



QUESTIONNAIRE

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GEOHERMAL TECHNICAL REPORT QUESTIONNAIRE (Projects under \$200,000)

Please respond to the following questions and requests for information and/or statements. The level of detail and pace at which these items are responded will directly affect the speed at which the Technical Report can be successfully completed. It will be necessary to use additional sheets.

A) Identify each of the following project service providers (if it does not apply, please explain). For each, authoritative evidence that project team service providers have the necessary professional credentials or relevant experience to perform the required services **MUST** be provided. Include the following:

- Contact Information (name, address, e-mail, website, etc.)
- Qualifications - Describe, in detail, their qualifications (include relevant certifications)
- References - List of the same or similarly engineered projects designed, installed, or supplied (include contact information for each)

(1) Equipment Supplier(s) of Major Components

- **Contact Information:**
- **Qualifications:**
- **Reference:**

(2) Construction Contractor/Installer and Service Provider

- **Contact Information:**
- **Qualifications:**
- **Reference:**

(3) Project Manager/Applicant

- **Contact Information:**
- **Qualifications:**
- **Reference:**

- B)** Have you identified all environmental issues, including environmental compliance issues, associated with the project on Form RD 1940-20? “Request for Environmental Information”? Contact your local USDA Representative for more information.
- C)** Describe, in detail, the geothermal heat pump loop field. Where is it located? How many boreholes are required? What is the nominal borehole depth? How much area is needed (ft²)? How much area is available (ft²)?
- D)** Provide a detailed drawing of the proposed building. Include all exterior dimensions including building width, length, and height. In addition, provide locations of windows and doors. If available, provide digital photographs of the proposed building.
- E)** Please provide a picture (digital or otherwise) of the existing building and/or proposed site.
- F)** Provide wall, roof, window, and door construction details for the proposed building. At a minimum, provide R and/or U-values.
- G)** Identify all suppliers, manufacturers, and model numbers for all major pieces of equipment.
- H)** Provide performance specifications (specification sheets) for all major pieces of equipment.
- I)** Provide a detailed project schedule. Identify each significant task including its beginning and end dates. Include such items as: system and site design, permits and agreements, equipment procurement and system installation from site preparation through startup and shakedown among others. Identify specific issues associated with installation, including details regarding the scheduling of major installation equipment.
- J)** If this is a retrofit project, provide 12 months of utility bills (electric and fuel). In addition, provide a detailed description of the existing heating and cooling system.
- K)** Provide a summary (quotes) of all eligible costs.
- L)** Provide a summary of any other investment incentives. This might include rebates from your utility provider and/or a reduced geothermal electrical rate.
- M)** Provide a summary of design life for all equipment.
- N)** Provide information regarding component warranties for all equipment.
- O)** Review and sign the following statement.

Technical Requirements Certifications

WHEREAS, _____ herein call the “Grantee”, intends to obtain assistance from the United States of America, acting through the U.S. Department of Agriculture, herein called the “Government”, acting under the provisions of the Renewable Energy Systems and Energy Efficiency Improvements Program, 4280-B regulations.

NOW THEREFORE, the Grantee hereby certifies the following technical requirements have been or will be met:

1. The proposed project will be installed according to applicable federal, state, and local codes and regulations.
2. The applicant will comply with all necessary agreements and permits for the energy efficiency improvement(s).
3. For the project, “open and free” competition will be used for the procurement of components in a manner consistent with the requirements of 7 CFR part 3015 of this title.
4. Equipment installation will be made in accordance with all applicable safety and work rules. Additionally, the Grantee agrees that upon successful system installation and following established operation, the successful applicant must deliver invoices and evidence of payment.
5. Project components will be dismantled or disposed of as appropriate or if necessary to ensure public safety at the end of their useful lives.
6. Project developer will hold appropriate liability insurance.
7. The project will be completed within two years from date of the approval.

IN WITNESS WHEREOF, I have executed this _____ day of _____, 20____.

Grantee

Grantee