

SCOMM

#44:28

Nancy Lee 274-3621

NAME Mailing Address Phone

ARLOW R. TUSSING 2720 RAINIER BANK TOWER SEATTLE 98101 907 278-4621 206 447-0321

* AK PIRB { JAMES LOVE Box 1093 Anch 99510 278-3661

* ERIC F. MYERS 4725 Kershner Ave 99503 273-2131

* Sed. - MARK BRUNZGARTNER 312 20810 F-bnx 99701 479 3622

SIM VAN DER RYAN Box F Thruway CA 94934 415-669-7155

Council on Science & Technology

* NEIL DAVIS Geophysical Institute Fair 99701 907-979-7010

* VIE FISCHER 221 EAST 7th Ave #204, ANCH 99501 272-2381

Rep. MARGARET BRANSON Box 740 Cooper Landing AK 99572 595-1265

* SKIP ROY 227 Eagle Anch AK 99501 279-2511

* BRUCE MELZER 327 EAGLE, ANCH AK 99501 279-2511

* ISEK - SCOTT HELD SMITH 707 A. St. Suite 205 Anch AK 278-4621

* BRADFORD TURNER 1822 CINDY LEE LN ALBUQUERQUE 87107 505-274-9293

* ROBERT E. CROW Urban Regional Planning Dept. 50601 ST. 416-595-5165 Ryerson Polytechnical Institute Toronto, Ont M4E 3A4

* Energy Probe CHRIS CONWAY % Energy Probe, 12 Madison Ave, Toronto, Ontario, Canada Probe: 416-978-7014

* RICH SAFERT SWR UNIV. OF ALASKA, FAIRBANKS Also: 416-595-5165 907 479-7987

* **Bob Roggensack** 452 5323

BIRNY BIRNBAUM 1505 10th AVE, SEATTLE, WA 98122 206 324 5005

Institute for Local Self-Reliance

DAVID MORRIS 1717 18th St NW Wash. DC 20009 202-232-4108

BRIAN ROGERS Box K College 907-456-2037

TOM MALONE P.O. Box 50 Juneau 99802 586-7405

DAVE STURDEWANT Dept. Envir. Cons. Pouch O, Juneau 99811 465-2636

* APA TERRY MCGAIRE 333 W. 4th Ave, Suite 31, Anch. 581-1523 277-7641

ABI DICKSON Box 107 Unalaska, AK 99685

DAVE DAULT 2844 E. 42nd Ave Anch. AK 99504 277-3727

FRITZ JOHNSON BOX 10024 OILKINIGHAM, AK. 99576

Mark Wiltow 5493 Sampson Dr. Grand, Ohio 44200

Jim Rhoads

Jim Rhoads 707 N. St. 99501 Suite 2

Joe L. Branson Suite F 276-5144

POWER ALTERNATIVES STUDY COMMITTEE
ALASKA HOUSE OF REPRESENTATIVES
POUCH V
JUNEAU, ALASKA 99811

Lusitna

JAY S. HAMMOND, Governor

ALASKA PUBLIC UTILITIES COMMISSION
DEPARTMENT OF COMMERCE AND ECONOMIC DEVELOPMENT

1100 MacKay Building
338 Denali Street
Anchorage, Alaska 99501

Phone (907) 276-6222

November 30, 1979

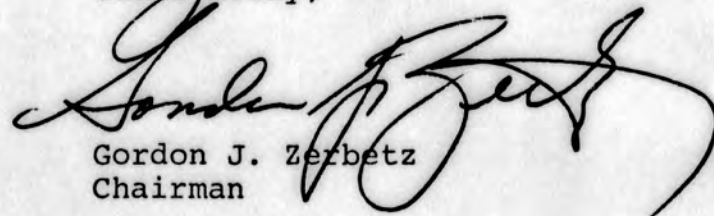
Oliver Scott Goldsmith
Assistant Professor of Economics
Institute of Social and Economic
Research
University of Alaska
707 A Street, Suite 206
Anchorage, Alaska 99501

Dear Mr. Goldsmith:

This is in response to your letter of November 21, 1979 in which you describe the study that you are conducting relative to the future electricity requirements in the railbelt area. The Alaska Public Utilities Commission will be happy to provide you with any information that we have. I would suggest that you visit the Commission offices and review the company files of the various electric utilities that we regulate, so that you could get an idea of the amount of material that is available. I would point out that we would not be a complete source of information on power generation in the railbelt area inasmuch as there are some facilities that are not under our jurisdiction. In addition to the files, there is a certain amount of information available from me and my colleagues from our experience in the field.

