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Cost Proposal to the United States Energy Research and Development Administration Studies and Environmental Policy Analysis: Water Quality and Quantity Issues that Affect ERDA Programs

Jay M. Bagley

L. Douglas James

M. K. Jeppesen

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Cost Proposal
to the
United States Energy Research and Development Administration
for
Studies and Environmental Policy Analysis:
Water Quality and Quantity Issues that affect ERDA Programs
RFP No. E-02-77-0346

Submitting Agency

Utah Water Research Laboratory
Utah State University
Logan, Utah 84322

Budget Summary

Direct Labor	\$ 145,837.95
Labor Overhead	87,502.77
Direct Materials	11,544.00
Travel	52,404.00
Special Consultants	79,719.60
Other Direct Costs	45,942.73
General and Administrative	0
Fee or Profit	0
Total Estimated Cost	<u>\$ 422,951.05</u>

Approved By

Project Leader


Jay M. Bagley, Professor, Department
of Civil and Environmental Engineering

Administrative Center

L. Douglas James, Director
Utah Water Research Laboratory

Contract Office


M. K. Jeppesen, Contracts Officer

DEPARTMENT OF DEFENSE
CONTRACT PRICING PROPOSAL
 (RESEARCH AND DEVELOPMENT)

Form Approved
 Budget Bureau No. 22-R0100

This form is for use when (i) submission of cost or pricing data (see ASPR 3-807.3) is required and (ii) substitution for the DD Form 633 is authorized by the contracting officer.

PAGE NO. 1
 NO. OF PAGES 2

NAME OF OFFEROR Utah State University	SUPPLIES AND/OR SERVICES TO BE FURNISHED Studies and environmental policy analysis: water quality and quantity issues that affect ERDA programs	
HOME OFFICE ADDRESS (Include ZIP Code) Campus - Utah State University Logan, Utah 84322		
DIVISION(S) AND LOCATION(S) WHERE WORK IS TO BE PERFORMED Same as above	TOTAL AMOUNT OF PROPOSAL \$	GOVT SOLICITATION NO. E-02-77-0346

DETAIL DESCRIPTION OF COST ELEMENTS

1. DIRECT MATERIAL (Itemize on Exhibit A)	EST COST (\$)	TOTAL EST COST ¹	REFER- ² ENCE
a. PURCHASED PARTS	11,544.00		
b. SUBCONTRACTED ITEMS			
c. OTHER - (1) RAW MATERIAL			
(2) YOUR STANDARD COMMERCIAL ITEMS			
(3) INTERDIVISIONAL TRANSFERS (At other than cost)			
TOTAL DIRECT MATERIAL		11,544.00	B
2. MATERIAL OVERHEAD ³ (Rate % X \$ base =)			
3. DIRECT LABOR (Specify)	ESTIMATED HOURS	RATE/HOUR	EST COST (\$)
Project Leader	600	23.06	13,836
Task Group Leaders	2274	17.17	39,045
Task Analysis Group Members	4950	14.38	71,181
Research Assistants	2325	6.69	15,554.25
Secretarial	1395	4.46	6,221.70
TOTAL DIRECT LABOR			145,837.95 A
4. LABOR OVERHEAD (Specify department or cost center) ³	O.H. RATE	X BASE =	EST COST (\$)
Composite University	60%	145,837.95	87,502.77
TOTAL LABOR OVERHEAD			87,502.77
5. SPECIAL TESTING (Including field work at Government installations)		EST COST (\$)	
None			
TOTAL SPECIAL TESTING			
6. SPECIAL EQUIPMENT (If direct charge) (Itemize on Exhibit A)	None		
7. TRAVEL (If direct charge) (Give details on attached Schedule)		EST COST (\$)	C
a. TRANSPORTATION		28,404.00	
b. PER DIEM OR SUBSISTENCE		24,000.00	
TOTAL TRAVEL		52,404.00	
8. CONSULTANTS (Identify - purpose - rate)		EST COST (\$)	
Utah State University Foundation		65,119.60	D
Auxiliary Support Organization		14,600.00	E
TOTAL CONSULTANTS		79,719.60	
9. OTHER DIRECT COSTS (Itemize on Exhibit A)		45,942.78	F
TOTAL DIRECT COST AND OVERHEAD		422,951.05	
11. GENERAL AND ADMINISTRATIVE EXPENSE (Rate % of cost element Nos.) ³			
12. ROYALTIES ⁴			
TOTAL ESTIMATED COST			
14. FEE OR PROFIT		422,951.05	
TOTAL ESTIMATED COST AND FEE OR PROFIT		422,951.05	

This proposal is submitted for use in connection with and in response to (Describe RFP, etc.)
 Same as above

and reflects our best estimates as of this date, in accordance with the instructions to offerors and the footnotes which follow.


TYPED NAME AND TITLE M. K. Jeppesen Director of Contracts and Grants	SIGNATURE 
NAME OF FIRM Utah State University	DATE OF SUBMISSION 6 July 1977

EXHIBIT A - SUPPORTING SCHEDULE (Specify: If more space is needed, use blank sheets)

COST EL NO.	ITEM DESCRIPTION (See footnote 5)	EST COST (\$)
	Refer to Attached Document, for addition cost detail - See Reference "F"	45,942.73
9	Computer	10,000.00
9	Staff Benefits (23%)	33,542.73
9	Conference Expenses	2,400.00

HAVE THE DEPARTMENT OF DEFENSE, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OR THE ATOMIC ENERGY COMMISSION PERFORMED ANY REVIEW OF YOUR ACCOUNTS OR RECORDS IN CONNECTION WITH ANY OTHER GOVERNMENT PRIME CONTRACT OR SUBCONTRACT WITHIN THE PAST TWELVE MONTHS?
 YES NO *If yes, identify below.*

NAME AND ADDRESS OF REVIEWING OFFICE (Include ZIP Code) TELEPHONE NUMBER/EXTENSION
 U.S. Dept of the Interior/Office of Audit and Investigation 916-484-4768
 Sacramento, California

I. WILL YOU REQUIRE THE USE OF ANY GOVERNMENT PROPERTY IN THE PERFORMANCE OF THIS PROPOSED CONTRACT?
 YES NO *If yes, identify on a separate page.*

II. DO YOU REQUIRE GOVERNMENT CONTRACT FINANCING TO PERFORM THIS PROPOSED CONTRACT?
 YES NO *If yes, identify:* ADVANCE PAYMENTS PROGRESS PAYMENTS OR GUARANTEED LOANS

V. DO YOU NOW HOLD ANY CONTRACT (or, do you have any independently financed (IR & D) projects) FOR THE SAME OR SIMILAR WORK CALLED FOR BY THIS PROPOSED CONTRACT?
 YES NO *If yes, identify*

VII. DOES THIS COST SUMMARY CONFORM WITH THE COST PRINCIPLES SET FORTH IN ASPR, SECTION XV (See 3-807.2 (c) (2))?
 YES NO *If no, explain on a separate page.*

INSTRUCTIONS TO OFFERORS

1. The purpose of this form is to provide a standard format by which the offeror submits to the Government a summary of incurred and estimated cost (and attached supporting information) suitable for detailed review and analysis. Prior to the award of a contract resulting from this proposal the offeror shall, under the conditions stated in ASPR 3-807.3, be required to submit a Certificate of Current Cost or Pricing Data (see ASPR 3-807.3(e) and 3-807.4).

2. As part of the specific information required by this form, the offeror must submit with this form, and clearly identify as such, cost or pricing data (that is, data which is verifiable and factual and otherwise as defined in ASPR 3-807.3(e)). In addition, he must submit with this form any information reasonably required to explain the offeror's estimating process, including:

- a. the judgmental factors applied and the mathematical or other methods used in the estimate including those used in projecting from known data, and
- b. the contingencies used by offeror in his proposed price.

3. When attachment of supporting cost or pricing data to this form is impracticable, the data will be specifically identified and described (with schedules as appropriate), and made available to the contracting officer or his representative upon request.

4. The format for the "Cost Elements" is not intended as rigid requirements. These may be presented in different format with the prior approval of the contracting officer if required for more effective and efficient presentation. In all other respects this form will be completed and submitted without change.

