

GLO0966

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Contract No. EW-78-S-07-1739

CONTRACT BETWEEN

STATE OF CALIFORNIA, DEPARTMENT OF CONSERVATION
DIVISION OF MINES AND GEOLOGY

And

THE DEPARTMENT OF ENERGY

THIS AGREEMENT, entered into the 31st day of July 1978, by and between the UNITED STATES OF AMERICA (hereinafter called the "Government"), acting through the DEPARTMENT OF ENERGY (hereinafter called "DOE"), and STATE OF CALIFORNIA DEPARTMENT OF CONSERVATION, DIVISION OF MINES AND GEOLOGY (hereinafter called the "Contractor"), State Agency organized and existing under the laws of the State of California with its principal office at Sacramento, California;

WITNESSETH THAT:

WHEREAS, DOE desires to have the Contractor perform certain research work, as hereinafter provided; and

WHEREAS, this agreement is authorized by Section 302(c)(11) of the Federal Property and Administrative Services Act of 1949, as amended and the Department of Energy Organization Act of 1977 (Public Law 95-91), and other applicable laws;

NOW, THEREFORE, the parties hereto agree as follows:

ARTICLE I - THE RESEARCH TO BE PERFORMED

(a) The Contractor shall, to the best of its ability, furnish personnel, facilities, equipment, materials, supplies, and services, except such as are furnished by the Government, necessary for the performance of the research provided for in Appendix A hereto, and shall perform the research and report thereon pursuant to the provisions of this contract. It is understood that Appendix A, a guide to the performance of this contract, may be deviated from by the Contractor subject to the specific requirements of this contract.

(b) This work shall be conducted under the direction of C. Forrest Bacon or such other member(s) of the Contractor's staff as may be mutually satisfactory to the parties.

ARTICLE II - THE PERIOD OF PERFORMANCE

The period of performance under this contract shall commence on May 15, 1978 and expire on January 31, 1979. Performance may be extended for additional periods by the mutual written agreement of the parties.

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br:K-B-2

CONFORMED COPY

ARTICLE III - CONSIDERATION

(a) In full consideration of the Contractor's performance hereunder, DOE shall furnish the equipment, supplies, materials, and services, if any, listed in Article A-II(b), and pay the Contractor the sum of One Hundred Eleven Thousand Four Hundred Fifty-Three Dollars (\$111,453.00), hereinafter called the "Support Ceiling", which sum shall be subject to adjustment as hereinafter provided.

(b) Payments to the Contractor shall equal the "Cumulative Support Cost" of the performance of this contract, as the term "Cumulative Support Cost" is defined in Article B-XXVIII; Provided, however, and notwithstanding any other provisions of this contract, that the Government's monetary liability under this contract shall not exceed the Support Ceiling specified in (a) above. DOE shall not pay more than the Support Ceiling or an amount equal to the Cumulative Support Cost, whichever is less. The Contractor shall be obligated to perform under this contract throughout the agreed-upon period of performance, and to bear all costs which DOE has not agreed to pay; Provided, however, that the Contractor shall have the right to cease to perform the research provided for in this contract, upon written notice to DOE to that effect, at any time when or after the Cumulative Support Cost equals or exceeds the Support Ceiling.

(c) The Support Ceiling specified in (a) above may be increased unilaterally by DOE by written notice to the Contractor and may be increased or decreased by written agreement of the parties (whether or not by formal modification to this contract). In the event the stated period of contract performance is extended, the Support Ceiling may be revised to reflect any increased DOE support for the extended period or periods.

(d) Upon termination, or expiration of the total period of performance, the Contractor shall promptly refund to DOE (or make such disposition as DOE may in writing direct) any sums paid by DOE to the Contractor under this contract, through direct payment or under letter of credit, in excess of the Cumulative Support Cost incurred in performance under the contract.

ARTICLE IV - GOVERNMENT PROPERTY

The following items of property procured or fabricated by the Contractor are hereby listed as "Government property":

None

ARTICLE V - ADDITIONAL CONTRACT PROVISIONS

(a) All subcontracts and consultant agreements require the review and written approval of the Contracting Officer.