I wish you success in your project and will help in any way I can.

Yours truly,


Gordon J. Zerbetz
Chairman

cc: Representative
Brian Rogers
Mr. Eric Yould, AK. Power Authority



Alaska State Legislature

House of Representatives

c/o Rep. Hugh Malone
Pouch V
State Capitol
Juneau, Alaska 99811

Official Business

April 17, 1980

(465-3711)

Jay Goltz
Box 324
Soldotna, Alaska 99669

Dear Mr. Goltz:

Thank you for your note. I have enclosed a copy of Richard Seifert's report, as you requested. I must refer you elsewhere for answers to your other questions on building design and soil temperatures. My three recommendations for information:

Naki Stevens
Alternative Energy Library
1069 W. 6th Ave.
Anchorage 99501
274-3621

(for general reference)

National Center for Appropriate Technology
PO Box 3838
Butte, Montana 59701

(can provide good technical information, but their knowledge of Alaska conditions is limited)

Axel Carlson
Cooperative Extension Service
University of Alaska
Fairbanks 99701

(specialist in energy efficient northern building techniques)

If you have a design that is particularly innovative, you may want to consider applying for a grant from the "northern technology grants program," administered by the Alaska Council on Science and Technology. Grants can be made for up to \$5000. I have asked the Council to forward information to you. The federal Dept. of Energy funds an "appropriate technology small grants program" which could provide amounts up to \$50,000. Information about that program can be obtained from Steve Baden, Alaska Division of Energy and Power Development, 338 Denali St, Anchorage 99501 (276-0508).

I have also enclosed an application for the state loan program that was initiated with the northern technology program, just in case you're interested. Let me know if you have any questions.

Sincerely,

Mark Wittow

Mark Wittow, Power Alternatives Study Coordinator

Box 324
Soldotna
AK 99669
14 Apr. '80

Mr. Mark Witlow
State of Alaska
House Power Alternatives Study Committee
Capitol Building
Juneau, Alaska 99811

Mr. Witlow,

Recently I met Rich Seifert in Unalaska and we talked about solar design in new house construction. He advised me to read his paper: "Solar Energy - A Component of the Alaska Alternatives Energy Study", January thru March, 1980.

Please send me a copy so I can continue refining my own designs before I get to the construction stage.

If you can think of any other information available to help this design ~~process~~ I would appreciate it.

In particular I am interested in the temperature curves of the soil to depths of 8 ft. as I intend to earth-shelter some portion of my house.

Again thank^{you} for your help. I will be responsible for any costs involved.

Sincerely,

Jay Goltz

Jay Goltz

Science Teacher

Kenai Jr. H.S.

26 March, 1980

Mark Baumgartner
Star Route 20810
Fairbanks, AK 99701

Dear Brian:

I certainly enjoyed my trip to Juneau and appreciated your and Sherry's hospitality.

The Legislature is an exciting place. I was glad for the chance to participate and take it in.

I'm sending my receipts to you for reimbursement. As you can see the cost of the round-trip plane fare was \$278. Cab fare to town was \$11. I leave it to you to determine the amount of per diem.

Thanks, in advance, for taking care of this matter.