5. By submission of this proposal, offeror, if selected for negotiation, grants to the contracting officer, or his authorized representative, the right to examine, for the purpose of verifying the cost or pricing data submitted, those books, records, documents and other supporting data which will permit adequate evaluation of such cost or pricing data, along with the computations and projections used therein. This right may be exercised in connection with any negotiations prior to contract award.

FOOTNOTES

1 Enter in this column those necessary and reasonable costs which in the judgment of the offeror will properly be incurred in the efficient performance of the contract. When any of the costs in this column have already been incurred (e.g., on a letter contract or change order), describe them on an attached supporting schedule. Identify all sales and transfers between your plants, divisions, or organizations under a common control, which are included at other than the lower of cost to the original transferee or current market price.

2 When space in addition to that available in Exhibit A is required, attach separate pages as necessary and identify in this "Reference" column the attachment in which information supporting the specific cost element may be found. No standard format is prescribed; however, the cost or pricing data must be accurate, complete and current, and the judgment factors used in projecting from the data to the estimates must be stated in sufficient detail to enable the contracting officer to evaluate the proposal. For example, provide the basis used for pricing materials such as by vendor quotations, shop estimates, or invoice prices; the reason for use of overhead rates which depart significantly from experienced rates (reduced volume, a planned major rearrangement, etc.); or justification for an increase in labor rates (anticipated wage and salary increases, etc.). Identify and explain any contingencies which are included in the proposed price, such as anticipated costs of rejects and defective work, or anticipated technical difficulties.

3 Indicate the rates used and provide an appropriate explanation. Where agreement has been reached with Government representatives on the use of forward pricing rates, describe the nature of the agreement. Provide the method of computation and application of your overhead expense, including cost breakdown and showing trends and budgetary data as necessary to provide a basis for evaluation of the reasonableness of proposed rates.

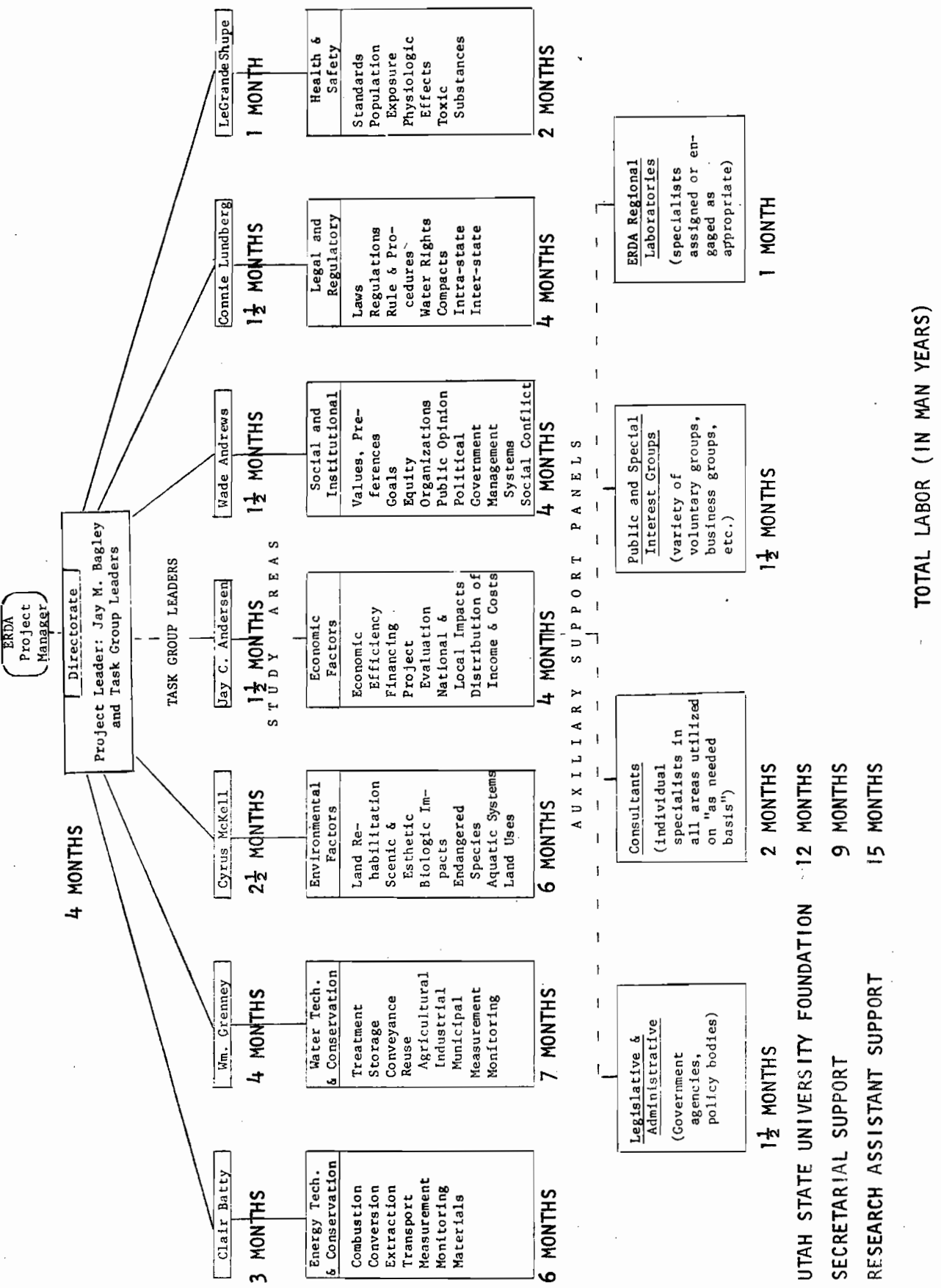
4 If the total royalty cost entered here is in excess of \$250 provide on a separate page (or on DD Form 783, Royalty Report) the following information on each separate item of royalty or license fee: name and address of licensor; date of license agreement; patent numbers, patent application serial numbers, or other basis on which the royalty is payable; brief description, including any part or model numbers of each contract item or component on which the royalty is payable; percentage or dollar rate of royalty per unit; unit price of contract item; number of units; and total dollar amount of royalties. In addition, if specifically requested by the contracting officer, a copy of the current license agreement and identification of applicable claims of specific patents shall be provided.

5 Provide a list of principal items within each category indicating known or anticipated source, quantity, unit price, competition obtained, and basis of establishing source and reasonableness of cost.

ATTACHMENT TO COST PROPOSAL

ONE MAN YEAR IS CALCULATED AT 1800 HOURS FOR PROFESSIONAL PERSONNEL, AND 1856 FOR SECRETARIAL AND RESEARCH ASSISTANTS.

TOTAL TIME ALLOCAT'N (MAN/YEAR)



TOTAL LABOR (IN MAN YEARS)