(b) Appendix B, attached hereto and made a part hereof, sets forth additional general contract provisions of this contract.

IN WITNESS WHEREOF, the parties hereto have executed this document as of the day and year first above written.

THE UNITED STATES OF AMERICA

DEPARTMENT OF ENERGY

By /s/ W. C. Kendall

W. C. Kendall, Asst. Director for Contracts
Contracts Management Division
Idaho Operations Office
Contracting Officer

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF MINES AND GEOLOGY

Witnesses as to signature of Contractor:

By /s/ James F. Davis

/s/ K. Barrowdale
(Signature)
Kent Borrowdale
Fiscal Officer
Name (typed)
1416 Ninth Street
Sacramento, CA 95814
(Address)

James F. Davis
Name (typed)
Title State Geologist
1416 Ninth Street
Sacramento, CA 95814
(Business Address)

/s/ Carol A. Thomas
(Signature)
Carol A. Thomas
Administrative Assistant
Name (typed)
1416 Ninth Street
Sacramento, CA 95814
(Address)

I, Priscilla C. Grew, certify that I am the Director of the Department of Conservation named as Contractor under this document; that James F. Davis, State Geologist who signed the document on behalf of the Contractor is an authorized representative of the Department; and that said document was signed for, and in behalf of, said Contractor by authority of its governing body, and is within the scope of its legal powers.

IN WITNESS WHEREOF, I have hereunto affixed my hand this 25th day of July 1978.

for /s/ Jack Dye
Director

CONTRACTOR: STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF MINES AND GEOLOGY

APPENDIX A

For the Contract Period May 15, 1978 through January 31, 1979.

Article A-1 RESEARCH TO BE PERFORMED BY CONTRACTOR

(a) The scope of the work under this contract is unclassified, and the Contractor under this contract with the Department of Energy will perform research consisting of the following:

In accordance with the work scope outlined in its proposal dated March 15, 1978, to DOE, incorporated herein by this reference, the Contractor shall perform the following research:

Phase I

I. Task 1

A. Geothermal Data

1. The Division of Mines and Geology will gather, evaluate, and collate location, temperature, water quality, and flow data of thermal springs and geothermal wells throughout the state.
2. Geothermal gradient and subsurface temperature data will be obtained from the U. S. Geological Survey, New Mexico State University, and other pertinent agencies.

B. Geologic Data

The Division of Mines and Geology will gather, evaluate, and collate the following data:

1. Locations, extent, and ages of recent volcanism and intrusions,
2. Locations of known faults,
3. Locations of earthquake epicenters,
4. Locations of mineral deposits related to hot springs and/or recent volcanic activity.

Task 2

A continuing survey of state-of-the-art methods of geothermal exploration will be conducted.

Article A-1 RESEARCH TO BE PERFORMED BY CONTRACTOR (Cont'd)

Task 3

Deliverables

1. The above mentioned geothermal and geologic data will be incorporated into the U. S. Geological Survey GEOTHERM data file.
2. Identify sites that deserve more detailed reservoir evaluation for possible development and application. Sites will be listed in order of estimated potential value. Preliminary environmental analysis will be performed on those sites that show the most promise for use in direct heat applications.
3. The preparation of a report and map (scale 1:500,000) which summarizes and analyzes all the above mentioned data will be conducted by the study team. Publication of report and map will be at other than the Contractor's expense.

Phase II - Work to be started but not completed under terms of this contract all Phase II work, except for work at Bridgeport, shall be funded under a separate contract modification.

Task 1

Candidate sites for geothermal development will be examined for the following detailed data:

- a. geologic,
- b. geochemical,
- c. geophysical,
- d. air photo and infrared imagery studies

Task 2

Based on preliminary results of above mentioned studies, a combination of the following geophysical methods will be employed to gather additional reservoir data:

- a. detailed gravity and ground magnetometer surveys,
- b. microseismic or seismic noise,

Article A-1 RESEARCH TO BE PERFORMED BY CONTRACTOR

- c. shallow and deep resistivity,
- d. telluric current,
- e. self-potential,
- f. heat flow, using shallow temperature holes 150 to 300 m deep.

