

ALASKA LEGISLATURE SPECIAL COMMITTEE / SUBJECT FILES 86/2
985 SCOMM44: HOUSE POWER ALTERNATIVES STUDY COMM. 1979-80

✓ Suggested year subscription to Hold That Line

PRICE LIST OF ITEMS AVAILABLE FROM GASP

\$5

BUMPERSTICKERS - 75¢

NO POWERLINE - white on deep blue

② DECENTRALIZE ENERGY - red on white

① FARMLAND FOR FOOD - picturing crossed out tower, red or blue on white

UNSAFE-UGLY - picturing cobweb of powerlines, blue on white, or red on white

BUTTONS

① IF YOU KILL OUR FARMS YOUR CITIES WILL DIE - picturing crossed-out tower, red on white - \$1

③ QUESTION AUTHORITY - white on blue - 50¢

① USE ALTERNATIVE ENERGY - red lettering on yellow, picture of hand reaching up to sun with mountains in background outlined in brown - 50¢

↑ personal check \$5.25

State of Alaska check ↓

RECORDS

POPE COUNTY BLUES - by Larry Long - \$1

(I) LITERATURE - ISSUES, BACKGROUND ON STRUGGLE

② THE POWERLINE WILL AFFECT YOU - a summary of issues on cost, need, health and history - 75¢

MAPP & THE CU PROJECT - the scoop on the Mid-Continental Area Power Pool and why it affects the need for this line and others - 50¢

① POWERGATE - covers the legal cover-ups in the history of the powerline - 50¢

③ POWERLINE! - our newest piece, focuses on mismanagement/rate hikes as well as health and safety - 75¢

(II) LITERATURE - DOCUMENTS & PUBLICATIONS DONE BY OTHERS

① CONFRONTATION ON THE PRAIRIE - a reprint article from the Progressive, Jan. 1977, giving an overview of early history of the powerline controversy - 25¢

① NORTH AMERICAN COAL CAPER - a transcript of a speech given by the head of North American Coal Co. to EPA/DOE, clearly exposing the national behind energy exploitation - 25¢

NOTES ON UPA OR CPA FROM THE REA FILES IN WASHINGTON D.C. - many interesting tidbits on either co-op from the folks who finance them - \$2 each

EXCERPTS FROM THE BARRY REPORT - an independent firm citing mismanagement - \$2

(III) LITERATURE - HEALTH & SAFETY

ELECTROMAGNETIC POLLUTION - by Becker & Marino, a summary of health hazards - 25¢

THE KILLER ELECTRIC - by Ponte, an overview of a number of pollutants the government is well aware of and endorses - 50¢

EFFECTS OF EHV LINES ON CATTLE REPRODUCTION - written by a farmer in Wisconsin the effects of a 345kV line on his cattle - 50¢

ELECTRICAL WIRING CONFIGURATIONS & CHILDHOOD CANCER - a study done in the Denver area - \$2

EFFECTS OF COAL PLANTS - we have 4 different publications on this issue, each of medium length, they are 50¢ a piece

EFFECTS OF EXTREMELY HIGH VOLTAGE TRANSMISSION - by Louise B. Young, submitted to the EPA - \$1

ENVIRONMENTAL PROBLEMS IN EXTRA HIGH VOLTAGE TRANSMISSION - also by Louise B. Young, an overview - 75¢

BECKER BEFORE THE N.Y. PSC - testimony on ill health effects of high voltage lines - \$2

ELECTROMAGNETIC FIELDS & LIFE - by A.S. Presman, a reprint of the lengthy introduction to his book of the same name - \$1.50

(IV) LITERATURE - INDUSTRY VERSIONS OF HEALTH EFFECTS

BIOLOGICAL EFFECTS OF STATIC & LOW-FREQUENCY ELECTROMAGNETIC FIELDS - by the Electric Power Research Institute - \$2

EPRI'S RESEARCH PROGRAM ON BIOLOGICAL EFFECTS OF ELECTRIC FIELDS - by Kronberg - 75¢

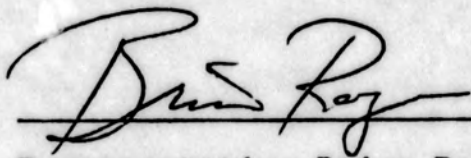
STUDY IN THE USSR OF MEDICAL EFFECTS OF ELECTRIC FIELDS ON ELECTRIC POWER SYSTEMS - a commentary by America's Power & Environmental Sciences Committee on russian studies regarding health - \$2

\$23.25 + 1 year subscription and 1 newsletter - see attached note.

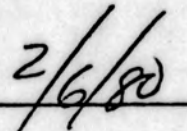
*****Send all orders to Hold That Line - Box 5, Lowry, Mn 56349. Please add on 15% for packet orders & appropriate postage for those only requiring on envelope. Bulk rates are available upon request. Thank you!

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



UNIVERSITY OF ALASKA
Institute of Social and Economic Research
707 "A" St., Suite 206
Anchorage, Alaska 99501
Phone (907) 278-4621

February 5, 1980

FEB 8 REC'D

*Mark should
attend for
Hugh + I*

Representative Brian Rogers
House Power Alternatives Study Committee
Pouch V
Juneau, Alaska 99811

Dear Representative Rogers:

As you are aware, the state is actively involved in studying the feasibility of electric power production for the railbelt from hydro-electric facilities on the Susitna River.

In conjunction with these studies, the Institute has been asked by the State Legislature and the Alaska Power Authority to develop projections of electricity demand for the railbelt through the year 2005. The Man-in-the-Arctic Program (MAP) econometric model will be used in this study to provide projections of the relevant economic variables for analysis of electricity demand.

As with any technique which attempts to look into the future of the Alaskan economy, we find it necessary to make estimates of the types and timing of large resource development projects which will be impacting the state economy as well as state government spending policies with respect to the growing oil revenue surplus. Assumptions concerning these factors will largely determine the pattern of economic growth for the state over the next twenty-five years.

You are invited to attend a meeting of economists familiar with potential Alaskan development projects and state spending policies at the Institute's Anchorage office on Friday, February 15, at 9:00 a.m. At the meeting, I will be presenting the economic and fiscal assumptions that have been developed by the Institute economists for projecting the Alaskan economy over the next twenty-five years. The purpose of the meeting is to produce a check on these assumptions based upon the knowledge and experience of the economists in attendance.

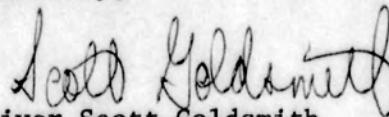
UNIVERSITY OF ALASKA

Representative Brian Rogers
February 5, 1980
Page Two

I think you will find this meeting interesting from a methodological point of view because the desired output of the meeting is a set of probability distributions for the critical scenario variables--resource development employment and state spending. I hope that it will be possible to integrate your estimates of the probability of future events with those of other economists through a technique known as probability encoding. Basically, we will try to form a consensus on the shape of the probability distribution for critical scenario variables using a simple Delphi technique.