7.83

DIRECT LABOR ESTIMATE DETAIL SHEET

DATE: 1 JULY 1977

PROPOSAL TITLE: STUDIES AND ENVIRONMENTAL POLICY ANALYSIS: WATER PROPOSAL NUMBER: E-02-77-0346

QUALITY AND QUANTITY ISSUES THAT AFFECT ERDA PROGRAMS

TASK NUMBER: _____ TASK TITLE: _____

SUBTASK	WORK FUNCTION DESCRIPTION	LABOR JUSTIFICATION	MANHOURLY ESTIMATE	DOLLAR ESTIMATE
GENERAL INFORMATION RELATING TO DIRECT		<p>LABOR ESTIMATE DETAIL SHEET</p> <p>THE INFORMATION PROVIDED IN THE SUBSEQUENT SHEETS WAS DEVELOPED AS A MEANS FOR THE CONTRACTOR PROPOSAL EVALUATION PANEL TO ANALYZE THE RATIONALE USED IN DEVELOPING OUR COST PROPOSAL.</p> <p>IT IS THE PLAN OF UTAH STATE UNIVERSITY TO ESTABLISH AN ANALYSIS AND STUDY GROUP COMPRISED OF THE GROUP DIRECTOR AND SEVEN TASK GROUPS, WITH SUPPORT FROM AUXILIARY SUPPORT PANELS. A COPY OF THIS ORGANIZATIONAL STRUCTURE HAS BEEN INCLUDED AS PART OF THIS COST PACKAGE.</p> <p>TO FACILITATE THE MOST EFFICIENT USE OF FACULTY AND STAFF PERSONNEL FROM THE UNIVERSITY, IT IS ALSO ANTICIPATED TO UTILIZE THE SERVICES OF THE UTAH STATE UNIVERSITY FOUNDATION (EXPLAINED FURTHER UNDER REFERENCE "D" OF THIS PROPOSAL PACKAGE). THE FOUNDATION WILL BE UTILIZED FOR ALL SHORT DURATION CONSULTING EFFORTS WHERE WORK MUST BE DONE IN A SHORT TIME FRAME UTILIZING PROFESSIONAL STAFF FROM THE UNIVERSITY.</p> <p>SINCE IT IS NOT POSSIBLE AT THIS TIME TO DETERMINE WHICH STUDY AREAS WILL BE IDENTIFIED BY ERDA FOR ANALYSIS, IT IS ALSO NOT POSSIBLE TO DETERMINE WHICH OF OUR STUDY PERSONNEL WILL BE MOST UTILIZED. FOR THIS REASON, WE HAVE CONSTRUCTED OUR BEST ESTIMATE RELATING TO ANTICIPATED COSTS AND HAVE USED A COMPOSITE RATE OF THESE GROUP PARTICIPANTS. THIS RATE IS CURRENT FOR FISCAL 1978 (JULY 1, 1977 THROUGH JUNE 30, 1978), WITH A PROJECTED INCREASE OF SEVEN PERCENT FOR FISCAL 1979. AN AVERAGE COMPOSITE RATE INCLUDING THE SALARY PROJECTION HAS BEEN USED FOR OUR SALARY CALCULATIONS.</p>		

SUBTASK	WORK FUNCTION DESCRIPTION	LABOR JUSTIFICATION	MAN HOUR ESTIMATE	DOLLAR ESTIMATE
<p><u>GENERAL INFORMATION (CONTINUED)</u></p>		<p>THE ESTIMATED MAN HOURS IDENTIFIED INCLUDES TRAVEL TIME AND TIME ASSOCIATED WITH A SERIES OF MEETINGS, CONFERENCES, AND WORKSHOPS INVOLVING UNIVERSITY STAFF AND AUXILIARY SUPPORT PANEL MEMBERS. SUCH MEETINGS WOULD LIKELY BE HELD IN SALT LAKE CITY, UTAH. REFER TO REFERENCE "C" FOR DETAIL OF TRAVEL COST ESTIMATES.</p>		

DIRECT LABOR ESTIMATE DETAIL SHEET

DATE: 1 JULY 1977

PROPOSAL TITLE: STUDIES AND ENVIRONMENTAL POLICY ANALYSIS: WATER PROPOSAL NUMBER: E-02-77-0346 (RFP)

QUALITY AND QUANTITY ISSUES THAT AFFECT ERDA PROGRAMS

TASK NUMBER: _____ TASK TITLE: _____

SUBTASK	WORK FUNCTION DESCRIPTION	LABOR JUSTIFICATION	MANHOURL ESTIMATE	DOLLAR ESTIMATE
1	RESPONSIBLE FOR PERFORMING ANALYSES AND FOR CONDUCTING STUDIES AND REVIEWS AS IDENTIFIED BY THE ERDA-HEADQUARTERS OFFICE OF ENVIRONMENTAL POLICY ANALYSIS. WORK ORDER REQUIREMENTS WILL BY ANALYZED BY THE UTAH STATE UNIVERSITY ANALYSIS AND STUDY GROUP. A SYSTEMATIC REVIEW WILL BE MADE BY MEMBERS OF THE EFFECTED TASK GROUPS. THIS REVIEW WILL DELINEATE THE MAJOR ENVIRONMENTAL AND ENERGY DEVELOPMENT PROBLEMS, THE SOURCE AND BACKGROUND OF THE ISSUE, ORGANIZATIONS INVOLVED, AND THE OBJECTIVES TO BE ACHIEVED, AND DECISION ORIENTED EVALUATION OF ALTERNATIVE COURSES OF ACTION. THE ANALYSIS AND STUDY GROUP WILL CONDUCT SPECIAL IN-DEPTH POLICY ANALYSES WHICH WOULD POSSIBLY INCLUDE EXAMINATION OF THE INFORMATION BASED USED IN MAKING THE POLICY, SOURCE AND TYPES OF POLLUTANTS, HEALTH, ECONOMIC AND SOCIAL EFFECTS, METHODS OF OBTAINING DATA, POTENTIAL IMPACTS OF THE POLICY OR REGULATION.	<p>IT IS ESTIMATED THAT THE WORK FUNCTIONS AS IDENTIFIED WILL BE PERFORMED BY THE ANALYSIS AND STUDY GROUP. THIS GROUP IS COMPRISED OF THE FOLLOWING PROFESSIONAL PERSONNEL.</p> <p><u>GROUP DIRECTOR</u> - RESPONSIBLE FOR THE COORDINATION BETWEEN THE ERDA PROJECT MANAGER, TASK GROUP LEADERS, AUXILIARY SUPPORT PANELS, AND OTHER CONSULTING ORGANIZATIONS.</p> <p>DIRECTOR EFFORT ANTICIPATED AS BEING A FOUR (4) MAN MONTH EFFORT (600 HOURS X \$23.06 PER HOUR)</p> <p><u>TASK GROUP LEADER</u> - RESPONSIBLE FOR THE DIRECTION OF EACH ANALYSIS AND STUDY GROUP INCLUDING ENERGY TECHNOLOGY AND CONSERVATION, WATER TECHNOLOGY AND CONSERVATION, ENVIRONMENTAL FACTORS, ECONOMIC FACTORS, SOCIAL AND INSTITUTIONAL, LEGAL AND REGULATORY, AND HEALTH AND SAFETY.</p> <p>GROUP LEADER EFFORT ANTICIPATED AS BEING A FIFTEEN (15) MAN MONTH EFFORT (2274 HOUR X \$17.17 PER HOUR - AVERAGE SALARY)</p> <p><u>TASK ANALYSIS GROUP</u> - RESPONSIBLE TO THE TASK GROUP LEADER AND TO THE OPERATIONS DIRECTOR. SHALL PROVIDE ALL SUPPORT NECESSARY TO ASSURE THE EFFICIENT OPERATION OF THE TASK ANALYSIS GROUP.</p> <p>GROUP EFFORT ANTICIPATED AS BEING A THIRTY-THREE (33) MAN MONTH EFFORT (4950 HOURS X \$14.38 PER HOUR - AVERAGE SALARY)</p>	600	\$ 13,836.00
2			2274	\$ 39,045.00
			4950	\$ 71,181.00

DIRECT LABOR ESTIMATE DETAIL SHEET

DATE: 1 JULY 1977

PROPOSAL TITLE: STUDIES AND ENVIRONMENTAL POLICY ANALYSIS: WATER PROPOSAL NUMBER: E-02-77-0346 (RFP)

QUALITY AND QUANTITY ISSUES THAT AFFECT ERDA PROGRAMS

TASK NUMBER: _____ TASK TITLE: _____

SUBTASK	WORK FUNCTION DESCRIPTION	LABOR JUSTIFICATION	MANHOUR ESTIMATE	DOLLAR ESTIMATE
3	RESPONSIBLE FOR PERFORMING A CRITICAL REVIEW OF SELECTED REPORTS ARISING FROM ERDA PROGRAMS. THESE REPORTS SHALL INCLUDE, BUT NOT BE LIMITED TO, ISSUE PAPERS AND TECHNICAL REPORTS RESULTING FROM SPECIAL POLICY ANALYSES OF SPECIFIC ISSUES OR BROAD SCOPE AREAS OF CONCERN. THE REVIEW SHALL CONSIDER BOTH TECHNICAL AND PROGRAMMATIC ADEQUACY OF THE REPORTS. EVALUATION OF THE REPORTS AND RECOMMENDED REVISIONS WILL ALSO BE A FUNCTION OF THE ANALYSIS AND STUDY GROUP.	<p>RESEARCH ASSISTANTS - RESPONSIBLE FOR ASSISTING THE TASK GROUP LEADERS RELATING TO COLLECTION OF DATA, SPECIAL REPORTING, AND NON-ANALYTICAL PROGRAM SUPPORT</p> <p>RESEARCH ASSISTANT EFFORT ANTICIPATED AS BEING A FIFTEEN MAN MONTH EFFORT (2325 HOURS X \$6.69 PER HOUR)</p> <p>SECRETARIAL EFFORT - RESPONSIBLE FOR PROVIDING ALL NECESSARY SECRETARIAL SUPPORT ASSOCIATED WITH COMPLETING CONTRACTUAL EFFORT.</p> <p>SECRETARIAL EFFORT ESTIMATED AS BEING A NINE MAN MONTH EFFORT (1395 HOURS X \$4.46 PER HOUR)</p> <p>TOTAL DIRECT LABOR ESTIMATE</p>	2,325	\$ 15,554.25
			1,395	\$ 6,221.70
			11,554	\$145,837.95