Task 3

Deliverables - To be delivered at end of Phase II work which shall be performed under a separate contract modification.

- 1. A report and pertinent related maps of the above information will be developed which summarize and evaluate each candidate site for geothermal potential.
- 2. Based on favorableness of site data, test wells will be drilled to depths of 300 to 600 m for confirmation of reservoir characteristics.

(b) The scope of work shall include such other studies, investigations, and services as may be mutually agreed upon.

Article A-II WAYS AND MEANS OF PERFORMANCE

(a) Items for which support will be provided as indicated in Article A-III:

Phase I

A. Salaries

1 Senior Geologist (Principal Investigator)		
- 3 man-months	\$6,795	
1 Associate Geologist (Project Manager)		
- 5 man-months	9,838	
1 Senior Geologist (Geochemist) - 3 man-months	6,795	
1 Assistant Geologist - 5 man-months	8,150	
1 Steno B - 5 man-months	4,575	
4 Student Assistants - 18 man-months		
Each: 3 months at 1/2 time	5,304	
3 months at full time	10,608	\$ 52,065

B. Staff Benefits at 21.79% (excluding students) 7,878

C. Expendable Equipment, Supplies 250

D. Communications (Telephone) 750

Article A-II WAYS AND MEANS OF PERFORMANCE (Cont'd)

E. Travel Per Diem: 50 man-days at \$40/day	2,000
Transportation: 30,000 miles at 12 cents/mile	3,600
2-1/2-ton pickups, 4 WD: Depreciation, Maintenance 6 months at \$220/month (depreciation \$702 - maintenance \$1,920)	2,640
	Subtotal
	\$ 69,183
F. Overhead at 29% (excluding equipment & depreciation)	19,782
	<u>\$ 88,965</u>

Phase II (Field Work at Bridgeport)

A. Salaries		
a. Geological Survey:		
1 associate geologist 1/2 man-month	\$ 983	
b. Electrical Survey:		
1 senior geophysicist 3/4 man-month	1,698	
1 associate geophysicist 3/4 man-month	1,476	
1 geologic aid 3/4 man-month	844	
c. Gravity Magnetic Survey:		
1 senior geophysicist, 1/2 man-month	1,132	
1 associate geophysicist, 1/2 man-month	985	
1 geologic aid, 1/2 man-month	<u>563</u>	\$7,681
B. Staff benefits at 21.79% of direct salaries		1,674
C. Expendable equipment		
Electrodes, cables, reels, misc.		2,269
D. Supplies		350
E. Communications (telephone)		

Article A-II WAYS AND MEANS OF PERFORMANCE (Cont'd)

F. User fee for geophysical equipment			
Resistivity Receiver: Bison Model 2390 R			
(price \$3,500 - 10-year life)		\$ 175	
Resistivity Power Supply - Geotronics Model B-2			
(price \$2,295 - 10-year life)		115	
Resistivity Transmitter - Geotronics Model FT-4			
(price \$7,950 - 10-year life)		400	
1 Geomonitor w/4 amplifiers and probes			
(cost \$5,500 - 10-year life)		<u>275</u>	965
G. Travel Per Diem: 85 man-days at \$40/day			
			3,400
Transportation: 4,000 miles at 12 cents			480
2-1/2 ton pickups, 4WD: depreciation, maintenance			
2 months at \$240/month (depreciation \$320 - maintenance			
\$640)			<u>960</u>
			17,779
H. Overhead at 31% (excluding depreciation & equipment)			
			<u>4,709</u>
Total (Phase II - Federal 1978-79 FY)			<u>\$22,488</u>
GRAND TOTAL (Phases I and II - Federal 1977-79 FY)			<u>\$111,453</u>

(b) Items, if any, significant to the performance of this contract, but excluded from computation of Support Cost and from consideration in proportioning costs:

None, except report and map publication at other than CDMG expense.

