

Clean Energy Resilience for Vulnerable Coastal Communities

Based in the bayous of Louisiana, **the Lowlander Center** is a 501(c)(3) non-profit organization supporting lowland people and places through education, research and advocacy for over 14 years.

Our Team is the Lowlander Center and its Community Partners.

The community is the **Grand Bayou Indian Village**, of the **Atakapa-Ishak/Chawasha Tribe**. The village is located in a coastal wetland area south of New Orleans, LA and is accessible only by boat. Over 700 members of the Tribe call Grand Bayou home. As storms increase in frequency and strength due to climate change and coastal erosion, Grand Bayou Village experiences frequent and long power outages and lack of clean drinking water due to salt water intrusion. These problems are increased due to geolocation and marginalized status. An energy independence and equity solution will allow the community to:

- Achieve a lower carbon footprint through energy independence
- Generate clean drinking water
- Return to the village sooner to repair building envelopes
- Cool and dry out structures damaged by storms before damage increases
- Return to fishing and caring for the ecosystem sooner

Our mission is to work with and assist the Grand Bayou community to solve these energy problems using technologies such as renewable energy, electric micro-grid, weatherization, efficient appliances, and iron-flow battery energy storage.