My regards to you and Sherry,

MAR 28 RECD

Mark

*Ask Mark to
arrange for payment*

*Dove
4/1*

ARLON R. TUSSING
2720 RAINIER BANK TOWER
SEATTLE, WASHINGTON 98101

TOM MALONE
ALASKA POWER ADMINISTRATION
P. O. BOX 50
JUNEAU, ALASKA 99802

SCOTT GOLDSMITH
ISER
707 A ST., SUITE 206
ANCHORAGE, AK 99501

JAMES LOVE
P. O. BOX 1093
ANCHORAGE, ALASKA 99510

DAVE STURDEVANT
DEPT. OF ENVIRON. CONSERV.
POUCH 0
JUNEAU, AK 99811

BRADFORD TUCK
1822 CINDYLEE LANE
ANCHORAGE, AK 99507

ERIC F. MYERS
4725 KERSHNER AVENUE
ANCHORAGE, AK 99503

ERIC YOULD
ALASKA POWER AUTHORITY
333 W. 4th AVE., SUITE 31
ANCHORAGE, AK 99501

ROBERT CROW
CHRIS CONWAY
c/o ENERGY PROBE
12 MADISON AVENUE
TORONTO, ONTARIO CANADA

MARK BAUMGARTNER
S.R. BOX 20810
FAIRBANKS, AK 99701

MARK WITTOW
5493 SAMPSON DRIVE
GIRARD, OHIO 44200

RICH SEIFERT
INSTITUTE OF WATER RESOURCES
UNIVERSITY OF ALASKA
FAIRBANKS, AK 99701

VIC FISCHER
221 EAST 7TH AVE., #204
ANCHORAGE, AK 99501

REP. HUGH MALONE
JIM RHODE
727 N. ST., SUITE 2
ANCHORAGE, AK 99501

REP. BRIAN ROGERS
610F GRUENING BLDG.
UNIVERSITY OF ALASKA
FAIRBANKS, ALASKA 99701

SKIP ROY
BRUCE MELZER
327 EAGLE
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MARK FRYER
1709 S. BRAGAW, SUITE F
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1709 S. BRAGAW, SUITE F
ANCHORAGE, AK 99504

House Power Alternatives Study Committee

Budget Breakdown

January 30, 1980

Total Budget -- \$200,000. Detailed information on each of these contracts is contained in the preceding status report.

Contractual:

Larry Katkin, Dynamic Research Corp. Geotechnical Analysis (report available)	\$1100.
University of Alaska Institute for Social and Economic Research. Power Market Demand Forecast (detailed work plan available)	30,000. + (30,000 from the APA)
Alaska Center for Policy Studies. Potential for Conservation and Renewable Energy Use (detailed work plan available)	68,500.
Gregg Erickson. Natural Gas Potential	20,000.
Arlon Tussing and Assoc. Policy, Management and Financing Issues	~~17,500.~~ 25,000
Energy Probe. Demand Analysis Review (preliminary report available)	10,000.
Brad Tuck. Demand Analysis Review	6,000.
Sim Van der Ryn. Study Design	2,000.
<u>Personal Services</u>	
Mark Wittow. Study Coordinator (at standard A.A. rate)	~~12,750~~ 2/14/80 ~~10,500.~~
<u>Travel + Misc.</u>	7,500. (reserved)

The uncommitted portion of the study funding will be used for work on coal potential and criteria for evaluation of costs and benefits.

graphics - \$500

185,850.00
total

31-92-1-208

WORKING BUDGET - F. Y. 1980
Legislative Affairs Agency
Power Alternatives

<u>Item</u>	<u>Amount</u>	<u>Budget</u>	<u>Expenditures</u>	<u>Encumbrances</u>	<u>Balance Available</u>	<u>%</u>
Personal Services		17,500	612		16,888	97
Travel		7,500	1,620		5,880	78
Contractual		175,000	32,540	142,585	(125)	-0-
Commodities			50		(50)	-0-
TOTAL - Component 09		200,000	34,822	142,585	22,593	11

Funding Source - General Fund

Chapter 76, SLA 79

\$200,000

12/31/79

House Power Alternatives Study Committee

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<u>Travel</u>	7,500. (reserved)

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Budget

Contracts:

Katkin	\$1,000.	(app)
ISER	30,000	(+ 30 from APA)
Erickson	20,000	
Tussig	5,000	
"	~~71,500~~ 12,500	(2 nd half?)
Center	68,500	
Tuck	6,000	
Anderson	2,000	
Energy Rate	10,000	
Wittan	~~10,500~~	

total

167,500

(175,000 originally allotted)

Travel & per diem

7,500

General Service

17,500

(for what)