I anticipate a very interesting session and urge you to attend. If you have any questions, please call me at 278-4621.

Sincerely,



Oliver Scott Goldsmith
Assistant Professor
of Economics

OSG/ds

P.S. Distribution list
enclosed.

Mr. Ed Phillips
Alaska Division of Minerals
and Energy Management
703 West Northern Lights Blvd.
Anchorage, Alaska 99503

Mr. Brad Tuck
School of Business and
Public Administration
University of Alaska
3221 Providence Drive
Anchorage, Alaska 99504

Mr. David Knudsen
Alaska Department of Revenue
Petroleum Revenue Division
201 East 9th Avenue
Anchorage, Alaska 99501

Mr. Robert Mohn
Alaska Power Authority
333 West Fourth Avenue
Anchorage, Alaska 99501

Mr. David Reaume
Alaska Department of Commerce
and Economic Development
Division of Economic Enterprise
Pouch EE
Juneau, Alaska 99811

Mr. Robert Richards
Alaska Pacific Bank
P. O. Box 420
Anchorage, Alaska 99510

Ms. Clarissa Quinlan
Department of Commerce and
Economic Development
Division of Energy & Power Development
338 Denali Street
Anchorage, Alaska 99501

Mr. Tom Singer
Dept. of Policy Development & Planning
Office of the Governor
Pouch AD
Juneau, Alaska 99811

Barbara Withers
Municipality of Anchorage
3000 Columbia
Anchorage, Alaska 99504

Representative Brian Rogers
House Power Alternatives Study Committee
Pouch V
Juneau, Alaska 99811

Representative Hugh Malone
State of Alaska
Pouch V
Juneau, Alaska 99811

Mr. Gregg Erickson
316 Coleman Drive
Juneau, Alaska 99801

Lynn Pistoll
Department of Labor
P. O. Box 1149
Juneau, Alaska 99811

Vincent Wright
Department of Revenue
Pouch SA
Juneau, Alaska 99811

Mr. Clyde Topping
Bureau of Land Management
Outer Continental Shelf Office
P. O. Box 1159
Anchorage, Alaska 99510

P. J. Hill
University of Alaska
3221 Providence Drive
Anchorage, Alaska 99504

Mr. Cal Dauel
Department of Labor
619 Warehouse Avenue, Suite 209
Anchorage, Alaska 99501

Robert J. Cross
Alaska Power Administration
P. O. Box 50
Juneau, Alaska 99802



Alaska State Legislature

House of Representatives

Representative Malone

Pouch V

State Capitol

Juneau, Alaska 99811

Official Business

February 19, 1980

David Reume
Principle Economist
Dept. of Commerce and Economic Development
Pouch EE -- Mailstop 0800
Juneau, Alaska 99811

Dear David:

On Friday, February 15, I attended the ISER workshop on population and economic growth projections to the year 2000. You received a note from Scott Goldsmith extending an invitation and explaining the workshop; I have also attached Scott's outline of the agenda from the meeting.

After explaining various methods of forecasting and the workings of the MAP model, Scott asked the group of economists gathered at the meeting to assign a range of probabilities to forecasts for population growth, exogenous employment and state spending per capita. The base figures (1980) were 400,000 population, 7,000 exogenous employment, and \$1200 state expenditures per capita. I assume the 1200 figure is expressed in 1967 dollars, since that's the only way it makes sense.

Since you, perhaps more than anyone else outside ISER, have thought about these projections in detail, we would appreciate your responding in writing to Scott's request. A quick rough sketch of your reasoning would be useful to us as well as ISER.

Please let me know if you have further questions, or if we can assist you in any way. Thank you for your time.

Sincerely,

A handwritten signature in cursive script that reads "Mark Wittow".

Mark Wittow
Study Coordinator
House Power Alternatives Committee

cc: Scott Goldsmith, ISER

ALASKA FEDERATION FOR COMMUNITY SELF RELIANCE

Post Office Box 73488 • Fairbanks, Alaska 99707 • (907) 456-7674

103 Arctic Bowl Building • 946 Cowles Street

FEB 7 1980
REC'D

Brian Rogers & Mark Wittow
House Power Alternatives Study
Alaska State Legislature
Pouch V
Juneau, Alaska 99811

February 4, 1980

Gentlemen:

Here's an update on our work for the committee.

Scott Goldsmith called today to say that it will be another week at least before he has southern railbelt data in useful form. In the meantime Charlie Backus is refining our rough draft. Once ISER's data arrives he will set to work on overall railbelt end uses. The delay is an inconvenience to us, as it means that Charlie is on hold until the data necessary to complete the final report is here. No doubt Scott is doing the best he can. We would appreciate it if you can keep an eye on the situation and offer encouragement to Scott to complete the work.

Sam and I are gathering sources, compiling information and even writing some on the conservation section. You'll receive it around the middle of the month. If you have any thoughts about what you would like to see in this section now is a good time to tell us. If we don't hear from you soon we'll look forward to hearing your comments on the rough draft.

For your information -- Charlie, Sam and I have rented office space in the Professional Building downtown. The address is 529 6th Avenue. Correspondence should have Charlie's name visible on the envelope. Phone number is 456-3186.

A personal note - Brian, I appreciate your (and other House members) efforts and vote to place \$900 million in the Permanent Fund. A good move, I believe, for our future.

Sincerely,

Mark

Mark Baumgartner

cc: Mark



UNIVERSITY OF ALASKA
FAIRBANKS, ALASKA 99701

INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH

January 29, 1980

Mr. Brian Rogers
Legislative Finance Committee
6th Floor Gruening
Campus

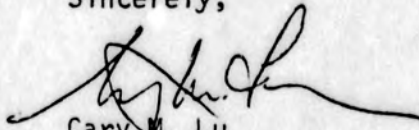
Reference: Contract between ISER and the House Power Alternatives
Study Committee dated 11/2/79

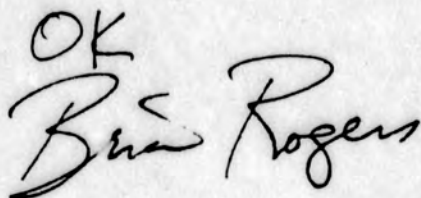
Dear Mr. Rogers:

We are submitting this letter requesting your approval to issue a subcontract to Battelle, Pacific Northwest Laboratories, Richland, Washington in the amount of \$9,750.00 from the above referenced contract.

The subcontract was not anticipated and included in our original proposal, because we did not anticipate Dr. Mike Scott's departure from our Institute to join Battelle. Dr. Scott left the Institute before he had the chance to complete his assignment. The proposed subcontract would permit Dr. Scott to complete the assignment. Dr. Scott's specific assignment is to investigate the allocation of state-wide economic activity from MAP (Man in the Arctic) econometric model outputs.