NOTE: THE ABOVE EFFORT IS ANTICIPATED TO BE PERFORMED AS A PART OF HIS OR HER PROFESSIONAL TIME THROUGH UTAH STATE UNIVERSITY. THESE INDIVIDUALS MAY HOWEVER BE REQUIRED TO PROVIDE SERVICES ON AN OVERLOAD BASIS, AND SUCH SERVICE WILL BE PROVIDED THROUGH THE UTAH STATE UNIVERSITY FOUNDATION. WORK OF THIS OVERLOAD NATURE IS ANTICIPATED BE APPROXIMATELY ONE (1) MAN YEAR. (SEE REFERENCE "D")

UTAH STATE UNIVERSITY
E-02-77-0346 (RFP)

PURCHASED PARTS (DIRECT MATERIALS)

TASK NUMBER _____ TITLE: _____

APPLICABLE TASK (SUB)	WORK DESCRIPTION	COST CALCULATION	
	<p>IT IS ANTICIPATED THAT MATERIALS UTILIZED ON THIS PROJECT WILL BE OF THE EXPENDABLE TYPE. THE ESTIMATE IS BASED UPON MATERIAL USAGE BY PROJECT PERSONNEL. FOR THE PURPOSES OF THIS ESTIMATE, A VALUE OF \$1.00 MATERIAL HAS BEEN APPLIED TO EACH HOUR WORKED BY PROJECT PERSONNEL.</p> <p style="text-align: center;">*NOTE: THIS REPRESENTS AN ENGINEERING ESTIMATE</p>	<p>*\$1.00 PER HOUR X 11,544 HOURS.</p>	<p>\$ 11,544.00</p>

REFERENCE POINT TO OPTIONAL FORM 60

LEGEND:

F = B X C X D X E
 I = A X C X G X H
 J = F + I

PROGRAM TRAVEL REQUIREMENTS

NOTE: ALL TRIPS ORIGINATE AT LOGAN, UTAH AND ARE CALCULATED AS ROUND TRIP FARE UNLESS OTHERWISE NOTED.

TASK REF.	TRIP DESTINATION	TRAVEL METHOD	A	B	C	D	E	F	G	H	I	J
			MEN PER TRIP	VEHICLE PER TRIP	NUMBER OF TRIP	MILES PER TRIP	AUTH PER MIL	SUB TOTAL	DAYS PER TRIP	PER DIM PER DAY	SUB TOTAL	TOTAL COST
	SALT LAKE CITY, UTAH	P.O.C.	15	5	24	168	.15	3,024.00	1 1/2	25.00	3,500.00	\$16,524.00
	LOS ANGELES, CA. AREA TO LA AIRPORT	P.O.C.	3	3	24	50	.15	540.00	-	-	-	540.00
	LOS ANGELES, CA AREA TO SALT LAKE CITY, UTAH.	AIR	3	-	24	-	\$150.00 PER TRIP	10,800.	2 1/2	35.00	6,300.00	\$17,100.00
	DENVER, CO AREA TO DENVER AIRPORT	P.O.C.	2	2	24	50	.15	360.00	-	-	-	360.00
	DENVER, CO. AREA TO SALT LAKE CITY, UTAH	AIR	2	-	24	-	\$110.00 PER TRIP	5,280.	2 1/2	35.00	4,200.00	9,480.00
	RENTAL CAR FROM SALT LAKE CITY, UTAH TO LOGAN, UTAH	RENTAL	5	5	24	-	\$70.00	8,400.	-	-	-	8,400.00
	TOTALS							28,404.00			24,000.00	\$52,404.00

SUBCONTRACT COSTS

TASK NUMBER: _____ TITLE: _____

APPLICABLE TASK	WORK DESCRIPTION	COST CALCULATION	DOLLAR ESTIMATE
	<p>THE UTAH STATE UNIVERSITY FOUNDATION WILL BE UTILIZED TO PERFORM "SHORT DURATION" WORK FUNCTIONS WHERE MORE PRACTICAL AND CONVENIENT.</p> <p>IT IS ANTICIPATED THAT ALL QUICK TURN-AROUND TYPE EFFORT REQUIRING OVERTIME OR OFF-HOUR WORK WILL BE PERFORMED BY THE FOUNDATION. PROFESSIONAL STAFF OF THE UNIVERSITY WILL BE EMPLOYED BY THE FOUNDATION UNDER THE DIRECTION OF THE PROJECT DIRECTOR. A SUMMARY OF THIS WORK IS INCLUDED UNDER ATTACHMENT NUMBER 1, AND IS INCLUDED AS PART OF THIS SUBCONTRACT PACKET.</p>	<p>REFER TO ATTACHMENT</p>	<p>\$ 65,119.60</p>

REFERENCE "D" TO OPTIONAL FORM 60

UTAH STATE UNIVERSITY
E-02-77-0346 (RFP)

CONSULTANTS (UTAH STATE UNIVERSITY FOUNDATION)

THE UTAH STATE UNIVERSITY FOUNDATION IS A SEPARATE, NON-PROFIT CORPORATION ESTABLISHED UNDER THE LAWS OF THE STATE OF UTAH. THIS ORGANIZATION IS NOT A PART OF UTAH STATE UNIVERSITY, BUT WAS ESTABLISHED TO ASSIST THE UNIVERSITY IN ACHIEVING ITS GOALS AND PURPOSES.

THE FOUNDATION PROVIDES A MEANS FOR PROFESSIONAL FACULTY AND STAFF PERSONNEL OF THE UNIVERSITY TO WORK ON AN OVERLOAD BASIS, AND PROVIDE SERVICES TO THE UNIVERSITY WHICH WOULD NOT BE POSSIBLE BECAUSE OF TIME RESTRAINTS OR TEACHING COMMITMENTS THROUGH THE UNIVERSITY.

IT IS THE INTENT (OF THIS PROPOSAL) TO UTILIZE UNIVERSITY PERSONNEL WHENEVER POSSIBLE WITH THEIR TIME ALLOCATED AS PART OF THEIR REGULAR PROFESSIONAL ASSIGNMENTS, BUT WHEN THIS IS NOT PRACTICAL, THEN UTAH STATE UNIVERSITY FOUNDATION WILL BE UTILIZED TO PROVIDE VERSATILITY FOR "SHORT TERM" PROFESSIONAL ASSISTANCE. THE HOURS IDENTIFIED IN THE SUBSEQUENT PAGES REFLECT THIS "SHORT TERM" TYPE WORK.

A SUMMARY OF ANTICIPATED "SUB-CONTRACT" EFFORT THROUGH THE FOUNDATION IS IDENTIFIED IN THE FOLLOWING FOUNDATION PROPOSAL PACKAGE. (SEE ATTACHMENT "D")

PROPOSAL TITLE: STUDIES AND ENVIRONMENTAL POLICY ANALYSIS: WATER PROPOSAL NUMBER: E-02-77-0346 (RFP)

