

Title: **“Financial Help to Rural Geothermal Energy”**

Competitor: **Renascent Energy**

Organization: Renascent 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**

Renascent 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 “Enabling Financial Assistance to the Local Resources to Access Clean Geothermal Energy Sources in Rural Communities” encompasses:

- Conduct detailed cost studies of connecting geothermal wells with the larger grid or microgrids of Mansfield rural community.
- Conduct studies to determine renewable energy pre-production credits and subsidies available to this geothermal project and specifically for the Mansfield area.
- Work with local community banks and credit unions to study a potential financial framework for loans needed for electric grid modifications in the Mansfield area for local community access to the clean geothermal energy.
- Set-up mechanism for financing of the grid connections to the geothermal mini-plant sites using local financial institutions.

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

The project information video link: <https://vimeo.com/827085747?share=copy>

Renascent Energy Management LLC (a.k.a. Renascent 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.

Renascent 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 Renascent Energy’s current geothermal electricity production demonstration project with critical local content involvement, leading to sustainable electricity production after completion of the DOE’s led demonstration projects with electrical access to the retail clean electricity customers in the community, thus, to enable substantial energy improvements in the underprivileged Mansfield rural community.

It will also reduce overall CO₂ footprint of the community.