(c) Time or effort of Principal Investigator(s) including indirect costs and fringe benefits contributed by the Contractor but excluded from computation of Support Cost and consideration in proportioning costs:

None

Article A-III FUNDING

The total estimated cost of items under A-II(a) above, for the contract period stated in this Appendix A, is \$111,453.00. DOE will pay 100% of the actual costs of these items incurred during the contract period stated in this Appendix A, subject to the provisions of Article III and Article B-V. The estimated DOE Support Cost for the contract period stated in this Appendix A is \$111,453.00.

Article A-III FUNDING (Cont'd)

The estimated DOE Support Cost is funded as follows:

- (a) Estimated unexpended balance from prior period(s) \$ - 0 -
- (b) New funds for the current period \$111,453.00

Article A-IV ADMINISTRATION AND REPORTS

- (a) Principal Investigator - C. Forrest Bacon

DOE Program Manager - John L. Griffith, Chief
 Geothermal Energy Branch, DOE-ID
 550 Second Street
 Idaho Falls, Idaho 83401

The Principal Investigator shall direct the work as outlined in discussions and in periodic letters from the Technical Administrator.

- (b) The Principal Investigator shall prepare and submit reports to the Technical Administrator as follows:

	<u>Frequency</u>	<u>Draft to Technical Administrator for Concurrence</u>	<u>Distribution Technical Administrator</u>	<u>TIC</u>
Administrative Letter Report	Monthly	N/A	8	N/A
Technical Progress Report	Monthly	3 weeks after end of reporting period	8	N/A
Final Report	Completion of contract effort	3 weeks after end of reporting period	8	1 camera-ready copy

1. Reports

The following will apply to all technical progress reports, topical reports and final reports:

- (a) The cover page will be supplied by DOE unless the Contractor intends to use its corporate cover.

Article A-IV - ADMINISTRATION AND REPORTS (Cont'd)

- (b) Reports under this contract will all carry the number prescribed by the Program Manager. Report numbers will be assigned sequentially.
- (c) The distribution category for reports prepared under this contract will be UC-66A as defined on page 16 of ERDA-76/72.

2. Content of Reports

Administrative Letter Reports -- Progress memo to Technical Administrator on personnel and fiscal matters, including such information as rate of expenditures, equipment ordering availability-receipt, loss of gain of personnel, etc.

Technical Progress Reports -- Full account of progress, problems encountered, plans for future reporting periods, and an assessment of prospects for future progress, identifying clearly all facts with both positive and negative impact on expectations for completely achieving task objectives on schedule and within contract funds, should include, as appropriate, accounts of activities aimed at utilization of task results.

Final Report -- The report shall emphasize the known geographic distribution and the geologic, geochemical, geochronologic and geophysical data for the resources which appear suitable for direct heat applications.

The report shall include a map of the State of California showing the geographic distribution of these resources. Specific items to be included on the map are: population centers, thermal springs, granitic plutons, Tertiary and younger volcanic fields, sedimentary basins having potential for geopressed reservoirs and wells in which hydrothermal fluids were encountered during petroleum exploration. Temperature and radiometric age data shall be shown in the cases where the appropriate data are available.

The report shall also identify candidate sites for reservoir confirmation activities to be carried out in Phase Two, as well as sites for which basic geothermal data are lacking. Pertinent data from the report will be turned over the U. S. Geological Survey for incorporation into the U.S.G.S. Geotherm Data Base.

J. Griffith
5/22/78
Mag...
FQA M2.12

May 19, 1978

RECEIVED

MAY 19 1978

GEO THERMAL ENERGY
BRANCH

State of California
Department of Conservation
Division of Mines and Geology
1416 Ninth Street, Room 1341
Sacramento, California 95814

Attention: Thomas E. Cay, Jr., State Geologist

Subject: CONTRACT NO. EW-78-S-07-1739

Gentlemen:

We are enclosing four copies of the above-subject contract. If satisfactory to you, please have three copies signed by an authorized official, have this signature witnessed by two persons, and affix your legal seal. These three signed copies should then be returned to this office for signature by the Contracting Officer (at which time the "entered into date" will be filled in). The fourth copy is for your files pending receipt from this office of one fully executed copy.

