



Battery Energy Storage System (BESS)

2021 Renewables Projects for Broad Reach Power, LLC

BAT CAVE – 100MW BESS, Mason, TX

Project Components:

- 138kV Substation with transmission lines
- 297 outdoor battery racks
- 33 foundations
- 33 3.25MW power conversion systems (PCS)
- 33 step up transformers for utility interconnect

Saber Power Scope:

- Construction of 34.5 to 138kV substation and distribution bays
- Construct transmission line to the utility company and “remote in” on the utility side
- Installation of 297 outdoor battery racks on 33 foundations, 33 PCS, and 33 step up transformers
- Testing and commissioning of substation
- End-to-end communication testing of all fiber and cable with utility sub

Saber Power Value-Added Services:

- Initiated effort when owner’s engineering was at 30% design
- Supported owner and owner’s engineer with emerging technology for largest project to

date in ERCOT at the time

- Provided constructability to drive costs down throughout the development of IFC drawings allowing Saber Power to develop BOM for Broad Reach Power
- Developed detailed raceway layout, fiber & cable schedule to support engineer that ultimately ended up in contract used for transparent “true-up”
- Provided on-going, current estimates to reflect cost savings

NORTH FORK – 100MW BESS, Liberty Hill, TX

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- 297 outdoor battery racks
- 33 foundations
- 33 3.25MW power conversion systems (PCS)
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- Developed detailed raceway layout, fiber & cable schedule to support engineer that ultimately ended up in contract used for transparent “true-up”
- Provided on-going, current estimates to reflect cost savings
- Supplied additional resources to overcome owners permitting delays resulting in minimal schedule impact

About Broad Reach Power LLC

Broad Reach Power LLC is an independent power producer based in Houston which owns a 21 GW portfolio of utility-scale solar and energy storage power projects in Montana, California, Wyoming, Utah and Texas.

About Saber Power Services LLC

Saber Power Services LLC is an engineering-led and construction-focused professional services company specializing in complex medium and high voltage electrical infrastructure. Saber understands the importance of battery storage (BESS) for the renewables industry, and we are on the leading edge of supporting projects with engineering, installation, and maintenance services. We combine the forces of our EPC operations, engineering, and field services to deliver comprehensive solutions. We provide turnkey, utility-scale BESS projects with engineering, installation, and maintenance services.

To learn more about Saber Power’s offerings for the renewables industry, contact sales@saberpowers.com

www.saberpowers.com