

Title: **“Local Geothermal Coalition in Rural Communities”**

Competitor: **Renasant Energy**

Organization: Renasant Energy Management LLC

4265 San Felipe, Suite 1100, Houston, TX 77027-2998

Location of Primary benefits: **Mansfield, LA**

ZIP codes: **71052-2152, 71052- 2100, 71052- 5602, 71052-2161, 71052-5603**

Renasant Energy is currently working under a DOE SBIR award for all engineering, planning and subsequent field demonstration of geothermal energy production from dormant Haynesville Shale gas wells in the rural area of Mansfield, LA to be performed at the actual wellsite.

The scope of the current project encompasses:

- Work with Renasant Energy's local partner DeSoto Regional Health System Foundation not only identify local contractors and workers to execute the project, but also identify citizens, businesses, and organizations in the community who can benefit from the project; and furthermore, continue directing the project path towards those ends.
- Building and training a local team for corresponding skills to support our current wellsite-based geothermal project and to continue to operate beyond our DOE's field demonstration project. Conduct more-detailed engineering studies of connecting geothermal wells with the larger grid or microgrids in the Mansfield rural community.
- Conduct engineering feasibility studies of connecting geothermal wells with the larger grid or microgrids of Mansfield rural community.
- Conduct studies to determine electrical load needed and offtake requirements in the Mansfield area.

The budget for above mentioned activities is \$100,000.

The project information video link: <https://vimeo.com/827141016?share=copy>

Renasant Energy Management LLC (a.k.a. Renasant Energy), a minority-owned small business, was formed in 2019. The principals, Ivan E. Terez (Managing Director) and Kenneth R. Kibodeaux (Technical Director) are prominent professionals with 20+ years of energy industry experience in thermal EOR which is very similar to geothermal technology and in geothermal operations as well. The team is compact and well established, with the technical members having spent their careers in Shell, Texaco/Chevron, and a Warburg Pincus/Temasek portfolio company, with operational expertise in depleted shales.

Renasant Energy is currently working under a DOE SBIR award for all engineering, planning and subsequent field demonstration of geothermal energy production from dormant Haynesville Shale gas wells in the rural area of Mansfield, LA.

The proposed activities will greatly supplement Renasant Energy's current geothermal electricity demonstration project with critical local content involvement, leading to sustainable electricity production after completion of the DOE-led demonstration projects with electrical access to retail clean electricity customers in the community, thus enabling substantial energy improvements in the underprivileged Mansfield rural community. It will also reduce overall CO₂ footprint of the community.