Very truly yours,

/s/ W. C. Kendall

W. C. Kendall, Chief
Contracts Branch
Contracts and Procurement Division

C&P

Enclosures:
Contract No. EW-78-S-07-1739 (4)

cc: Clayton Nichols, DOE-HQ, w/encl.

bcc: J. L. Griffith, w/encl.

CPC
JOLee:mh
5/19/78

CPC
WCKendall

U.S. ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION

PROCUREMENT REQUEST

(See Instructions on Reverse of Last Sheet)

• Please Type

1. TO: Procurement Office COF - ID Contracts and Procurement		2. From Geothermal Energy Branch Activity Title: Western States Co op Division: Energy & Technology Project:		3. Procurement Request Number - -	
4. <input checked="" type="checkbox"/> Contract <input type="checkbox"/> Grant <input checked="" type="checkbox"/> Special Research Support Agreement (SRSA) <input type="checkbox"/> Other		<input type="checkbox"/> Modification of Contract Number _____ TO/PA _____ <input type="checkbox"/> Change Order <input type="checkbox"/> Supplemental Agreement		5. Priority Rating (Ref. FPR 1-1.311) ROUTINE	6. Desired Award Date 05/01/78
7. Security Classification (ERDAM APP. 3401) <input checked="" type="checkbox"/> Unclass. <input type="checkbox"/> Secret <input type="checkbox"/> Conf. <input type="checkbox"/> Top Secret					
8. SERVICES, ARTICLES, MODIFICATIONS OR OTHER ACTION REQUIRED and Moderate TITLE <u>Low Temperature Resource Assessment in California</u>					
a. Item No.	b. Brief Description (As required, attach detailed Statement of work, including place(s) and time(s) of delivery(ies) or Schedule of work. State basis for estimated cost or price. Include detailed cost estimate, if available.)			c. Quantity	d. Estimated Cost or Price
	California Division of Mines and Geology will perform an inventory and evaluation of the low and moderate temperature geothermal resources in California.				\$ 125,000
e. TOTAL ESTIMATED AMOUNT OF THIS ACTION					\$ 125,000
9. Competitive Procurement Non-Competitive Procurement <input checked="" type="checkbox"/>		10. Is Source Evaluation Board Required? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		11. Procurement Request Resulting From Unsolicited Proposal If yes, attach copy of proposal and determination Ref.: ERDA-PR 9-4.52 and 9-4.51 <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
If competitive, attach technical evaluation plan. If non-competitive, attach justification. Ref.: FPR 1-3.101(d) & ERDA-PR 9-55.2		Ref.: ERDA Source Evaluation and Selection Handbook		UNSOLICITED PROPOSAL NUMBER _____	
12. Cost Sharing Contract <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If yes, attach details of cost sharing. Ref.: ERDA-PR 9-4.56		13. Government Furnished Equipment and Facilities Required? If yes, attach details of requirements. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		14. Recommended Source(s) Attach name(s) and address(es) of source(s).	
15. Report and Drawings Requirements If yes, attach details of requirements. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		16. Budget Activity Program, Subprogram, and Activity (ERDAM Appendix 1101, Part II) <u>AE 02-02</u> \$ # 125,000 Amount of Funds Authorized			
17. Requestor (Typed name, title, location, telephone number, date) <u>John L. Crofford, Chief</u> (Name) Geothermal Energy Branch, 4/7/78, 6-1608 _____ (Signature)				19. Certifying Official (Typed name, title, location, telephone number, date) _____ (Date) I hereby certify that funds in the amount here stated are available for such purposes under Allotment.	
18. Authorizing Program Official (Typed name, title, location, telephone number, date) R E Worn, Director Energy & Technology Division, 4/7/78, 6-1432 _____ (Signature)				No. _____ _____ (Signature)	

