

Title: NRECA Partnerships Delivering Defined Mutual Benefits (PADEDMUG)

Competitor Name: Tolu Omotoso

Organization: National Rural Electric Cooperative Association (NRECA)

Prime applicant: NRECA Research (non-profit entity)

| Business Point of Contact (BPOC) | Technical Point of Contact (TPOC) |
|---|---|
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Location of Primary Benefits:

| Project Locations | Census Tract | City | County | State | Zip code | Population |
|-----------------------------|---------------------|-------------|---------------|--------------|-----------------|-------------------|
| Lake-Sumter State College | 12119910500 | Sumterville | Sumter | FL | 33585 | 4619 |
| Conway Community College | 45051020300 | Conway | Horry | SC | 29526 | 7820 |
| New Life Rd, Rogersville TN | 47073050100 | Rogersville | Hawkins | TN | 37857 | 4319 |

Proposed Plan: Rural and remote communities often lack the resources and technical know-how to pursue microgrids, and microgrid developers — who do have the expertise — often avoid small community projects because of high customer acquisition costs. Also, pursuing microgrid projects may not make economic sense depending upon the customer’s load profile, how the host distribution utility is regulated and the top goals the customer has identified for investments in new energy and grid infrastructure. Lastly, customers and utilities often become daunted by the range of technology options, goals of any microgrid project – and how to fund feasibility studies when the outcome may be uncertain.

PADEDMUG aims to alleviate the issues identified above with partnership activities in phase two which will center on de-risking clean energy microgrid projects by conducting feasibility studies. These de-risked projects will then be aggregated for funding opportunities and thus provide economics of scale to microgrid developers. Funds will be used to pay for preliminary microgrid engineering studies.

Link to 3-minute online video pitch: <https://youtu.be/83G0npjnvFY>

Project Team Members/Partners:

Jared Leader, Senior Director of Resilience, Smart Electric Power Alliance; Reed Cooper, Engineering Manager, Horry Electric Cooperative; Nathan Franklin, Holston Electric Cooperative; Ben Dawson, Sumter Electric Cooperative; Adam Harris, Central Electric Power Cooperative; Tom Vignale, Schneider Electric; Marlon Umali, Aerinet Solutions; Michael Ammerman, Dir. Of Sales RavenVolt; Dr. Heather Bigard, President, Lake Sumter State College; Michael Stadler, CEO/CTO Xendee