(Wittan 10,500)

STATE OF ALASKA
THE LEGISLATURE
LEGISLATIVE AFFAIRS AGENCY

POUCH Y - STATE CAPITOL
JUNEAU, ALASKA 99811
907-465-3800

MEMORANDUM

TO : All persons preparing reports for the Alaska State Legislature
FROM : M. R. Charney, Executive Director *M.R.C.*
SUBJECT: Report format

We need to give more attention to the appearance of legislative reports. It has come to my attention that many reports submitted to the Legislative Affairs Agency for reproduction through our printing services are in such poor condition that they are nearly impossible to print. I would like to request that the following standards be followed on all reports submitted by consultants, contractors and legislative committees:

- use 8 1/2" x 11" white paper for all pages (if you desire colored paper for any pages in your report, these can be requested through our print shop; please do not give us originals on colored paper since they do not reproduce well)
- leave at least one inch margins on top, bottom and sides
- number pages consecutively (please number all pages)
- use carbon ribbon if at all possible and submit only clean, original typed material (one original copy is sufficient - we will reproduce it)

If these standards are followed by everyone, we can be assured of consistently professional appearance in our publications which will reflect well on the Legislature and the Agency.

⇒ CC: All Power Alternatives, Con Con, LTM consultants

HOUSE POWER ALTERNATIVES
STUDY COMMITTEE
610F GRUENING BUILDING
UNIVERSITY OF ALASKA
FAIRBANKS, ALASKA 99701

November 5, 1979

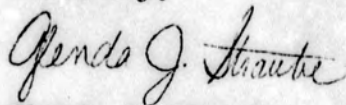
Pat Costello
Accounting
Legislative Affairs Agency
Pouch Y - State Capitol
Juneau, Alaska 99811

Dear Pat:

The following information is a breakdown of the budget for the
Power Alternatives Study Committee:

Personal Services	\$ 17,500
Travel & Per Diem	7,500
Contractual	<u>175,000</u>
	<u>\$200,000</u>

Sincerely,



Glenda J. Straube
Aide

Carrier's liability is limited per Item 3 on reverse side unless shipper requests additional declared value (subject to additional charge.)

AC 17 (REV. 8/79)

--	--	--	--	--

Dept Prog Dv Acct

--	--	--

Obj Cd

STATE OF ALASKA

NO. 210096

REQUEST FOR TRANSPORTATION

The POWER ALTERNATIVES COMMITTEE requests the
Department or Office requesting transportation and address

_____ company to furnish transportation

For AIR FREIGHT 2 BOXES From FAIRBANKS
Name of Traveler

To ANCHORAGE FAIRBANKS 1/7, 1980
Place and Date of Issue

Ticket No. 212 FAI 0 050 7474

Value \$ 20.79 (NO TAX PAYABLE)
Signature of Traveler Bus Rogers
Title of Traveler State Representative

Tourist class fare (See instruction No. 1 on reverse Side)

(To be inserted by carrier)

Carrier will forward this request to the Department or Office Requesting Transportation

02--019 (Rev. 9--74)

SEE INSTRUCTIONS ON REVERSE SIDE

(For Air Charter)

Hrs			Rate	

UNIFORM AIRBILL NON-NEGOTIABLE
Subject to Conditions of Contract on the Back of the Airbill

Carrier's liability is limited per Item 3 on reverse side unless shipper requests additional declared value (subject to additional charge.)