File m2.12

U. S. DEPARTMENT OF ENERGY
IDAHO OPERATIONS OFFICE

REFERENCE :
IDM 1301

FUND REQUIREMENTS AND IDENTIFICATION OF OBLIGATION

1739 FR 1
(ACTION NO.)

EW-78-S-07-1739

CONTRACT OR PURCHASE ORDER NUMBER _____ MODIFICATION NUMBER Original Contract
NAME OF CONTRACTOR OR VENDOR STATE OF CALIFORNIA-DEPT. OF CONSERVATION, DIV. OF MINES &
TYPE OF CONTRACT (COST - TYPE OR LUMP - SUM) SRSA GEOLOGY

BUDGET PROJECT NO.	SUB - PROJECT TITLE	PA&D	OBLIGATIONS		
			PREVIOUS	THIS ACTION	REVISED
UNAFECTED ITEMS PLANT	XXX	XXX		XXX	
UNAFECTED ITEMS CAPITAL EQUIP.	XXX	XXX		XXX	
UNAFECTED ITEMS OPERATIONS	XXX	XXX		XXX	
UNAFECTED ITEMS PROC. DIRECTIVES	XXX	XXX		XXX	

AE 02 02 I-285 Low and Moderate Temperature
Reservoir Assessment in CA

--- 111,453 111,453

- cc: E. Jones
- D. Lewis
- M. Parks
- M. Widmayer ✓
- D. Bell

RECEIVED

MAY 19 1978

CLERK OF THE COURT
LEWIS

BUDGET CLEARANCE AK
DATE 5-12-78

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File
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FEB 1 1979

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FEB 1 1979
GEOTHERMAL ENERGY
BRANCH

State of California
Department of Conservation
Division of Mines and Geology
1416 Ninth Street, Room 1341
Sacramento, California 95814

Attention: James F. Davis, State Geologist

Subject: CONTRACT NO. EW-78-S-07-1739

Gentlemen:

By mutual agreement between DOE and the Contractor the completion date under Appendix A of the subject contract is hereby extended from January 31, 1979 to April 1, 1979.

Also, the contract number is hereby changed from EW-78-S-07-1739 to DE-AS07-7EID01739.

Very truly yours,

Original Signed By
R. E. Simonds

R. E. Simonds, Director
Contracts Management Division

bcc: E. G. Jones
✓L. L. Mink
R. T. Nelson

CAB
JOLee:ahb
JPAnderson
2/1/79

CMD
RESimonds

M.2.12

9-4-79

Joe Lee
Contracts DOE

L. L. Mink , Chief
Resource Definition Branch

CALIFORNIA STATE - COOP RESOURCE DEFINITION PROJECT CONTRACT
DE-AS07-78ID1739

Because of the problems with map size for Montana and California it was agreeded the scale of a map of the respective states Geothermal Resources would be changed from 1:500,00 to 1:750,000.

I concur in this decision and recoment a change in the scope of the contenttwith California.

OGE *LM*
LLMnk:dm
9-4-79
File:

File 1001739
M2.12

FORM PR-799A (TEST)
MAY 1979

U. S. DEPARTMENT OF ENERGY
PROCUREMENT-FINANCIAL ASSISTANCE REQUEST-AUTHORIZATION

1. TO: Contract Negotiation Branch - ID

2. FROM (INITIATING OFFICE) Energy & Technology Division - Office of Geothermal Energy

3. INITIAL: [] UPDATE: [] 4. PROCUREMENT: [] FINANCIAL ASSISTANCE: []
5. PR NUMBER: _____ 6. PR CORRECTION LETTER: _____ 7. RELATED PR NUMBER: _____

ACTION IDENTIFICATION
8. TITLE: Extension of Time only
Contract with State of California, Department of
Conservation, Division of Mines & Geology

9. UNSOLICITED PROPOSAL NO: _____ 10. PROJECT NO: _____ 11. CFDA NO: _____
12. PRODUCT OR SERVICE: * _____ 13. SUPPORT SERVICES: YES [] NO [] 14. CONSULTANT AWARD: YES [] NO []
15. CONTROLLED DELIVERABLE: * _____ 16. REPORT/DRAWING REQ: YES [] NO [] IF YES, ATTACH DETAILS.
17. CLASSIFICATION OF MATERIALS/WORK: _____ U - UNCLASSIFIED C - CONFIDENTIAL S - SECRET T - TOP SECRET
18. GOVERNMENT PROPERTY: _____ F - FURNISHED P - PURCHASED N - NOT INVOLVED IF CODE F OR P, ATTACH DETAILS.