Sincerely,


Cary M. Lu
Executive Officer

OK


CML/lc

cc: Grants & Contracts

February 1

Dear Mark,

Yours is the first letter we've received from Alaska. We've often wondered how the massive energy development in your state compares with the rest of the national scene we're in touch with, glad you dropped us a line.

I have enclosed a price list we make available which should aid you in figuring out what you want for your situation. Also, I have enclosed a few back issues of Hold That Line and placed you on our mailing list. Get in touch if we can be of any more assistance and when you decide what we have which can be of use to you.

Sincerely -

DEBRAH TICK-GASP



HOLD THAT LINE
LOWRY TOWN HALL
LOWRY, MN. 56349

Mark Wittow -
c/o Rep. Malone



POUCH V
JUNEAU, ALASKA 99811
OFFICIAL BUSINESS

House Power Alternatives Study Committee

Alaska State Legislature

Brad Tuck
1822 Cindylee Lane
Anchorage, Alaska 99507

Dear Brad:

We have no problem with your request to hand in your interim report three weeks later than you expected. I'll look for it during the week of February 11. ISER is also a bit behind schedule on their report.

I mailed you a copy of the Energy Probe preliminary assessment of the ISER demand forecast model. Let me know if you failed to receive it. Also be sure to contact me if you have any questions you wish to raise with the committee before you complete work on your draft report.

Sincerely,

A handwritten signature in cursive script, reading "Mark Wittow".

Mark Wittow
Study Coordinator
465-3711/3799

c/o Representative Malone
Alaska Legislature
Pouch V
Juneau, Alaska 99811
January 20, 1980

George Crocker
c/o Hold that Line
Lowry, Minnesota

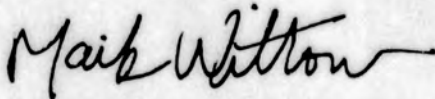
Dear Mr. Crocker:

I work with the Alaska Legislature as a research aide on energy issues. The state is currently contemplating construction of a huge hydroelectric project (on the Susitna River). Almost a thousand miles of high voltage transmission lines would be built as part of the project.

I read of your work and newsletter in Harvey Wasserman's article, "Revolt of the Bolt Weevils," in the August 9, 1979 issue of Rolling Stone. I would very much like to receive any past issues of your newsletter, Hold That Line, that are still available, as well as be placed on the mailing list. I would be happy to pay the necessary charges -- just send me a bill. I would also appreciate any information or references you could send me on the effects of high voltage lines on people and animals, or the names of people to contact for more information.

Thank you, and good luck in your work. I would be happy to provide any information on Alaskan energy issues that you might desire.

Sincerely,



Mark Wittow
Power Alternatives Study Coordinator

MEMORANDUM

January 22, 1980

To: Bob Speed, Speaker's Office
From: Mark Wittow *MW*

You have asked me to report on my work on energy issues this session. I am working with Representatives Rogers and Malone as coordinator of the Power Alternatives Study (funded as part of the Susitna Hydroelectric Project). Most of the legislation I am helping prepare has been inspired by the study.

A. Energy Conservation

I have put together a comprehensive energy conservation bill, under the sponsorship of Representative Miles and Rogers. The bill is intended to be a replacement for HB364, although both will be considered in the Resource Committee markup. The key features of the bill:

1. A residential and commercial audit program -- auditors will be trained and/or certified by the Division of Energy and Power Development; the program will be administered through the municipalities, with costs reimbursed by the state (excepting a \$25 fee paid by the auditee). The program is voluntary, but will help support the requirement described below in #4. *and #7*
2. A conservation loan program, administered through the Division of Business Loans, that would make loans of up to \$10,000 for home improvements leading to greater energy efficiency.
3. Policy guidelines and tax incentives to encourage the use of waste heat and cogeneration.
4. A requirement that all state-financed construction meet a minimum performance standard.
5. A requirement that all public buildings be designed to maximize energy efficiency, and that all existing (public) buildings be audited and corrective measures taken to improve their energy efficiency.
6. The elimination of the motor fuel tax for gasahol. *+life-cycle costing.*
7. A requirement that banks collect data on energy costs as part of their loan process.
8. A directive that state offices recycle renewable materials, such as paper, cans and glass, whenever possible.
9. A provision allowing second class boroughs to accept federal housing rehabilitation funds.
10. Changes in the wording of the state's long-term energy plan, placing more emphasis on conservation.

Additional provisions that will be considered as amendments during

Resources Committee markup include a grant program to pay part of the costs of conservation and alternative energy investments, as well as any of the alternative energy legislation that you have been working on that the chairman would like considered concurrently.

★ The sponsoring legislators have not yet seen these ideas expressed in statutory form. I would check with them before attributing any of the ideas to them, although they have expressed support for all of them in concept.

I am also preparing a bond package to cover the cost of retrofitting all public buildings in the state. The Dept. of Transportation and Public Facilities is working on my request for backup information.

B. The Alaska Energy Resource Development Institute

My work on this is summarized in the memo from Rogers to Gardiner dated 1-17-80, outlining the structure of AERDI. A bill draft is being prepared which follows the guidelines expressed in the memo, as modified by you and Speaker Gardiner in our 1-18-80 meeting.

C. The Power Alternatives Study

The study has three main goals:

1. To assess, using the most appropriate and advanced methods, the future power demand for the Railbelt region.
2. To assess the potential contribution of conservation and renewable energy towards meeting Railbelt energy needs.
3. To assess the availability and comparative costs of alternative methods of meeting the Railbelt power demand (i.e., natural gas, coal, small hydro, Susitna)

We are coordinating our work with that of the Alaska Power Authority to as great a degree as possible, as well as monitoring and analyzing the progress of their Phase I Study. The demand work, being performed by the Institute of Social and Economic Research, is being jointly funded by our study and the APA. Brad Tuck, a university economist, and Energy Probe of Canada, are assisting in the evaluation of the ISER demand analysis.

The study of the potential for conservation and renewable energy use is being performed by a variety of contractors in the Anchorage and Fairbanks area. This section of the study also includes an "end use" analysis of Railbelt energy consumption, which is vital to planning for power needs and has never been done in Alaska.

The assessment of comparative costs is being completed in part by Greg Erickson and Arlon Tussig, along with Mark Fryer and other sub-contractors. Additional work in this area will need to be done later this year, after the APA Phase I Study has progressed to the point of providing estimated cost information.

January 19, 1980

To: Representative Brian Rogers *MR*
From: Mark Wittow
Re: Expected Energy Legislation, 1980 session

I have summarized below what probably will be the major energy issues confronting the legislature this session. As always, one never knows what will crop up, or drop beneath the floorboards.

1. Conservation

A bill is currently being drafted, under the sponsorship of you and Rep. Miles, that would establish a comprehensive state energy conservation policy and set up a variety of incentives for the more efficient use of energy. The bill's key features:

- a. A voluntary residential and commercial audit program, to be designed by the state DEPD and administered through the municipalities.
- b. A conservation loan program, for home improvements.
- c. Policy guidelines and tax incentives to encourage cogeneration of heat and electricity, and the use of waste heat.
- d. A requirement that all state-financed construction meet a minimum performance standard.
- e. A requirement that all public buildings be designed to maximize energy efficiency, and that all existing buildings be audited and corrective measures taken to improve their efficiency.
- f. The elimination of the motor fuel tax for gasoline.
- g. A variety of more technical provisions, such as allowing the FNSB to accept federal funds for housing rehabilitation, changes in the wording of the requirements for the state's long-term energy plan.