QUALITY AND QUANTITY ISSUES THAT AFFECT ERDA PROGRAMS

TASK NUMBER: _____ TASK TITLE: _____

SUBTASK	WORK FUNCTION DESCRIPTION	LABOR JUSTIFICATION	MANHOUR ESTIMATE	DOLLAR ESTIMATE
	<p>PROVIDE ALL NECESSARY SUB-CONTRACT EFFORT TO FACILITATE EFFECTIVE AND MOST EFFICIENT UTILIZATION OF FACULTY AND STAFF PERSONNEL FROM UTAH STATE UNIVERSITY.</p>	<p>IT IS ESTIMATED THAT THE WORK FUNCTIONS AS IDENTIFIED WILL BE PERFORMED UNDER THE DIRECTION OF THE GROUP DIRECTOR, AND WILL BE COMPRISED OF MEMBERS OF THE FACULTY AND STAFF OF UTAH STATE UNIVERSITY. THE ESTIMATE IS IDENTIFIED AS FOLLOWS:</p> <p>UNDER THE DIRECTION OF THE GROUP DIRECTOR, MEMBERS OF THE UNIVERSITY WILL BE RESPONSIBLE FOR ANALYSIS AND STUDY INCLUDING ENERGY TECHNOLOGY AND CONSERVATION, WATER TECHNOLOGY AND CONSERVATION, ENVIRONMENTAL FACTORS, ECONOMIC FACTORS, SOCIAL AND INSTITUTIONAL, LEGAL AND REGULATORY, AND HEALTH AND SAFETY. CALCULATIONS OF MANHOUR REQUIREMENTS BY PROFESSIONAL CLASSIFICATION IS AS IDENTIFIED:</p> <p>GROUP DIRECTOR (150 HOURS X \$25.81 PER HOUR)</p> <p>TASK GROUP LEADERS (450 HOURS X \$19.50 PER HOUR)</p> <p>TASK ANALYSIS GROUP (1,200 HOURS X \$16.09 PER HOUR)</p>	<p>150</p> <p>450</p> <p>1200</p> <hr/> <p>1800</p>	<p>\$ 3,871.50</p> <p>\$ 8,775.00</p> <p>\$ 19,308.00</p> <hr/> <p>\$ 31,954.50</p>
	DIRECT SECRETARIAL LABOR	(SEE ATTACHMENT A)	180	910.80
	TOTAL CONSULTING LABOR	(SEE ABOVE WORK DESCRIPTION)		\$ 32,865.30
	FACILITY RENTAL COSTS	(SEE ATTACHMENT B)		10,352.57
	DIRECT MATERIAL REQUIREMENTS	(SEE ATTACHMENT C)		2,039.40
		TOTAL FOUNDATION CONSULTING LABOR		

SUBTASK	WORK FUNCTION DESCRIPTION ATTACHMENT TO REFERENCE 'D''	LABOR JUSTIFICATION	MANHOUR ESTIMATE	DOLLAR ESTIMATE
	INDIRECT COSTS	(SEE ATTACHMENT D)		\$ 14,132.08
	FRINGE BENEFITS	(SEE ATTACHMENT E)		2,629.22
	MANAGEMENT FEE		<u>1980</u>	<u>\$ 62,018.57</u>
		TOTAL FOUNDATION CONSULTING EFFORT		\$ <u>3,100.93</u>
		GRAND TOTAL FOUNDATION SUBCONTRACT COSTS		\$ <u>65,119.60</u>

ATTACHMENT "A"

UTAH STATE UNIVERSITY
E-02-77-0346 (RFP)

DIRECT SECRETARIAL LABOR

NOTE: ALL SECRETARIAL AND CLERICAL HAS BEEN CALCULATED AT TEN (10) PERCENT OF DIRECT LABOR MAN HOURS. SECRETARIAL LABOR HAS BEEN COSTED UNDER EACH INDIVIDUAL TASK UNDER THE DIRECT LABOR ESTIMATE DETAIL SHEET. LABOR FOR THIS EFFORT HAS BEEN COSTED AT \$5.06 PER HOUR.

APPLICABLE TASK	SECRETARIAL LABOR CALCULATIONS	DOLLAR ESTIMATE
	STANDARD (1,800 DIRECT HOURS X 10% X \$5.06 PER HOUR)	\$ 910.80
	TOTAL DIRECT SECRETARIAL LABOR	\$ <u>910.80</u>

ATTACHMENT B

UTAH STATE UNIVERSITY FOUNDATION
E-02-77-0346 (RFP)

FACILITY RENTAL COSTS

NOTE: THE UTAH STATE UNIVERSITY FOUNDATION IS AN "ARMS-LENGTH", INDEPENDENT NON-PROFIT CORPORATION, INCORPORATED UNDER THE LAWS OF THE STATE OF UTAH. THE FOUNDATION WAS INCORPORATED AS A SUPPORT ORGANIZATION IN BEHALF OF THE UNIVERSITY, AND ITS PRIME INTEREST IS TO PROMOTE AND ASSIST IN THE DEVELOPMENT OF UTAH STATE UNIVERSITY AS AN EDUCATION AND RESEARCH CENTER, AND TO PROMOTE EDUCATIONAL PROGRAMS IN CONNECTION WITH AND AT THE REQUEST OF, THE UNIVERSITY. IT IS ALSO THE GOAL OF THE FOUNDATION TO ASSIST INDIVIDUALS AND GROUPS AT UTAH STATE UNIVERSITY IN THE DEVELOPMENT AND EXPANSION OF RESEARCH, INSTRUCTIONAL, AND SERVICE PROGRAMS SUPPLEMENTAL TO AND INTEGRATED WITH THE PRESENT ACTIVITIES OF THE UNIVERSITY.

THE FOUNDATION'S STRENGTH LIES IN THE FACT THAT IT UTILIZED THE RESOURCES AND FACILITIES OF THE UNIVERSITY. PERSONNEL EMPLOYED BY THE FOUNDATION ARE CONTRACTED ON AN OVERLOAD BASIS, AND FACULTY, STAFF, AND STUDENTS FROM THE UNIVERSITY ARE USED AS MUCH AS POSSIBLE IN FULFILLING THE OBLIGATIONS ASSOCIATED WITH A PARTICULAR CONTRACT. IF A PARTICULAR EXPERTISE IS REQUIRED, AND THAT PARTICULAR SKILL IS NOT AVAILABLE FROM WITHIN THE CONFINES OF THE UNIVERSITY, THEN THE FOUNDATION IS CHARTERED TO CONTRACT WITH CONSULTANTS OR OTHER INDIVIDUALS FROM OUTSIDE THE CONFINES OF THE UNIVERSITY SPECTRUM. SINCE THE FACILITIES AND EQUIPMENT OF THE UNIVERSITY ARE AVAILABLE TO THE FOUNDATION, THE UNIVERSITY HAS ESTABLISHED FACILITY RENTAL COSTS BASED UPON UTILIZATION BY FACULTY AND STAFF PERSONNEL. THIS RATE HAS BEEN ESTABLISHED AT FORTY-TWO (42) PERCENT OF WAGES AND SALARIES OF UNIVERSITY FACULTY, STAFF, AND STUDENTBODY. THIS PERCENTAGE AS WELL AS FACILITY AND EQUIPMENT UTILIZATION HAS BEEN SUMMARIZED BELOW FOR EACH SUBTASK.

APPLICABLE TASK	RENTAL CALCULATION			DOLLAR ESTIMATE
	LABOR DOLLAR ESTIMATE	PERCENT UTILIZATION	RATE PERCENT	
	\$ 32,865.30	75%	42%	\$ 10,352.57
		TOTAL FACILITY RENTAL COSTS		\$ <u>10,352.57</u>

UTAH STATE UNIVERSITY FOUNDATION

DIRECT MATERIAL COSTS

NOTE: MOST MATERIALS THAT WILL BE UTILIZED ON THE PROJECT WILL BE OF THE EXPENDABLE TYPE. THE ESTIMATE IS BASED UPON FOUNDATION HISTORICAL DATA RELATING TO TOTAL MANHOURS AS A RELATIONSHIP TO DIRECT MATERIAL EXPENDITURES. THIS RATIO HISTORICALLY FOR 1976 WAS \$.94 MATERIALS FOR EACH MANHOUR EXPENDED. FOR PURPOSES OF THIS TASK, THE DOLLAR CALCULATION HAS BEEN INCREASED BY TEN PERCENT FOR 1977 AND 1978. THE VALUE OF \$1.03 PER HOUR WORKED WILL BE USED THROUGHOUT THIS PROPOSAL ESTIMATE UNLESS OTHERWISE NOTED.