AWARD PLANNING
19. AWARD AS ORDER UNDER BIN: _____ IF CODE T, _____
20. DESIRED AWARD DATE: _____ 21. KIND OF AWARD ACTION: * _____ 22. TYPE OF AWARD: * _____ ATTACH DETAILS.
23. IF MULTI-YEAR AWARD, INDICATE NUMBER OF YEARS: _____ 24. TYPE SOLICITATION INSTRUMENT: * _____
25. EXTENT OF COMPETITION: * _____ IF COMPETITIVE, ATTACH TECHNICAL EVALUATION PLAN. IF NON-COMPETITIVE, ATTACH JUSTIFICATION. REF: DOE-PR 9-3,305,51 or 9-4,309(1).
26. SOURCE SELECTION PROCEDURE: _____ 1 - A-E 2 - SEB 3 - OTHER 4 - NONE
27. FOR A-E, SHOW ESTIMATED CONSTRUCTION COST IN DOLLARS. _____

AWARDFE
IF COMPETITIVE, HAS LIST OF SOURCES BEEN ATTACHED? YES [] NO [] IF NON-COMPETITIVE, COMPLETE 23-31
28. NAME: _____ 29. ADDRESS: _____
30. DIVISION: _____
31. GOCC/LAB: _____ A - GOCC/LAB B - GOCC/NON-LAB C - NON-GOCC LAB D - NOT APPLICABLE

FINANCIAL
AWARD VALUE
32. GOVT SHARE _____
33. TOTAL _____
34. CONSIDERATION IN KIND, LOAN, OR LOAN _____
35. GUARANTEE DATA REPORTED ON PR-799C: []
36. PROJECT PERIOD: FROM 02 01 79 THRU 04 01 79
MONTH DAY YEAR MONTH DAY YEAR

CURRENT FY FUNDS COMMITTED

36. B&R NUMBER	37. FUND CLASS	38. DOLLAR AMOUNT
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
39. FROM PR-799B (PART A)	_____	_____
40. TOTAL THIS PR	_____	_____
41. FUNDING PERIOD: FROM _____ THRU _____	_____	_____
42. APPROPRIATION SYMBOL	_____	_____
43. ALLOTMENT SYMBOL	_____	_____
44. OBJECT CLASS	_____	_____

PROJECT MANAGER
45. NAME: Leland L. Mink
46. SIGNATURE: [Signature]
47. DATE: 01 30 79 48. OFFICE CODE: _____
MONTH DAY YEAR
49. FTS TELEPHONE NUMBER: 583-0638

PROGRAM OFFICIAL
50. NAME: Richard E. Wood
51. SIGNATURE: [Signature]
52. DATE: 01 30 79
MONTH DAY YEAR

CERTIFYING OFFICIAL
53. NAME: _____
I HEREBY CERTIFY THAT THE FUNDS CITED IN ITEM 40 ARE AVAILABLE
54. SIGNATURE: _____
55. DATE: _____
MONTH DAY YEAR

USE BACK SIDE FOR OTHER CODES

PR 7997-7-10017-
file

U. S. DEPARTMENT OF ENERGY
PROCUREMENT/FINANCIAL ASSISTANCE REQUEST-AUTHORIZATION

1. TO Contract Negotiation Branch - ID

2. FROM INITIATING OFFICE Energy & Technology Division - Office of Geothermal Energy

3. INITIAL: [] UPDATE: [] 4. PROCUREMENT: [] FINANCIAL ASSISTANCE: []

5. PR NUMBER: _____ 6. PR CORRECTION LETTER: _____ 7. RELATED PR NUMBER: _____

ACTION IDENTIFICATION

8. TITLE: Extension of Time only
Contract with State of California, Department of
Conservation, Division of Mines & Geology