A number of other measures have been proposed by AkPIRG, and will be considered as amendments during committee markup:

- a. A requirement that lending institutions collect data on energy costs as part of their loan application process.
- b. Inclusion of solar-oriented provisions in local zoning codes.
- c. A grant program for conservation and solar investments.
- d. A statewide mandatory retrofit program for all homes and businesses, financed by the state.

The Miles/Rogers conservation bill should be introduced during the latter half of next week.

The administration is expected to introduce conservation legislation next week. Their program contains nothing of substance not in the House legislation, and is focused around "energy tax credits," whatever those turn out to be, conservation loans and state facility

retrofit.

A number of other conservation measures will be dealt with through the appropriation process. These include funding for the conservation loan and audit programs, the creation of an economist position at the APUC to study innovative rate design and possible additional funds for some of the federal conservation programs.

The House and the Administration seem to be in general agreement on the basic outline of a state conservation program, with the House in the lead on the issue at this point. The main points of the program also have the support of groups such as the municipal league, the utilities and private industry, although no one supports limitations on their freedom of action (meaning that the waste heat provisions will face opposition).

The program to retrofit state buildings appears as part of the Governor's supplemental budget, with 25 million dollars requested. An estimated 200 million dollars will be spent over the next six years, including 34 million in FY 81. I was told that the governor intended to use general fund money for the entire retrofit program -- but the memo entitled "Legislative Leadership Briefing Budget Overview" (1-14-80) shows a FY 80/81 bond package of 18.1 million for "Energy Conservation/Facilities Upgrade Bonds."

I have begun the process of preparing a bond package for the cost of retrofitting all public and municipal buildings in the state

2. Alaska Energy Resource Development Institute

A bill is now being drafted, under the sponsorship of you and Speaker of the House Gardiner, to create the Alaska Energy Resource Development Institute. AERDI would be an independent public corporation designed to promote the development of energy technologies. It would receive its initial funding from the state, and would seek project funding from federal, state and private sources. One of the Institute's main goals would be to broaden and increase employment opportunities for Alaskans. It would also be expected to encourage innovation and help individuals and business bring new ideas to the commercial stage.

The areas that AERDI is expected to pursue: enhanced petroleum recovery, increased efficiency in coal combustion, hydrogen use and storage technologies, applications of wind and small hydro power in Alaska, alternative liquid fuels, waste heat and cogeneration, fuel cells, heat pumps and other promising renewable energy technologies. AERDI is being established at a time when huge amounts of federal funds are available for energy research and development, to bring those funds to Alaska, and to use our own energy revenues for long-term economic and technological development.

3. Funding for Alternative Energy Projects

The governor has proposed that DEPD receive 350,000 dollars and DOTPF receive \$500,000 for community-level resource research, development

and demonstration projects. Almost a half million dollars will be available for small-scale power projects using local resources of under one megawatt. The governor has also proposed a funding increase for the northern technology program (\$150,000 total), although his intentions are clouded by the executive order moving the entire Council to the Dept. of Env. Conservation.

Whether or not AERDI is established, the House is expected to be extremely sympathetic towards funding worthwhile alternative energy research, development and demonstration projects. The University has proposed an Energy Research Institute; many of the projects included in their package would be worth funding. These include fuels research, wind energy, biomass reduction, local utilization of arctic coal and waste heat programs.

3. Rural Problems

A variety of proposals are up in the air in the House and Senate which deal with the problem of high energy costs in bush villages. These include electric lifeline rates, heating and diesel fuel subsidies, and alternative energy utilization. The administration has proposed bulk fuel purchase loans, at five million dollars, and a bulk fuel storage facility acquisition program, at 750,000 dollars. Additional appropriations to the various ^{regional} energy emergency funds have been proposed by the governor.

4. Susitna Hydroelectric Project

The Alaska Power Authority will soon distribute the revised Phase I plan of study proposal by Acres American for public comment. The governor has asked that 7.5 million dollars be appropriated for the Phase I studies in his supplemental request, although most of the 8.1 million from last year's appropriation is still available. The new supplemental request was made because "the power authority is ready to spend it," according to my administration sources. Representative Malone introduced a House bill to appropriate the same amount in the FY 81 budget, along with continued funding for the alternatives study (\$90,000) and money for geophysical mapping by the University (\$110,000).

The Power Alternatives Study is reviewing the potential of energy conservation, alternative energy sources and natural gas in meeting Railbelt energy needs. The Study also includes a comprehensive report by ISER on future energy demand in the Railbelt, and is being partially funded by the APA as part of the Susitna Phase I work. Study Committee consultants have helped develop the House conservation legislation. Energy Probe has detailed the need for more knowledge of Railbelt housing stock characteristics in their analysis of the ISER demand model.

5. Natural Gas

The focus has shifted from Northwest demands for the state to join in gas line financing to the need for examinations of options for use of our royalty gas. The Governor is making a lot of noise

about reviewing the possibility for petrochemical development, but little has been done. The use of the gas for power generation needs to be examined, and will be addressed in rough terms in the Power Alternatives Study report. More attention needs to be paid to mundane tasks such as figuring out the best offtake points, and to the lack of knowledge about all potential instate uses for the gas. I wish there was more to report in this paragraph, but proposals for action are lacking.

I have not covered proposals for the conditioning plant.

6. Oil and Gas Leasing Policy and Five Year Plan

The Interim Committee's analysis of the Beaufort sale and the proposed five year lease schedule shows that the Dept. of Natural Resources has very little of the data they need to conduct lease sales in a manner that will protect the state's interest. They are farther behind for upcoming sales than they were at this time last year for the Beaufort sale. They have almost no seismic information for upcoming sale areas. Although they have requested increased funding for leasing preparations, I don't have details on what they plan to do with the money.

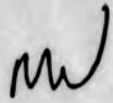
(You may want to comment on the use of profit share bidding at the Beaufort sale, and its value for bringing the state greater revenues from oil and gas, as well as spreading them out for more responsible management.)

I think I've covered everything, but I'll keep checking and let you know if anything new comes up. As far as presenting this information, I'd stress two points:

1. Your efforts in writing energy conservation legislation will help reduce the operating costs of state government, and may help prevent the later imposition of coercive measures in emergency situations.
2. Your work on the Susitna project is designed to make sure that the tremendous investment required to build the dam won't result in huge costs to electricity users, and that the more economical ways of meeting energy demand are fully explored. The Power Alternatives Study Committee is also the only official public group maintaining critical oversight of the project, to ensure that it is built soundly, safely and at a proper size for future demand. The APA is too close to the project to maintain the necessary perspective.

