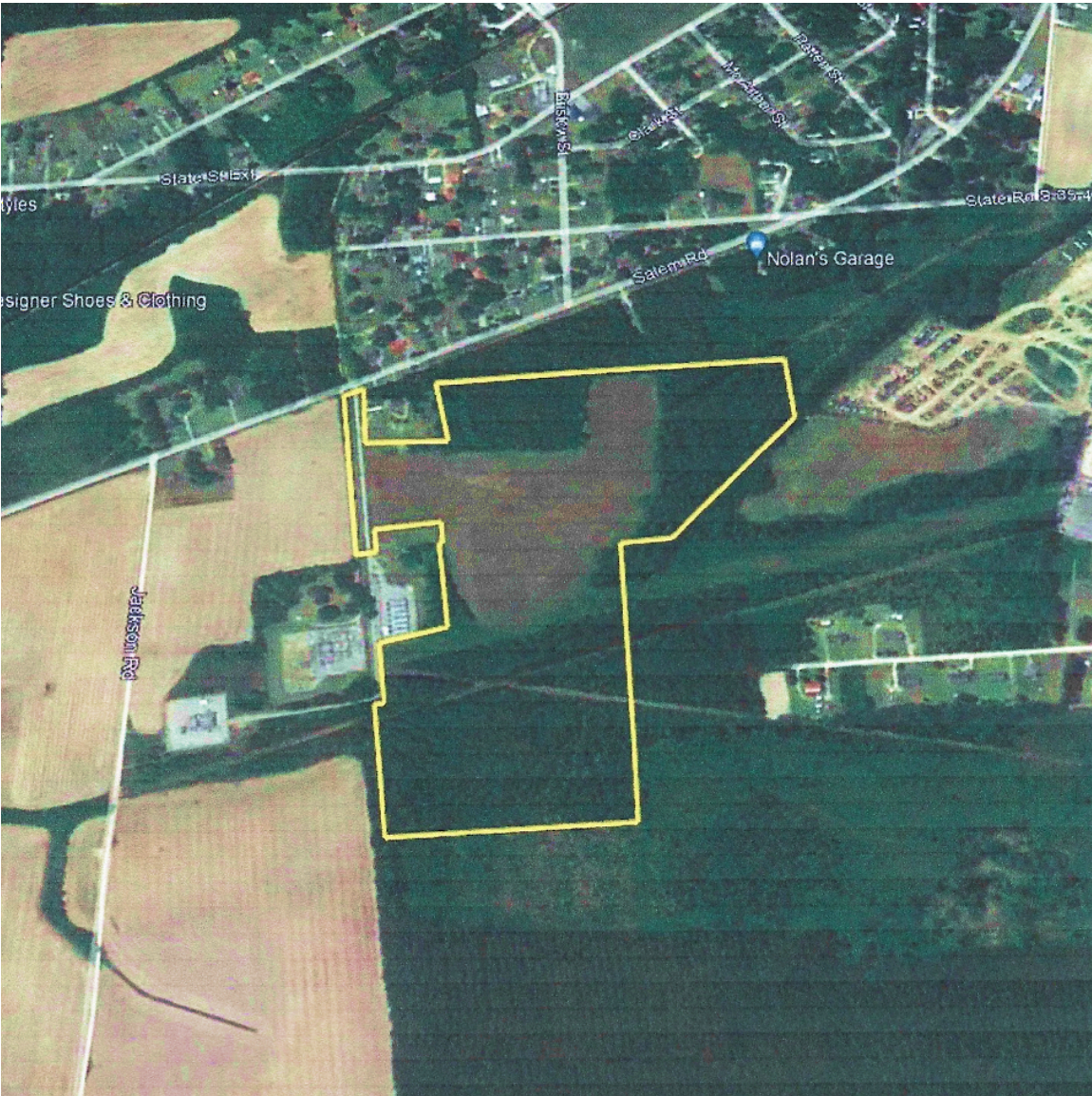
Hands-on regional, national and international experience in large scale project management, strategic communications, brand awareness, brand development, marketing campaigns, press releases, graphic design, web content development and digital marketing.

Gabriella Price

Administrator

Managing accounts receivable and payable, reviewing and processing payroll and reimbursements, preparing budgets, keeping records of invoices and tax payments, reports on financial projections.

Our Portfolio



Our Projects Portfolio
Our Energy Storage Projects in NC, SC, & VA



Our Contact



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Energy Storage Solutions, LLC (ESS) is committed to developing and delivering high-quality BESS projects that are not only environmentally responsible but also financially profitable. ESS has a team of experienced professionals who are dedicated to ensuring that every project is completed on time, within budget, and to the highest standards.