CARRIER 212		ORIGIN FAI		SERIAL NUMBER 0 050 7474		DATE MO 01 DAY 07 YR 80		DECLARED VALUE ND		TC		CHGS PX		FLIGHT/DATE		FLIGHT/DATE		CUBIC INCHES			
ROUTING AIRLINE ROUTING APPLIES UNLESS SHIPPER INSERTS SPECIFIC ROUTING HERE										AIRPORT OF DESTINATION SEA											
1/ TO AK VIA WC TO JU VIA TO VIA ☒ PREPAID ☐ COLLECT										Wien AIR ALASKA WIEN AIR ALASKA INC. 4100 INTERNATIONAL AIRPORT ROAD ANCHORAGE, ALASKA 99502 TELEX: 090-25-317											
2/ CONSIGNEE'S ACCOUNT NO.										↓ CONSIGNEE ↓ FORM OF PAYMENT: ☐ CASH ☐ CHECK CODE NUMBER PICK-UP TRUCKER DELIVERY TRUCKER											
NAME PAUL MITCHELL POWER ALTERNATIVES COMM. STREET ADDRESS C/O REP. BRIAN ROGERS POUCH V CITY / STATE / ZIP CODE JUNEAU, ALASKA 99801										A. WEIGHT CHARGES B. PICK-UP CHGS C. DELIVERY CHGS D. EXCESS VALUE E. SHIPPER'S C.O.D. F. C.O.D. FEE G. ORIG. ADV. CHGS H. DEST. ADV. CHGS I. OTHER CHARGES J. SHIPPER'S R.F.C. K. TAX L. TOTAL SHIPPER PAYS M. TOTAL CONSIGNEE PAYS											
4/ SHIPPER'S ACCOUNT NO. 55-015 NAME STATE OF ALASKA LEGISLATIVE AFFAIRS AGENCY STREET ADDRESS 101 COLLEGE ROAD CITY / STATE / ZIP CODE FAIRBANKS, ALASKA 99701										TO EXPEDITE MOVEMENT, SHIPMENT MAY BE DIVERTED TO MOTOR OR OTHER CARRIER AS PER TARIFF RULE UNLESS SHIPPER GIVES OTHER INSTRUCTIONS HEREON. RECEIVED BY CARRIER AT ☐ SHIPPER'S DOOR ☐ CITY TERMINAL ☒ AIRPORT TERMINAL DESCRIPTION OF ORIGIN ADVANCE CHARGES DESCRIPTION OF DESTINATION ADVANCE CHARGES DESCRIPTION OF OTHER CHARGES PCS/PKGS LENGTH WIDTH DEPTH CUBIC INCHES DIMENSIONAL WEIGHT - LBS. TARIFF AUTHORITY ITEMS PREPAID GBL/GTR NO. STR 210096 ITEMS COLLECT											
3/ INSTRUCTIONS TO CARRIER: INCLUDE CUSTOMER REF. NO. & BILLING INSTRUCTIONS NOTIFY ON ARRIVAL PHONE 465-4925										5/ 6/											
C.O.D. SHIPMENT IF AMOUNT ENTERED HERE BY SHIPPER R.F.C. SHIPMENT IF AMOUNT ENTERED HERE BY SHIPPER																					
SHIPPER'S SIGNATURE X <i>John Harty</i>																					
NO. PCS 2		GROSS WEIGHT 60		CHARGEABLE WEIGHT 60		DESCRIPTION OF PACKING PIECES AND CONTENTS CTNS PRINTED MATTER						CARRIER COMMODITY GROUP NO. GEN		MULTIPLE CONTAINER/COMMODITY CODE RATE CHARGE							
7/																					
8/ A. WEIGHT CHARGES 19.80										B. PICK-UP ZONE XX		C. PICK-UP CHARGES		D. DEL. ZONE XX		E. DELIVERY CHARGES		F. ORIG. ADV. CHGS		G. DESCRIPTION OF ORIGIN ADVANCE CHARGES	
D. EXCESS VALUE		L. DEST. ADV. CHGS		F. DESCRIPTION OF DESTINATION ADVANCE CHARGES						F. OTHER CHARGES		G. DESCRIPTION OF OTHER CHARGES									
I. TAX .99		G. SHIPPER'S C.O.D.		H. C.O.D. FEE		J. SHIPPER'S R.F.C.		1ST RATE .33		2ND RATE		3RD RATE									
R. SHIPPER PAYS \$ 20.79		ITEM PREPAID ALL		S. CONSIGNEE PAYS		ITEMS COLLECT		RECEIVED BY <i>John Harty</i>													
FLIGHT/DATE										TO		AGT. INITIALS		IN GOOD ORDER EXCEPT AS NOTED ON THE BACK HEREOF							
EXECUTED AT BY FAI/ACC/DONS										DATE 07 JAN 80		TIME 1435		CARRIER 212		ORIGIN FAI		SERIAL NUMBER 0 050 7474			

ALASKA CENTER FOR POLICY STUDIES

204 E. 5TH AVE., SUITE #201, ANCHORAGE, AK 99501 (907) 272-6113

December 21, 1979

Rep. Brian Rogers
Energy Alternatives Committee
Legislative Affairs Agency
Pouch Y, State Capitol
Juneau, Alaska 99811

Dear Rep. Rogers:

Please consider this our billing for December under the contract with your committee. Good progress is being made on all components of the energy study.