January 21, 1980

To: Representative Brian Rogers
From: Mark Wittow



Addendum to 1-20-80 memo on energy issues

I have listed below a variety of issues relating to state energy policy that may be addressed this session. The primary issues were addressed in yesterday's note to you.

A. Natural Gas

1. Bonding Authority -- revise, abolish?
2. The necessity for an instate use study
3. Public examination of the resident hire issue, to exert the required pressure on NW for a good agreement.
4. The costs and benefits of trade to obtain gas liquids.

B. Oil and Gas Conservation Commission

1. Possible shakeup and/or expansion of the Commission
2. Continued funding for the Van Poolen reservoir study, which has gone way over budget and schedule.
(It is still vital that the study be completed.)

C. Coal Royalties -- legislation will be submitted to raise the coal royalty to somewhere around 5%.

D. Oil Pollution Cleanup -- legislation on this subject, submitted by the Governor, will be taken up in the House Resources Committee next week.

E. Oil and Gas Unitization -- new legislation will be submitted by McKinnon/Chatterton, which will attempt to clear up the confusion (and resulting loopholes) between "exploratory" units and production units. DNR also has new unitization regulations, which will be impacted by the new legislation.

F. Alpetco -- no legislation action is expected, but research is being conducted to determine the validity of LaRocca's charges in last week's All-Alaska Weekly. (by the House Research Agency)

G. Alternative Energy Sources -- legislation is expected on financing of small hydro, and general state support for small hydro, geothermal, and solar systems.

H. ETC. -- The impact of the PacLNG proposal on Cook Inlet gas prices may be considered.
Due to the increased Sadlerochit production, a small state royalty oil sale will be held soon, with approval by the legislature required.

The major issues of conservation, rural energy problems, AERDI, Susitna, alternative energy projects and the five-year lease schedule were covered in the original memo.

BRADFORD H. TUCK, PH.D.

ECONOMIC CONSULTANT

1822 CINDYLEE LANE
ANCHORAGE, ALASKA 99507

(907) 344-9293

January 23, 1980

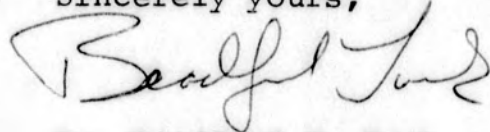
Representative Brian Rogers
Pouch V
Juneau, Alaska 99811

Dear Brian:

I am writing to ask that the January 21 deadline for an interim report in my contract on the Susitna Power Alternatives Study be extended for three weeks.

I apologize for this delay, but it has been unavoidable.

Sincerely yours,



Dr. Bradford H. Tuck

Mark - ok by me BR



UNIVERSITY OF ALASKA
Institute of Social and Economic Research
707 "A" St., Suite 206
Anchorage, Alaska 99501
Phone (907) 278-4621

February 5, 1980

Representative Hugh Malone
State of Alaska
Pouch V
Juneau, Alaska 99811

Dear Representative Malone:

As you are aware, the state is actively involved in studying the feasibility of electric power production for the railbelt from hydro-electric facilities on the Susitna River.

In conjunction with these studies, the Institute has been asked by the State Legislature and the Alaska Power Authority to develop projections of electricity demand for the railbelt through the year 2005. The Man-in-the-Arctic Program (MAP) econometric model will be used in this study to provide projections of the relevant economic variables for analysis of electricity demand.

As with any technique which attempts to look into the future of the Alaskan economy, we find it necessary to make estimates of the types and timing of large resource development projects which will be impacting the state economy as well as state government spending policies with respect to the growing oil revenue surplus. Assumptions concerning these factors will largely determine the pattern of economic growth for the state over the next twenty-five years.

You are invited to attend a meeting of economists familiar with potential Alaskan development projects and state spending policies at the Institute's Anchorage office on Friday, February 15, at 9:00 a.m. At the meeting, I will be presenting the economic and fiscal assumptions that have been developed by the Institute economists for projecting the Alaskan economy over the next twenty-five years. The purpose of the meeting is to produce a check on these assumptions based upon the knowledge and experience of the economists in attendance.

UNIVERSITY OF ALASKA

Representative Hugh Malone

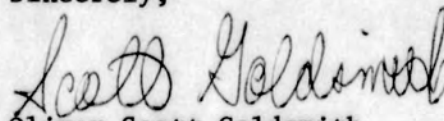
February 5, 1980

Page Two

I think you will find this meeting interesting from a methodological point of view because the desired output of the meeting is a set of probability distributions for the critical scenario variables--resource development employment and state spending. I hope that it will be possible to integrate your estimates of the probability of future events with those of other economists through a technique known as probability encoding. Basically, we will try to form a consensus on the shape of the probability distribution for critical scenario variables using a simple Delphi technique.

I anticipate a very interesting session and urge you to attend. If you have any questions, please call me at 278-4621.

Sincerely,



Oliver Scott Goldsmith
Assistant Professor
of Economics

OSG/ds

ALASKA POWER AUTHORITY

333 WEST 4th AVENUE - SUITE 31 - ANCHORAGE, ALASKA 99501

Phone: (907) 277-7641
(907) 276-2715

February 19, 1980

Scott Goldsmith
Institute of Social and Economic Research
707 "A" Street, Suite 206
Anchorage, Alaska 99501

Dear Scott:

I enjoyed being involved in last Friday's attempt to solicit subjective views on the state's economic future as part of the Susitna energy demand forecast. I am writing to reiterate some comments I made during the exercise.

First of all, the Power Authority continues to want a subjective probability distribution for the forecasts as called for in Subtask F.2 of your Detailed Work Plan. The planners need that sort of guidance. By definition, a subjective assessment of probability is completely dependent upon the individual outlook of the person making the assessment. ISER could probably make such an assessment on its own, but it is readily understandable why you would prefer to solicit views from a group of knowledgeable people. In so doing, however, the makeup of the group becomes all-important.

If the collective views of a group are going to influence your study, it becomes imperative to first of all document, and second of all control, the makeup of the group. I presume that a broad and balanced representation would be the goal. Noting that the group of participants on Friday differed from the invited group, it is likely that the desired breadth and balance was not realized.

Thank you for considering these comments.

Sincerely,


Robert A. Mohn
Director of Engineering

Copies to: Mark Wittow, Office of
Representative Malone
Acres American Incorporated

February 26, 1980

To: Russ Meekins, Chairman, House Finance Committee
From: Hugh Malone

Re: Supplemental appropriation for the Susitna Hydroelectric Project
Phase I Study.

I am against providing this money to the Alaska Power Authority during fiscal year 80. As you know, I sponsored HB 570, which appropriates the same amount (7.5 million) to the Authority in fiscal year 81. I have discussed the matter with Mr. Yould of the A.P.A., and have reviewed the timetable for the Phase I Study. I can find no reason for the authority to receive this money now, instead of during FY 81. The eight million dollars appropriated in last year's SB 63 still remains largely unspent.