APPLICABLE SUBTASK	DESCRIPTION OF MATERIAL IF OTHER THAN NOTED ABOVE	DOLLAR ESTIMATE
	STANDARD (1,800 DIRECT HOURS PLUS 180 SECRETARIAL HOURS @ \$1.03 PER HOUR)	\$ 2,039.40
	TOTAL DIRECT MATERIAL COSTS	\$ <u>2,039.40</u>

ATTACHMENT TO REFERENCE 'D' TO OPTIONAL FORM 60 (SUBCONTRACT COSTS - UTAH STATE UNIVERSITY FOUNDATION)

ATTACHMENT 'D'

INDIRECT COST SUMMARY

NOTE: ALL INDIRECT COSTS ARE BASED UPON THE PERCENTAGE RELATIONSHIP BETWEEN WAGES AND SALARIES AND INDIRECT COSTS. THE UTAH STATE UNIVERSITY FOUNDATION AUDITED OVERHEAD RATE FOR CALENDAR YEAR 1976 WAS TWENTY-SIX-PLUS (26.40) PERCENT. THE OVERHEAD PROJECTION FOR CALENDAR YEAR 1977 AND 1978 IS PROJECTED AT FORTY-THREE (43.00) PERCENT.

APPLICABLE TASK(SUB)	LABOR CLASSIFICATION				TOTAL DIRECT COSTS	APPLICABLE INDIRECT COSTS
	GROUP DIRECTOR	TASK GROUP LEADERS	TASK ANALYSIS GROUP	SECRETARIAL		
	\$ 3,871.50	\$ 8,775.00	\$ 19,308.00	\$ 910.80	\$ 32,865.30	\$ 14,132.08
	<u>\$ 3,871.50</u>	<u>\$ 8,775.00</u>	<u>\$ 19,308.00</u>	<u>\$ 910.80</u>	<u>\$ 32,865.30</u>	<u>\$ 14,132.08</u>

ATTACHMENT TO REFERENCE 'D' TO OPTIONAL FORM 60 (SUBCONTRACT COSTS - UTAH STATE UNIVERSITY FOUNDATION)

ATTACHMENT 'E'

FRINGE BENEFIT SUMMARY

NOTE: ALL FRINGE BENEFIT COSTS ARE BASED UPON THE PERCENTAGE RELATIONSHIP BETWEEN WAGES AND SALARIES AND BENEFIT COSTS. FRINGE BENEFITS WITHIN THE UTAH STATE UNIVERSITY FOUNDATION ARE LIMITED, AND COVER PRIMARILY SOCIAL SECURITY AND UNEMPLOYMENT COSTS. THE PROJECTION FOR BENEFIT COSTS FOR CALENDAR YEARS 1977 AND 1978 IS PROJECTED AT EIGHT (8) PERCENT.

APPLICABLE TASK(SUB)	LABOR CLASSIFICATION				TOTAL DIRECT COSTS	APPLICABLE INDIRECT COSTS
	GROUP DIRECTOR	TASK GROUP LEADERS	TASK ANALYSTS GROUP	SECRETARIAL		
	\$ 3,871.50	\$ 8,775.00	\$ 19,308.00	\$ 910.80	\$ 32,865.30	\$ 2,629.22
	<u>\$ 3,871.50</u>	<u>\$ 8,775.00</u>	<u>\$ 19,308.00</u>	<u>\$ 910.80</u>	<u>\$ 32,865.30</u>	<u>\$ 2,629.22</u>

SUBCONTRACT COSTS (AUXILIARY SUPPORT ORGANIZATIONS)

TASK NUMBER: _____ TITLE: _____

APPLICABLE TASK (SUB)	WORK DESCRIPTION	COST CALCULATION	DOLLAR ESTIMATE
	<p>IT WILL BE NECESSARY IN ORDER TO OBTAIN THE MOST CURRENT AND ACCURATE INFORMATION TO EXTEND BEYOND THE CONFINES OF UTAH STATE UNIVERSITY INTO AUXILIARY ORGANIZATIONS. IT IS ANTICIPATED THAT THESE AUXILIARY ORGANIZATIONS WILL INCLUDE BUT NOT BE LIMITED TO LEGISLATIVE AND ADMINISTRATIVE (SUCH AS GOVERNMENT AGENCIES, POLICY BODIES, ETC.), CONSULTANTS (INDIVIDUAL SPECIALISTS IN ALL AREAS UTILIZED ON "AS NEEDED BASIS"), PUBLIC AND SPECIAL INTEREST GROUPS (VOLUNTARY GROUPS, BUSINESS GROUPS, AND OTHER REPUTABLE ORGANIZATIONS), AS WELL AS ERDA REGIONAL LABORATORIES (SPECIALISTS ASSIGNED TO SPECIFIC PROBLEM OR PROGRAM).</p>	<p>REFER TO ATTACHMENT</p>	<p>\$ 14,600.00</p>

NOTE: ALL TRAVEL ASSOCIATED WITH THESE CONSULTANT/SUBCONTRACTOR EFFORT HAS BEEN INCLUDED UNDER REFERENCE "C".

UTAH STATE UNIVERSITY
E-02-77-0346 (RFP)

CONSULTANTS (AUXILIARY SUPPORT ORGANIZATIONS)

THE ESTIMATE ASSOCIATED WITH AUXILIARY SUPPORT ORGANIZATIONS IS STRUCTURED ON A BEST ENGINEERING BASIS SINCE SPECIFIC PROBLEMS REQUIRE INDIVIDUALITY. SINCE SO MANY UNKNOWN EXIST REGARDING WHICH ORGANIZATION WILL BEST PROVIDE SOLUTIONS TO SPECIFIC PROBLEMS, THE ESTIMATE BELOW REPRESENTS A ROUGH ESTIMATE OF HOW AUXILIARY SUPPORT ORGANIZATIONS WILL BE UTILIZED.

ORGANIZATION	BASIS FOR ESTIMATE	TOTAL ESTIMATE
LEGISLATIVE AND ADMINISTRATIVE	<p>IT IS ANTICIPATED THAT OVER THE TWO YEARS OF THE PROGRAM, THAT APPROXIMATELY ONE AND ONE HALF MAN MONTHS (1½) WILL BE REQUIRED.</p> <p>IT IS ANTICIPATED THAT A FEE OF \$200.00 PER DAY WILL BE REQUIRED FOR THESE INDIVIDUALS. (\$200.00 PER DAY X 28 DAYS)</p>	\$ 5,600.00
CONSULTANTS	<p>IT IS ESTIMATED THAT THE UTAH STATE UNIVERSITY FOUNDATION WILL BE UTILIZED FOR A TWELVE (12) MAN MONTH DURATION. THE ESTIMATE FOR THIS EFFORT HAS BEEN IDENTIFIED AS REFERENCE "D", AND ASSOCIATED COSTS ARE IDENTIFIED THERE.</p> <p>OTHER SUBCONTRACT EFFORT HAS BEEN ESTIMATED AS A TWO MAN MONTH EFFORT, AND WILL INCLUDE INDIVIDUAL (NON-UNIVERSITY) SPECIALISTS IN ALL AREAS UTILIZED ON AN "AS NEEDED BASIS".</p> <p>IT IS ESTIMATED THAT A FEE OF \$200.00 WILL ALSO BE REQUIRED FOR THESE PROFESSIONALS. (\$200.00 PER DAY X 38 DAYS)</p>	7,600.00
PUBLIC AND SPECIAL INTEREST GROUPS	<p>THIS EFFORT IS ANTICIPATED TO REQUIRE ONE AND ONE HALF (1½) MAN MONTHS EFFORT, AND WILL CALL UPON THE SUPPORT OF VOLUNTARY AND BUSINESS GROUPS.</p> <p>IT IS ANTICIPATED THAT NO CONSULTING FEE WILL BE PAID TO THESE INDIVIDUALS, BUT A \$50.00 PER DAY HONORARIUM WILL BE PAID TO PARTICIPANTS. (\$50.00 PER DAY X 28 DAYS)</p>	1,400.00
ERDA REGIONAL LABORATORIES	<p>THIS EFFORT IS ANTICIPATED TO BE ABOUT A ONE MAN MONTH EFFORT, AND WILL CALL UPON THE SUPPORT OF SPECIALISTS ASSIGNED OR ENGAGED AS APPROPRIATE.</p> <p>NO PAY OR HONORARIUM IS ANTICIPATED TO BE PAID TO THESE INDIVIDUALS.</p>	
TOTAL AUXILIARY SUPPORT COSTS		\$ <u>14,600.00</u>