This billing is for \$12,000 due the Center under Clause VI (C) for services under Clause I(C).

We appreciate your prompt attention.

Sincerely,



Alaska Center for Policy Studies by
Victor Fischer, Principal Investigator

OK to Pay
Brian Rogers

Sim Van der Ryn • Architect

November 14, 1979

House Power Alternatives Study Committee
610F Gruening Building
University of Alaska
Fairbanks, Alaska 99701

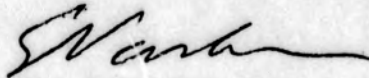
Attn: Glenda J. Straube

In Re: Professional consulting services for the
Alaska State Legislature's House Power Alternatives
Study Committee.

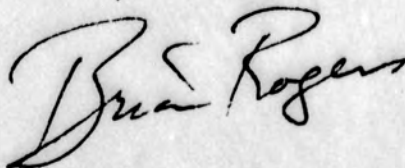
INVOICE

3 days consulting @ \$500.	\$1500.
2 days per diem @ \$55.	110.
Airfare SF/Anchorage & return	380.70

TOTAL DUE: \$1998.70


Make check payable to: Sim Van der Ryn
Drawer F
Inverness, Calif. 94937
IRS Identification
Number 94-2557289

OK to pay



Sally Kabisch
Sierra Club
545 E 4th Ave #5
99501

Thessig's
General

244.0

547.35
302.18

245.17

44.17
86.01
192.

302.18

15
7 1.01

31-92-1-208

WORKING BUDGET - F. Y. 1980
Legislative Affairs Agency
Power Alternatives

<u>Item</u>	<u>Amount</u>	<u>Budget</u>	<u>Expenditures</u>	<u>Encumbrances</u>	<u>Balance Available</u>	<u>%</u>
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Commodities			50		(50)	-0-
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Funding Source - General Fund

Chapter 76, SLA 79

\$200,000

V3109211	111279	WESTERN AIRLINES I	361	31921208	211	207595	04		226.25
V3109367	120379	SUNSHINE TRAVEL IN	361	31921208	247	215707	19		132.00
FW380309	112879	BRIAN ROGERS	362	31921208	248		14		165.00
AV008151		OCTOBER POSTAGE	362	31921208	314		21		10.30
AV008153		NOVEMBER POSTAGE	362	31921208	314		21		15.00
CC310318		GREGG ERICKSON GKE 834	250	31921208	389		13	14,000.00	
CC310319		BRADFORD TUCK	250	31921208	389		13	6,000.00	
CC310325		AIRLIN TUNING ART 525	250	31921208	389		21	5,000.00	
V3109279	111479	SIM VANDER RYN	371	31921208	389	207598	04	1,998.70-	1,998.70
V3109284	111679	AK CTR FOR POLICY	371	31921208	389	207602	04	15,500.00-	15,500.00
FW380357	112979	BRIAN ROGERS	362	31921208	481		26		50.00

(12)



DYNAMIC RESEARCH CORPORATION

THE ALASKAN THINK TANK

DATA GATHERING • ANALYSIS • RESEARCH • IDEAS
S. R. BOX 10612 - FAIRBANKS, ALASKA 99701 - PHONE (907) 479-8107

Susitna

December 12, 1979

Dear Representative Rogers:

Enclosed is a summary of hours and expenses used to evaluate the geotechnical portions of the three Susitna dam proposals, and for a trip to Anchorage to obtain necessary reports from the Corps of Engineers.