Before appropriating any money to the Authority for the Susitna project, the Finance Committee should review the timetable of the study plan. The appropriations need to be made in a manner that allows for proper legislative oversight.

I also stress the importance of continuing direct legislative oversight of the project by appropriating enough money (probably \$90,000) to the House Research Agency to continue the critical work begun by the House Power Alternatives Committee.

Please let me know if you wish to discuss this at greater length.



(HB 570 attached)



Alaska State Legislature

House of Representatives

February 27, 1980

Pouch V
State Capitol
Juneau, Alaska 99811

Official Business

Mr. Eric Yould
Alaska Power Authority
33 West 4th Avenue
Anchorage, AK 99501

Dear Eric:

We have reviewed the proposed Plan of Study, dated February 1980, submitted by Acres American to the Alaska Power Authority. We are disturbed by parts of Section A4 where responses to the public comments of last fall are made. In parts T1.2 and 1.7, Acres described the work of our committee to answer statements about the need for study of conservation and power alternatives. Our efforts are designed to provide information to the legislature and public about the various alternatives for generating power in the Railbelt. They are not meant to be a substitute for work that Acres should be doing as part of their study plan.

We have cooperated with the Alaska Power Authority in sponsoring the work of the Institute for Social and Economic Research on power market demand projections. We will continue to share all our work with you, as well as make our individual contractors available for consultation, but in the sections on conservation and power alternatives, our work can only guide that of Acres, not replace it.

When appropriate, we would also be happy to provide an updated account of the committee's work to help you revise pages 5-4 and 5-5 of the Acres plan.

Please let us know if you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "H. Malone".

Hugh Malone, Co-Chairman
House Power Alternatives
Study Committee

A handwritten signature in cursive script, appearing to read "B. Rogers".

Brian Rogers, Co-Chairman
House Power Alternatives
Study Committee

February 27, 1980

Mr. Eric Yould
Alaska Power Authority
33 West 4th Avenue
Anchorage, AK 99501

Dear Eric:

We have reviewed the proposed Plan of Study, dated February 1980, submitted by Acres American to the Alaska Power Authority. We are disturbed by parts of Section A4 where responses to the public comments of last fall are made. In parts T1.2 and 1.7, Acres described the work of our committee to answer statements about the need for study of conservation and power alternatives. Our efforts are designed to provide information to the legislature and public about the various alternatives for generating power in the Railbelt. They are not meant to be a substitute for work that Acres should be doing as part of their study plan.

We have cooperated with the Alaska Power Authority in sponsoring the work of the Institute for Social and Economic Research on power market demand projections. We will continue to share all our work with you, as well as make our individual contractors available for consultation, but in the sections on conservation and power alternatives, our work can only guide that of Acres, not replace it.

When appropriate, we would also be happy to provide an updated account of the committee's work to help you revise pages 5-4 and 5-5 of the Acres plan.

Please let us know if you have any questions.

Sincerely,

Hugh Malone, Co-Chairman
House Power Alternatives
Study Committee

Brian Rogers, Co-Chairman
House Power Alternatives
Study Committee

February 27, 1980

Mr. Eric Yould
Alaska Power Authority
33 West 4th Avenue
Anchorage, AK 99501

Dear Eric:

We have reviewed the proposed Plan of Study, dated February 1980, submitted by Acres American to the Alaska Power Authority. We are disturbed by parts of Section A4 where responses to the public comments of last fall are made. In parts T1.2 and 1.7, Acres described the work of our committee to answer statements about the need for study of conservation and power alternatives. Our efforts are designed to provide information to the legislature and public about the various alternatives for generating power in the Railbelt. They are not meant to be a substitute for work that Acres should be doing as part of their study plan.

We have cooperated with the Alaska Power Authority in sponsoring the work of the Institute for Social and Economic Research on power market demand projections. We will continue to share all our work with you, as well as make our individual contractors available for consultation, but in the sections on conservation and power alternatives, our work can only guide that of Acres, not replace it.

When appropriate, we would also be happy to provide an updated account of the committee's work to help you revise pages 5-4 and 5-5 of the Acres plan.

Please let us know if you have any questions.

Sincerely,

Hugh Malone, Co-Chairman
House Power Alternatives
Study Committee

Brian Rogers, Co-Chairman
House Power Alternatives
Study Committee

WHILE IN SESSION:
POUCH V
JUNEAU, ALASKA 99811
(907) 465-4925

HOME:
BOX K - COLLEGE
FAIRBANKS, ALASKA 99708
(907) 456-2037

BRIAN ROGERS

Alaska State Legislature

February 29, 1980

John Collette
Alaska Federation for Community Self Reliance
PO Box 73488
Fairbanks, Alaska 99707

Dear John:

Representative Rogers has asked me to respond to your letter of February 10 on state energy conservation policy. I thank you for taking the time to spell out your thoughts for members of the legislature. The information you presented should aid them in the evaluation of the various conservation bills before the House and Senate.

As a supporter of the programs you suggest, I would like to offer some constructive criticism of your letter. To make an impact during the hectic pace of the legislative session, your message needs to be clear, direct and well-organized. Back-up material should be presented as such. I found your strongest points more or less buried at the bottom of pages 3 and 5.

On page 3, you make the point that a subsidy of immediate fuel costs fails to provide the kind of long-term return that expenditures for conservation would provide. This is a vital point, and worthy of a strong, direct statement. A number of proposals are under consideration by the House and Senate Resource Committees that provide subsidies for energy consumption. I am sure that members of those committees, and the Fairbanks delegation, would be interested in the Federation's views on these types of proposals. But they may never understand your position unless they do more than skim your lengthy letter.

On page 5, you describe five state programs that would aid efforts in the area of energy conservation. Almost all of your suggestions are incorporated in House Bill 851 (attached). Since these suggestions are something your legislators will have the opportunity of addressing, they also deserve clear and direct description.

I make these suggestions only to aid you in your efforts to make your opinions and ideas known to the legislature. Again, your work in sending suggestions out is very much appreciated. One last point -- you should mention the specific bill titles and numbers of the proposals that you support or dislike.

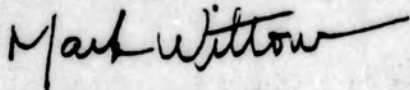
I also received your letter describing your energy audit operations, and thank you for your response to my questions. When committee deliberations on audit and conservation programs begins, I will be sure to contact you to enable you to present your views to the legislature. I will try to call you during

Collette February 29, 1980 Page Two

the next few weeks to discuss your letter. I agree with your feeling that audits are worthless without proper retrofit work to carry through the suggestions. I would be interested in talking with you about what state government can do as part of this effort. You mention low interest loans, for example. Is the interest rate, or the availability, of loans the key? I realize that the rate changes the payback period for investment, and therefore changes the amount of work that is economic to do. Should the state train and certify auditors? "House doctors?" What is better done at local or private levels? What are the noncoercive ways of encouraging retrofitting?

I look forward to talking to you. Thank you again for your letters.