OTHER DIRECT COSTS

TASK NUMBER: _____ TITLE: _____

APPLICABLE SUBTASKS	DESCRIPTION OF MATERIAL COST, AND EXPLANATION OF METHOD OF COST CALCULATION	DOLLAR ESTIMATE
	<u>COMPUTER REQUIREMENTS</u>	
	IT IS ESTIMATED THAN THE COMPUTER FACILITY AT UTAH STATE UNIVERSITY WILL BE UTILIZED FOR THIS PROJECT. ANTICIPATED USAGE IS ESTIMATE AT \$10,000.00 OVER THE TWO YEARS DURATION OF THE PROGRAM.	\$ 10,000.00
	<u>FRINGE BENEFITS</u>	
	EMPLOYEE BENEFITS ARE PROJECTED TO BE TWENTY-THREE (23) PERCENT OF WAGES AND SALARIES FOR THE FISCAL PERIOD OF 1978 AND 1979. (\$145,837.95 DIRECT LABOR X 23% BENEFITS)	\$ 33,542.73
	<u>CONFERENCE EXPENSES</u>	
	BECAUSE OF THE NUMBER OF PARTICIPANTS IN THE VARIOUS ANALYSIS AND STUDY GROUPS, IT IS ANTICIPATED THAT VARIOUS EXPENSES WILL BE INCURRED AS A RESULT OF THESE CONFERENCE SESSIONS. AN ESTIMATE OF \$100.00 PER CONFERENCE HAS BEEN INCLUDED FOR EACH OF THE TWENTY-FOUR PROPOSED MEETINGS. THIS EXPENSE INCLUDES SUCH ITEMS AS RENTAL OF CONFERENCE ROOM (SALT LAKE CITY, UTAH), SNACKS FOR PARTICIPANTS, AND SIMILAR TYPE EXPENSES.	\$ 2,400.00
	TOTAL OTHER DIRECT COSTS	\$ <u>45,942.73</u>

BOOKLET OF
REPRESENTATIONS AND CERTIFICATIONS

Check or complete all applicable boxes and blanks.

1. SMALL BUSINESS

The contractor () is, (xx) is not, a small business concern.

2. TYPE OF BUSINESS ORGANIZATION

The contractor operates as () an individual, () a partnership, (xx) a nonprofit organization, () a corporation, incorporated under the laws of the State of _____ with principal place of business located at _____.

3. EQUAL EMPLOYMENT OPPORTUNITY

The contractor represents that it

(xx) has, () has not,

participated in a previous contract or subcontract subject to either the Equal Opportunity clause contained in Section 202 of Executive Order 11246, as amended by paragraph (3) of Executive Order 11375, the clause originally contained in Section 301 of Executive Order 10925 or the clause contained in Section 201 of Executive Order 11114; that it

(xx) has, () has not,

filed all compliance reports required to have been filed as of the date hereof; and that representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained prior to subcontract awards. (The above representation need not be submitted in connection with contracts or subcontracts which are exempt from the clause.)

4. AFFIRMATIVE ACTION COMPLIANCE PROGRAM

The contractor represents that it:

(xx) has developed and has on file

() has not developed and does not have on file

at each establishment affirmative action programs as required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2);

or

() has not previously had contracts subject to the written affirmative action program requirement of the rules and regulations of the Secretary of Labor.

5. CERTIFICATION OF NONSEGREGATED FACILITIES

In connection with the proposed above-referenced Modification, the undersigned prospective contractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. He certifies further that he will not maintain or provide for his employees any segregated facilities at any of his establishments, and that he will not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. He agrees that a breach of this certification is a violation of the Equal Opportunity clause in FPR 1-12.803-2 as included in said contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, or national origin, because of habit, local custom, or otherwise. He further agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause; that he will retain such certifications in his files; and that he will forward the following notice to such proposed subcontractors (except where the proposed subcontractors have submitted identical certifications for specific time periods):

NOTICE TO PROSPECTIVE SUBCONTRACTORS OF REQUIREMENT FOR CERTIFICATION OF NONSEGREGATED FACILITIES

A Certification of Nonsegregated Facilities must be submitted prior to the award of a subcontract exceeding \$10,000 which is not exempt from the provisions of the Equal Opportunity clause. The certification may be submitted either for each subcontract or for all subcontracts during a period (i.e., quarterly, semi-annually, or annually).

Note: The penalty for making false statements is prescribed in 18 U.S.C. 1001.

6. LABOR SURPLUS AREA CONCERN

The contractor

() is, () is not,

a labor surplus area concern. (For definition of "labor surplus area concern" see Code of Federal Regulations, Title 41, Subpart 1-1.8, section 01.)

7. MINORITY BUSINESS ENTERPRISES REPRESENTATION

The undersigned prospective contractor represents that he

is, is not,

a minority business enterprise. A minority business enterprise is defined as a "business, at least 50 percent of which is owned by minority group members or, in case of publicly owned businesses, at least 51 percent of the stock of which is owned by minority group members." For the purpose of this definition, minority group members are Negroes, Spanish-speaking American persons, American-Orientals, American-Indians, American-Eskimos, and American-Aleuts.

8. COST ACCOUNTING STANDARDS

If this proposal is expected to result in the award of a contract of \$500,000 or less and the offeror is otherwise eligible for an exemption, he shall indicate by checking the box below that the exemption to the Cost Accounting Standards clause (FPR 1-3.1204) under the provisions of 4 CFR 331.30(b)(8) (see FPR 103.1208(h)) is claimed. Where the contractor fails to check the box, he shall be given the opportunity to make an election in writing to the Contracting Officer prior to award. Failure to check the box below or make such an election shall mean that the offeror cannot claim the exemption to the Cost Accounting Standards clause or that the offeror elects to comply with such clause.

If you wish to claim an exemption from the application of the Cost Accounting Standards article in this proposed contract action, please check the following box:

Certificate of Exemption for Contracts of \$500,000 or Less

"The Contractor hereby claims an exemption from the Cost Accounting Standards article under the provisions of 4 CFR 331.30(b)(8) and certifies it has received notification of final acceptance of all deliverable items on (i) all prime contracts or subcontracts in excess of \$500,000 which contain the Cost Accounting Standards article, and (ii) all prime contracts or subcontracts of \$500,000 or less awarded after January 1, 1975, which contain the Cost Accounting Standards article. The Contractor further certifies it will immediately notify the Contracting Officer in writing in the event it is awarded any other contract or subcontract containing the Cost Accounting Standards article subsequent to the date of this certificate but prior to the date of any award resulting from this proposal."

9. DISCLOSURE STATEMENT--COST ACCOUNTING PRACTICES AND CERTIFICATION

Any contract in excess of \$100,000 resulting from this solicitation except (1) when the price negotiated is based on (a) established catalog or market prices of commercial items sold in substantial quantities to the general public, or (b) prices set by law or regulation, or (2) contracts which are otherwise exempt (see 4 CFR 331.30(b) and FPR §1-3.1203(a)(2)) shall be subject to the requirements of the Cost Accounting Standards Board. Any offeror submitting a proposal, which, if accepted, will result in a contract subject to the requirements of the Cost Accounting Standards Board must, as a condition of contracting, submit a Disclosure Statement as required by regulations of the Board. The Disclosure Statement must be submitted as a part of the offeror's proposal under this solicitation (see (I) below) unless (i) the offeror, together with all divisions, subsidiaries, and affiliates under common control, did not receive net awards exceeding the monetary exemption for disclosure as established by the Cost Accounting Standards Board (see (II) below); (ii) the offeror exceeded the monetary exemption in the Federal Fiscal Year immediately preceding the year in which this proposal was submitted but, in accordance with the regulations of the Cost Accounting Standards Board, is not yet required to submit a Disclosure Statement (see (III) below); (iii) the offeror has already submitted a Disclosure Statement disclosing the practices used in connection with the pricing of this proposal (see (IV) below); or (iv) post award submission has been authorized by the Contracting Officer. See 4 CFR 351.70 for submission of a copy of the Disclosure Statement to the Cost Accounting Standards Board.

Caution: A practice disclosed in a Disclosure Statement shall not, by virtue of such disclosure, be deemed to be a proper, approved, or agreed to practice for pricing proposals or accumulating and reporting contract performance cost data.

Check the appropriate box below:

I. CERTIFICATE OF CONCURRENT SUBMISSION OF DISCLOSURE STATEMENT(S)

The offeror hereby certifies that he has submitted, as a part of his proposal under this solicitation, copies of the Disclosure Statement(s) as follows: (i) original and one copy to the cognizant Contracting Officer; and (ii) one copy to the cognizant contract auditor.