<u>CODE</u>	<u>DATE</u>	<u>HOURS</u>	<u>ITEM</u>	<u>AMOUNT</u>
SL-2-01	10/29/79	2	Memo to Brian Rogers	\$ 30.00
SL-2-02	11/23/79	3	Review and formulation of questions	45.00
SL-2-03	11/30/79	4	Met with Corps in Anch.	60.00
SL-2-04	12/6/79	2	Writing final report	30.00
SL-2-05	12/8/79	4	Writing final report	60.00
SL-2-06	12/10/79	2.5	Writing final report	37.50
SL-2-07	12/10/79	2	Writing final report	30.00
SL-2-08	12/10/79	7	Writing final report	<u>105.00</u>
			SUBTOTAL	\$397.50

EXPENSES

Round trip fare Anchorage- Fairbanks	\$130.00
Car rental	27.00
Purchase of Corps of Engineer reports	<u>4.00</u>
SUBTOTAL	\$161.60
TOTAL	\$559.10

Note: There are copies of time slips and receipts for expenses that will be furnished upon request.

LK:jg

OK to pay
Brian Rogers

ALASKA CENTER FOR POLICY STUDIES

204 E. 5TH AVE., SUITE #201, ANCHORAGE, AK 99501 (907) 272-6113

November 16, 1979

Rep. Brian Rogers
Power Alternatives Comm.
Legislative Affairs Agency
Pouch Y, State Capitol
Juneau, Alaska 99811

Dear Rep. Rogers:

Please consider this as our November billing under the contract with your committee. Phase II of the study is underway.

This billing is for \$15,500 due the Center under Clause VI(C) for services under Clause I(C).

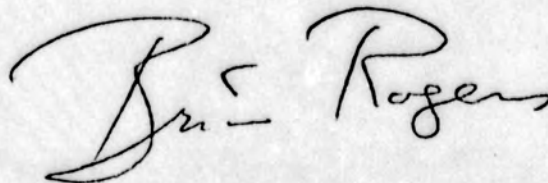
We appreciate your prompt attention.

Sincerely,



Alaska Center for Policy Studies
Victor Fischer, Principal Investigator

OK to pay on December 1, 1979



Chair, House Power Alternatives

Draft - Not yet
Agreed to by
legislature

Tentative Budget and Outline -- Susitna Alternatives Study

+ (at least 20,000 from APA)
40,000. Demand Update--ISER.

The Institute would develop updated economic activity and population projections, which would then be used to develop projected electric demand to the year 2010. The initial report would be completed by January 1980. The final report will incorporate a set of results from the conservation and renewable energy sources study, below.

60,000. Conservation and Renewable Energy Resources--Center for Policy Studies
(with a number of subcontracts)

This section will address the potential energy savings available from conservation and the use of renewable energy sources such as solar space heating, etc. After determining the potential for savings, a plan for achieving those savings in the Railbelt area will be developed, and a set of varying ~~possibilities~~ possibilities for energy ~~savings~~ efficiencies will be worked out for use in the second half of the demand study.

10,000. Downstream Environmental and Social Effects--AEIDC

The Center will produce a short paper describing particular environmental and social impacts that the dam might have, and suggesting that these impacts be included in the studies leading to dam construction.

10,000. Vulnerability to System Failure--engineer to be determined

This section would discuss the possibility of the transmission intertie being wiped out.

exp 5,000. Critiques of Demand Projections--Brad Tuck, Energy Probe (?)

Short papers pointing out problems with the preliminary demand projections. Tuck's work would focus on the economic activity projections, while Energy Probe would address end use scenarios.

7 10,000. Criteria for evaluation of the Supply Alternatives

Two or three economists would provide papers reviewing existing material and describing what questions and problems an adequate study of the supply alternatives should cover.

20,000. Preliminary Study of Natural Gas as a Supply Alternative--G. Erickson (?)

Would review the Cook Inlet situation, and discuss the possible use of gas from the North Slope.

7 10,000. Preliminary Study of Coal as an Alternative Source of Supply

Would review existing studies, summarize potential for Beluga and Healy fields.

5,000. Misc. Consultants

Includes geotechnical review, possible seismic work.

15,000.--Coordinator (A.A.)