Sincerely,



Mark Wittow
Study Coordinator
House Power Alternatives Study Committee

Attachment



Alaska State Legislature

House of Representatives

Official Business

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

March 8, 1980

Kevin Harun
Fairbanks North Star Borough Assembly
Fairbanks, Alaska 99701

Dear Kevin:

Brian Rogers just handed me a copy of your testimony on The Susitna Hydroelectric project. You have clearly expressed the problems with the Sustina project, and the positive measures that need to be dealt with in its place. With your permission, I would like to be able to quote from your message to the Senate Resources Committee in future reports of the House Power Alternatives Study Committee, and distribute it to people that would be interested in your statement. Since you submitted this as public testimony, I assume you would have no objection -- let me know if you feel otherwise.

I would be happy to keep you informed of the progress of the power alternatives study, and energy-related legislation if you wish. Just drop a note to either Brian or myself with your questions.

Thanks again for your testimony -- I hope it has some effect on the legislative deliberations on Susitna and general energy policy.

Sincerely,

A handwritten signature in cursive script that reads "Mark Wittow".

Mark Wittow
Coordinator, Power Alternatives Study Committee
465-3711/3799

LA21 1648 12.21 JAD1 0046 12.21 01/25/80

TO: REP HUGH MALONE, AND REP BRIAN ROGERS

FM: LARRY KATKIN, DYNAMIC RESEARCH, SR 10612, FBX AK 99701 PHONE-479-8107

RE: HB 570

IN HB 570 CAN YOU INCLUDE FUNDING FOR THE FEASIBILITY OF THE PRODUCTION OF HYDROGEN GAS FROM SURPLUS ELECTRICITY GENERATED BY THE SUTINA HYDRO-ELECTRIC PROJECT? OUR FIRM IS PRESENTLY DOING STUDIES IN THIS AREA AND WOULD BE WILLING TO PERFORM THIS STUDY EITHER FOR THE HOUSE POWER ALTERNATIVES COMMITTEE OR POSSIBLY THE APA.

CAN BE CONTACTED WEEKDAYS 8AM - 5PM

FBX L10/LJ

Mark -
what do you
think.

WHILE IN SESSION:

POUCH V

JUNEAU, ALASKA 99811

(907) 465-4925

HOME:

BOX K - COLLEGE

FAIRBANKS, ALASKA 99708

(907) 456-2037

BRIAN ROGERS

Alaska State Legislature

*Susitna
Consult*

November 20, 1979

Larry Katkin
Dynamic Research Corporation
S. R. Box 10612
Fairbanks, Alaska 99701

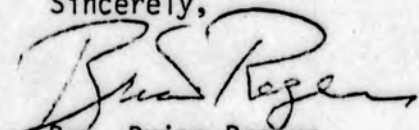
Dear Larry:

This letter will serve as authorization for one round-trip travel between Fairbanks and Anchorage to conduct interviews with R & M Engineering and the Army Corps of Engineers in reference to the Susitna Dam Study.

This travel is covered under Clause IV(B) in the contract between Dynamic Research Corporation and the House Power Alternatives Study Committee.

Due to my tight schedule, I will need the results of those interviews no later than Monday morning, December 10.

Sincerely,


Rep. Brian Rogers

WHILE IN SESSION:
POUCH V
JUNEAU, ALASKA 99811
(907) 455-4925

HOME:
BOX K - COLLEGE
FAIRBANKS, ALASKA 99708
(907) 456-2037

BRIAN ROGERS

Alaska State Legislature

POWER ALTERNATIVES STUDY

October 18, 1979

(406) 494-6180

Jerry Plunkett
Montana Energy Research and Development Institute
Butte, Montana 59701

Dear Jerry:

I have enclosed a copy of the Alternative Energy Conference schedule, to be held here November 9-11. We have asked you to meet with several people who will be conducting a study of the potential for conservation and renewable resource development in Alaska during that weekend, or the Monday (Nov. 12) following the conference. I have also enclosed a copy of the draft contract for that study, for your information.

Nancy Lee, at the Alaska Center for The Environment, will be handling details such as transportation and accommodations for the conference. She can be reached at 907-274-3621. I know that you plan to talk with her sometime this afternoon to take care of these details.

I understand that you will be in D.C. from Oct. 20-24, meeting with President Carter and others, and will be in Japan from Oct. 27, with Ambassador Mansfield and a delegation of Western governors, until arriving in Anchorage on Nov. 9.

You will be meeting with Representative Rogers while in Anchorage. He can be reached at the number above, or at his office: 479-7692. The other people we would like to have you meet with include Vic Fischer of the Institute for Policy Studies (272-2381), James Love and Eric Myers of the Alaska Public Interest Research Group (278-3661), Mark Baumgartner of the Fairbanks Federation for Community Self-Reliance (456-7674) and Rich Seifert of the University Water Resources Institute. I provide these phone numbers at your request; however, we will be sure to contact you at the Conference if not sooner to arrange the weekend's meetings.

I am sure you will enjoy your trip to Alaska. I know many people will be interested in learning as much as possible about your Institute, and Montana's efforts in the field of energy research and development. I do not expect to be able to attend to the conference, but I hope to meet you at some future date.

Sincerely,

Mark Wittow

Mark Wittow
Study Coordinator

cc: Representative Rogers
Nancy Lee

WHILE IN SESSION:
POUCH V
JUNEAU, ALASKA 99811
(907) 465-4925

HOME:
BOX K - COLLEGE
FAIRBANKS, ALASKA 99708
(907) 456-2037

BRIAN ROGERS

Alaska State Legislature

POWER ALTERNATIVES STUDY

October 17, 1979

Chris Conway
Energy Probe
43 Queen's Park Crescent East
Toronto, Canada M5S 2C3.

Dear Chris:

Enclosed is the draft contract and scope of work for the University of Alaska Institute of Social and Economic Research power demand forecast. Also enclosed is a draft contract with the Alaska Center for Policy Studies for a study of the potential for conservation and renewable energy sources in the Railbelt area of Alaska. We have asked you to review the demand forecasts, and to be available to advise the principals in the study by the Center.

I have also included materials that should provide some information on the background and present status of the Susitna hydropower debate.

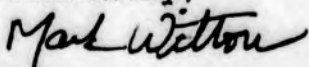
WE have asked you to come to Anchorage on November 9th to meet with the other participants in the Power Alternatives Study, and participate in the Alternative Energy Conference (brochure attached.) You will be able to arrange meetings with Institute personnel on Monday and Tuesday, at your convenience, following the conference.

You should contact Nancy Lee, at the Alaska Center for the Environment (907-274-3621) for details about your participation in the conference, housing/hotel, etc. She has promised to take good care of you and other Energy Probe members.

I expect to be leaving for Ohio and the East Coast on Tuesday, October 23rd. If you need to reach me, I will be at 216-759-0433 after Oct. 25th. For details on the study, you can contact Representative Rogers, or his aide Glenda Straube, in Fairbanks at 907-479-7692, Room 610F, Gruening Bldg., University of Alaska, Fairbanks 99708.

