MASTER

MONTHLY PROGRESS LETTER
ENGINEERING AND ECONOMIC STUDIES OF
NON-ELECTRIC APPLICATIONS OF GEOTHERMAL HEAT

Date: August 1, 1977

Report Month: July 1977

Final
ID0-1626-3

Reference Information

Contractor: Coury and Associates, Inc.
Contractor Location: Lakewood, Colorado
Project Title: Non-Electric Utilization of Geothermal Energy in the San Luis Valley, Colorado
Project Contract Number: EG-77-C-07-1626; execution date: January 13, 1977.
Principal Investigator: Martin Vorum

Objective Statement: There is a large reserve of low-temperature hydrothermal resources in the San Luis Valley, Colorado. The study will assess the specific engineering and economic factors which determine the feasibility of utilization of these resources. The analysis is directed toward the consumption of process water and low-temperature heat in two sectors--industries serving agriculture, as represented by the beet sugar refining and barley malting processes, and municipal water systems serving both public and commercial consumers.

Status Narrative:

Comprehensive gas consumption data for the projects' target cities have been assembled and developed in graphic form. The final report on the hydrogeological characteristics of the San Luis Valley has been completed in draft form and is being reviewed. Discussions have been held with process equipment manufacturers to acquire design and cost data for the beet and barley process technologies. Process designs are at the point of finalizing key operating parameters.

Potential Problems or Concerns:

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Monthly Progress Letter (continued)
Engineering and Economic Studies of Non-Electric Applications of Geothermal Heat

FY-1977

FY-1978

Basic Symbol

Meaning

- Actual/Scheduled Milestone Initiation
- △ Scheduled Completion
- ▲ Actual Completion
- ◇ Previous Scheduled Completion - Still in Future
- ◊ Previous Scheduled Completion - Date Passed

Representative Uses

Meaning

- ◇ ▲ Anticipated Slip - Rescheduled Completion
- ◇ ▲ Actual Slip - Rescheduled Completion
- ◇ ▲ Actual Slip - Actual Completion
- ▲ ◇ Actual Completion Ahead of Schedule

July 1977 Report Data

COST SUMMARY REPORT

(In Thousands of Dollars)

Incremental	Forecast	1.9	3.7	6.3	6.9	6.1	6.1	5.9	5.8	3.7	3.7	3.7	2.4
	Actual	1.9	2.4	3.0	4.3	4.2	6.5	4.8					
Cumulative	Forecast	1.9	5.6	11.9	18.8	24.9	31.0	36.9	42.7	46.5	50.2	53.9	56.3
	Actual	1.9	4.3	7.3	11.6	15.8	22.3	27.1					

Data as of : July 31, 1977