Would operate under the ^{direction} ~~advise~~ of the project co-directors, keeping ^{Chairman} ~~in~~ on the various sections of the study, coordinating the efforts of the various consultants, ensuring that all studies are covering material ~~from~~ with common assumptions, etc.

5,000.--Misc. Expenses and Travel

This plan of study represents a policy determination to work with the APA Susitna study and attempt to provide guidance and questions for their consultants to address, as opposed to producing a separate, independent analysis of the same material. Such an analysis could be undertaken in late 1980 based on the APA work, with a greater degree of efficiency, if necessary.

The study will be coordinated with ongoing legislative work in related areas, particularly the Special Committee on Renewable Energy, the Gas Line Committee, & the House Resources Committee work on coal.

A draft report will be presented to the legislature in April 1980.

Draft - Not ~~yet~~
Agreed to by
legislature

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? additional \$:

' Small-scale Hydro

Financing possibility

Statement of Expenses

Energy Probe,
43 Queen's Park Crescent East,
Toronto, Ontario,
M5S 2C3.

To:

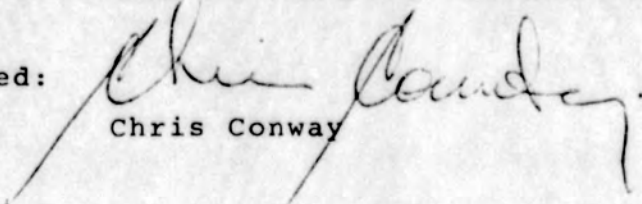
Representative Brian Rogers,
Co-Chairman,
House Power Alternatives Study Committee,
Alaska State Legislature,
Pouch V,
Juneau, Alaska,
99811.

Work Performed in Part (A) and (B) of contract:

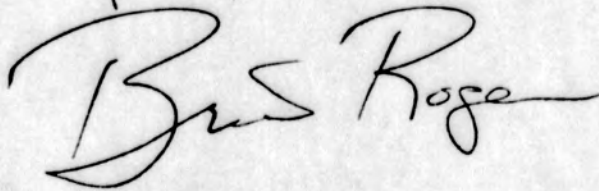
\$4,000 (US)

Detailed expenses and receipts available on request

Signed/Authorized:

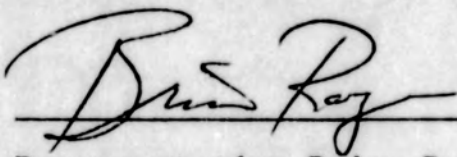

Chris Conway

OK to pay

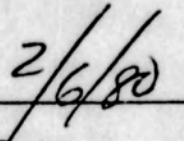


To: Legislative Affairs
From: Representative Rogers

I authorize the issuance of a warrant to "Hold That Line," for up to \$30., for the purposes of purchasing a subscription and other publications from that organization. Mark Wittow is authorized to handle the check.



Representative Brian Rogers



Date

Co-Chariman, House POver Alternatives Study Committee

ARLON R. TUSSING & ASSOCIATES / 2720 Rainier Bank Tower / Seattle, Washington 98101 / (206) 447-0321

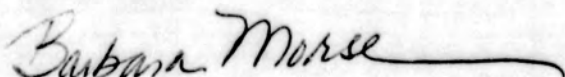
May 23, 1980

Mr. Mark Wittow, Coordinator
House Power Alternatives Study Committee
Alaska State Capitol Building
Room 411
Juneau, Alaska 99801

Dear Mark:

Enclosed is a mailing list for your use in distributing the Electric Power Supply Planning paper. We may have some further additions in the future, but for now, this is it. Thank you for your assistance.

Sincerely,

A handwritten signature in cursive script that reads "Barbara Morse". The signature is written in dark ink and has a long, sweeping horizontal line extending to the right.

Barbara F. Morse

ALASKA
STATE LEGISLATURE
MEMORANDUM

Arlon Tussing asked that I send a copy of the enclosed report to you. I would appreciate receiving a copy of any comments you have on the report, at the following

address: House Research Agency
Pouch Y
Juneau, Alaska 99811
att: Susan Brody, Susitna Oversight



Mark Wittow, Power Alternatives Study Coordinator