Date of Disclosure Statement(s): _____

Name(s) and Address(es) of Cognizant Contracting Officer(s) were filed: _____

The offeror further certifies that practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the Disclosure Statement(s).

II. CERTIFICATE OF MONETARY EXEMPTION

The offeror hereby certifies that he, together with all divisions, subsidiaries and affiliates under common control did not receive net awards of negotiated national defense prime contracts totaling \$30 million or more during Federal Fiscal Year 1971; and did not receive net awards of negotiated national defense prime contracts subject to Cost Accounting Standards totaling more than \$10 million in any of the Federal Fiscal Years 1972, 1973, 1974, or 1975; and net awards of negotiated national defense prime contracts and subcontracts subject to Cost Accounting Standards totalling more than \$10 million in Federal Fiscal Year 1976, or in any subsequent Federal Fiscal Year preceding the year in which this proposal was submitted.

Caution: Offerors who submitted or who currently are obligated to submit a Disclosure Statement under the filing threshold established by the Cost Accounting Standards Board for a Federal Fiscal Year prior to the one immediately preceding the year in which this proposal was submitted may be eligible to claim this exemption if they have received notification of final acceptance of all deliverable items on all their prime contracts and subcontracts containing the Cost Accounting Standards clause.

III. CERTIFICATE OF INTERIM EXEMPTION

The offeror hereby certifies that (i) he first exceeded the monetary exemption for disclosure, as defined in (II) above, in the Federal Fiscal Year immediately preceding the year in which this proposal was submitted, and (ii) in accordance with the regulations of the Cost Accounting Standards Board (4 CFR 351.40(f)), he is not yet required to submit a Disclosure Statement. The offeror further certifies that if an award resulting from this proposal has not been made by March 31 of the current Federal Fiscal Year, he will immediately submit a revised certificate to the Contracting Officer, in the form specified under (I) above or (IV) below, as appropriate, to verify his submission of a completed Disclosure Statement.

Caution: Offerors may not claim this exemption if they are currently required to disclose because they exceeded monetary thresholds in Federal Fiscal Years prior to fiscal year 1976. Further, the exemption applies only in connection with proposals submitted prior to March 31 of the year immediately following the Federal Fiscal Year in which the monetary exemption was exceeded.

IV. CERTIFICATE OF PREVIOUSLY SUBMITTED DISCLOSURE STATEMENT(S)

The offeror hereby certifies that the Disclosure Statement(s) were filed as follows:

Date of Disclosure Statement(s): _____

Name(s) and Address(es) of Cognizant Contract Officer(s) were filed: _____

The offeror further certifies that practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the Disclosure Statement(s).

10. ADDITIONAL COST ACCOUNTING STANDARDS APPLICABLE TO EXISTING CONTRACTS - CERTIFICATION

(a) Cost Accounting Standards will be applicable and effective as promulgated by the Cost Accounting Standards Board to any award as provided in the Federal Procurement Regulations Subpart 1-3.12. If the offeror presently has contracts or subcontracts containing the Cost Accounting Standards clause, a new standard becomes applicable to such existing contracts prospectively when a new contract or subcontract containing such clause is awarded on or after the effective date of such new standard. Such new standard may require a change in the offeror's established cost accounting practices, whether or not disclosed. The offeror shall specify by an appropriate entry below, the effect on his cost accounting practice.

(b) The offeror hereby certifies that an award under this solicitation () would, (xx) would not, in accordance with paragraph (a)(3) of the Cost Accounting Standards clause require a change in his established cost accounting practices affecting existing contracts and subcontracts.

NOTE: If the offeror has checked "would" above, and is awarded the contemplated contract, he will also be required to comply with the clause entitled Administration of Cost Accounting Standards.

11. TECHNICAL DATA REQUIREMENTS

The Scope of Technical Work will set forth ERDA's known requirements of technical data. Further, the included "Technical Data Requirements" clause of Enclosure 3 provides the Government the option to order additional technical data, the requirement for which was not known at the time of contracting. There is, however, a built-in limitation on the kind of technical data which may be required under either of those provisions. This limitation is found in paragraph (e) of the included "Rights in Technical Data" clause. This paragraph (e) provides that the Contractor need not furnish proprietary data concerning an item or process which was developed at private expense.

In view of this, and to provide visibility, it is necessary that you state that the known requirements of technical data set forth have been reviewed, and further state either that, to the best of your knowledge, none of this data will be withheld, or list the data which will be withheld.

Please indicate that you have reviewed the requirements in the technical scope of work and to the best of your knowledge:

- (xx) None of the data will be withheld
 () Data will be withheld as follows:

DATA

12. CERTIFICATION OF INDEPENDENT PRICE DETERMINATION

- (a) The proposer certifies, and in the case of a joint proposal each party thereto certifies as to its own organization, that in connection with this procurement:
- (1) the prices proposed have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other proposer or with any competitor;
 - (2) unless otherwise required by law, the prices which have been quoted have not been knowingly disclosed by the proposer and will not knowingly be disclosed by the proposer prior to award directly or indirectly to any other proposer or to any competitor; and
 - (3) no attempt has been made or will be made by the proposer to induce any other person or firm to submit or not to submit a proposal for the purpose of restricting competition.
- (b) Each person signing this certification certifies that:
- (1) he is the person in the proposer's organization responsible within that organization for the decision as to the prices proposed and that he has not participated; and will not participate, in any action contrary to (a) (1) through (a) (3) above; or
 - (2) (i) He is not the person in the proposer's organization responsible within that organization for the decision as to the prices proposed and that he has been authorized in writing to act as agent for the persons responsible for such decision in certifying that such persons have not participated, and will not participate, in any action contrary to (a) (1) through (a) (3) above, and as their agent does hereby so certify; and (ii) he has not participated, and will not participate, in any action contrary to (a) (1) through (a) (3) above.

- (c) This certification is not applicable to a foreign proposer submitting a proposal for a contract which requires performance or delivery outside the United States, its possession, and Puerto Rico.
- (d) A proposal will not be considered for award where (a) (1), (a) (3), or (b) above has been deleted or modified. Where (a) (2) above has been deleted or modified, the proposal will not be considered for award unless the proposer furnishes with his proposal a signed statement which sets forth in detail the circumstances of the disclosure and the head of the Agency, or his designee, determines that such disclosure was not made for the purpose of restricting competition.

13. CONTINGENT FEE

(a) He () has, (xx) has not, employed or retained any company or person (other than a full-time, bona fide employee working solely for the proposer) to solicit or secure this contract, and (b) he () has, (xxx) has not, paid or agreed to pay any company or person (other than a full-time bona fide employee working solely for the proposer) any fee, commission, percentage or brokerage fee contingent upon or resulting from the award of this contract; and agrees to furnish information relating to (a) and (b) above, as requested by the Contracting Officer. (For interpretation of the presentation, including the term "bona fide employee," see Code of Federal Regulations, Title 41, Subpart 1-1.5.)

14. WAIVER REQUEST

The contractor is hereby notified that it has the opportunity to request, in advance of contracting, a waiver of all or any part of the rights of the United States with respect to inventions, in accordance with the policies and procedures set forth in regulation 41 CFR 9-9.109-6. (See Federal Register, Vol. 40, October 15, 1975, pp. 48363-48380.)

By signing below, the Contractor hereby certifies to all the foregoing representations and certifications.

Utah State University

(Name of Contractor)

BY:

M. K. Jeppesen

M. K. Jeppesen

TITLE: Director of Contracts and Grants

DATE: July 5, 1977

CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT CERTIFICATION

The undersigned prospective contractor certifies as follows:

- (a) Any facility to be utilized in the performance of the above-referenced Contract

() has,

(x) has not,

been listed on the Environmental Protection Agency List of Violating Facilities.

- (b) He will promptly notify the Contracting Officer, prior to award, of the receipt of any communication from the Director, Office of Federal Activities, U.S. Environmental Protection Agency, indicating that any facility which he proposes to use for the performance of the contract is under consideration to be listed on the EPA List of Violating Facilities.

- (c) He will include substantially this certification, including this paragraph (c), in every nonexempt subcontract.

Contractor: Utah State University

By: 

M. K. Jeppesen

Title: Director of Contracts and Grants

Date: July 5, 1977