9. UNSOLICITED PROPOSAL NO: _____ 10. PROJECT NO: _____ 11. CFDA NO: _____

12. PRODUCT OR SERVICE: * _____ 13. SUPPORT SERVICES: YES [] NO [] 14. CONSULTANT AWARD: YES [] NO []

15. CONTROLLED DELIVERABLE: * _____ 16. REPORT/DRAWING REQ: YES [] NO [] IF YES, ATTACH DETAILS.

17. CLASSIFICATION OF MATERIALS/WORK: _____ U - UNCLASSIFIED C - CONFIDENTIAL S - SECRET T - TOP SECRET

18. GOVERNMENT PROPERTY: _____ F - FURNISHED P - PURCHASED N - NOT INVOLVED IF CODE F OR P, ATTACH DETAILS.

AWARD PLANNING

19. AWARD AS ORDER UNDER BIN: _____ IF CODE T, _____

20. DESIRED AWARD DATE: _____ 21. KIND OF AWARD ACTION: * _____ 22. TYPE OF AWARD: * _____ ATTACH DETAILS.

23. IF MULTI-YEAR AWARD, INDICATE NUMBER OF YEARS: _____ 24. TYPE SOLICITATION INSTRUMENT: * _____

25. EXTENT OF COMPETITION: * _____ IF COMPETITIVE, ATTACH TECHNICAL EVALUATION PLAN. IF NON-COMPETITIVE, ATTACH JUSTIFICATION. REF: DOE-PR 9-3,305,51 or 9-4,909(+).

26. SOURCE SELECTION PROCEDURE: _____ 1 - A-E 2 - SEB 3 - OTHER 4 - NONE

27. FOR A-E, SHOW ESTIMATED CONSTRUCTION COST IN DOLLARS: _____

AWARDEE

IF COMPETITIVE, HAS LIST OF SOURCES BEEN ATTACHED? YES [] NO [] IF NON-COMPETITIVE, COMPLETE 28 - 31.

28. NAME: _____ 29. ADDRESS: _____

30. DIVISION: _____

31. GOCO/LAB: _____ A - GOCO/LAB B - GOCO/NON-LAB C - NON-GOCO/LAB D - NOT APPLICABLE

FINANCIAL

AWARD VALUE		DOLLAR AMOUNT
32. GOV'T SHARE	_____	_____
33. TOTAL	_____	_____
34. CONSIDERATION IN KIND, LOAN, OR LOAN GUARANTEE DATA REPORTED ON PR-799C: []		
35. PROJECT PERIOD: FROM	<u>02 01 79</u>	THRU <u>04 01 79</u>
	MONTH DAY YEAR	MONTH DAY YEAR

CURRENT FY FUNDS COMMITTED		
36. B&R NUMBER	37. FUND CLASS	38. DOLLAR AMOUNT
_____	_____	_____
_____	_____	_____
_____	_____	_____

39. FROM PR-799B (PART A) _____

40. TOTAL THIS PR 000000000

41. FUNDING PERIOD: FROM _____ THRU _____

42. APPROPRIATION SYMBOL: _____

43. ALLOTMENT SYMBOL: _____

44. OBJECT CLASS: _____

PROJECT MANAGER

45. NAME: Leland L. Mink

46. SIGNATURE: [Signature]

47. DATE: 01 30 79 48. OFFICE CODE: _____

49. FTS TELEPHONE NUMBER: 583-0638

PROGRAM OFFICIAL

50. NAME: Richard E. Wood

51. SIGNATURE: _____

52. DATE: _____

CERTIFYING OFFICIAL

53. NAME: _____

I HEREBY CERTIFY THAT THE FUNDS CITED IN ITEM 40 ARE AVAILABLE.

54. SIGNATURE: _____

55. DATE: _____

* SEE BACK OF FORM FOR CODES