I look forward to reading your work proposal, and hope to have a chance to meet you soon.

Sincerely,



Mark Wittow
Study Coordinator

cc: Representative Brian Rogers
Nancy Lee



18 October 1979

The Honorable Brian Rogers
Box K, College Branch
Fairbanks, AK 99708

Dear Mr. Rogers:

Re: Northwest Regional Assessment Study
Solar Electric Workshop

As indicated in earlier correspondence with you, the Solar Energy Research Institute (SERI) is conducting a series of six regional studies to assess the potential for solar electric technologies in the United States. JBF Scientific Corporation, with assistance from CH2M HILL, has contracted with SERI to conduct the Northwest Regional Assessment Study, covering the 10-state northwest region.

An integral part of this study is a series of workshops to gather information from current and potential users of solar electric systems. A brief description of the workshop purpose and objectives and a tentative agenda for the workshops are enclosed for your information.

Because of your interest and involvement in alternative energy development, we would like to invite you to participate in the workshop in Alaska. The session will be held:

13 November 1979
Captain Cook Hotel
Anchorage, Alaska

To allow for productive discussions and exchange of ideas, approximately 30 people will be invited to attend. A reply card is enclosed for your convenience; your response by 29 October would be appreciated.

If you are unable to attend, you may wish to designate another person to participate in your place. All participants will receive an information packet containing further information on agenda items before the workshop session.

We appreciate your assistance in this study and look forward to your participation at the workshop.

Sincerely,

A handwritten signature in cursive script that reads "Michal Wert".

Michal A. Wert
Planner

MAW:gy

WHILE IN SESSION:
POUCH V
JUNEAU, ALASKA 99811
(907) 465-4925

HOME:
BOX K - COLLEGE
FAIRBANKS, ALASKA 99708
(907) 456-2037

BRIAN ROGERS

Alaska State Legislature

POWER ALTERNATIVES STUDY COMMITTEE

October 19, 1979

Jerry Plunkett
Montana Energy Research and Development Institute
Box 3809
Butte, Montana

Dear Jerry,

I am writing to confirm my visit to the Institute on October 25th. I am scheduled to arrive in Butte at 10:30 am that morning, and plan to depart the same time the next day.

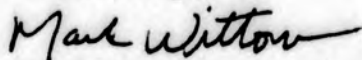
I have three basic reasons for visiting:

1. Our committee is planning a study of the potential of energy savings through the use of renewable energy sources and through conservation. I would like to talk with the people who have done similar studies or work in Montana.
2. Several legislators are interested in using part of Alaska's oil wealth to establish an energy research institute devoted to renewable energy forms, enhanced oil recovery and related areas. I would like to find out the details of how your Institute was established as well as the substance of its current budget and operations.
3. Alaska has large amounts of undeveloped coal resources. I know that your Institute has done a great deal of work on coal, and I would like to be able to be appraised of the areas in which you provide expert or technical help to Alaska.

The first two areas are of greatest interest to me.

I look forward to meeting you and the staff of the Institute, and appreciate your invitation to visit.

Sincerely,



Mark Wittow
Study Coordinator



Fairbanks Environmental Center

218 DRIVEWAY
FAIRBANKS, ALASKA 99701
(907) 452-5021

17 October 1979

Governor Jay Hammond
OFFICE OF THE GOVERNOR
Pouch A
Juneau, AK. 99811

Dear Governor Hammond:

Over the last few years, we have participated in planning and study of the proposed Susitna hydro-power project at every opportunity available to us. This is because we are convinced that a project of the magnitude of Susitna has major implications not only for future development of the railbelt, but for energy policy Statewide.

Next week, you will make a decision on detailed Feasibility Studies of Susitna.

You will be asked to choose between the Army Corps of Engineers and a consulting firm, Acres American, selected by the Alaska Power Authority.

We feel that you have a third option which you should seriously consider. You can postpone the Feasibility Studies until the current Legislative Study of Susitna is completed.

There is a need to clearly separate our energy planning from energy development. Both the Acres and Corps plans of study address primarily the technical and financial aspects of the project. This is certainly a legitimate end.

However, we may be putting the cart before the horse. Common sense seems to suggest that we first thoroughly assess and establish the need for a project, before we spend \$8.2 million-(eventually as much as \$25, or more) - of taxpayers' money on detailed technical studies.

We strongly suggest that you defer the decision to initiate Feasibility Studies until an up-to-date Market Analysis and Evaluation of Alternatives is completed. The Legislative Study will address these questions from an independent perspective, through contracts to Alaskan experts.

In dividing energy planning and development tasks, maximum objectivity and the public interest would be best protected by separating those who assess feasibility from those who might eventually design and construct a project.

To this end, we suggest that any contract which is written for Feasibility Studies include a provision which expressly precludes the firm or agency' conducting the Studies from any involvement in design or construction.

In making your decision, we hope you will bear our remarks in mind.

"Cherish, Conserve, Consider, Create"



Fairbanks Environmental Center

218 DRIVEWAY
FAIRBANKS, ALASKA 99701
(907) 452-5021

16 October 1979

Robert E. LeResche,
Commissioner
DEPARTMENT OF NATURAL RESOURCES
Pouch M
Juneau, AK. 99811

Dear Commissioner LeResche:

We were delighted to receive your letter of October 10, stating your decision to remove the Revine Creek disposal from the FY 1980 schedule.

It's gratifying to know you have listened to the voices of local residents, Senator Sackett, Representative Moss, Commissioner Skoog and conservationists and responded with such a bold move. We are particularly pleased that further survey and platting contracts in Revine Creek have been postponed, until the issue is resolved among the State, the Legislature and citizens.

The Fairbanks Environmental Center views the disposal issue as one of the most serious land-use problems currently facing Alaska. We intend to continue working closely with your Department and our Legislators in seeking a long-term solution to this matter.

We must find a way to meet the legitimate need for private ownership while still protecting valuable public resources and the self-determination of existing communities. To this end, we are actively working to see that lands suitable for settlement are placed in the "land bank", while areas with significant public interest values are retained in public hands. We feel this is the only way to perpetually serve the needs of the largest number of Alaskans.

Again, we greatly appreciate your considered efforts to administer the disposal program in a sensitive and equitable manner.

Sincerely,

John Adams,
Executive Director

Copies to: Governor Hammond
Commissioner Ron Skoog - ADF&G
Ted Smith - Division of Lands
Steve Jones - McKinley Park
Jeri Cole - Denali Citizens Council

Senator John Sackett
Rep. Pappy Moss
Wm. Copeland - Div. of
Lands

"Cherish, Conserve, Consider, Create"

LA11 2042 12.06 JA01 0014 12.06 06/07/79

↑
TO GREGG ERICKSON, JNU
FROM CAROL DICKASON, ANCH LIO.

REP. JOE MC KINNON WOULD LIKE YOU TO TELECOPY TO THIS OFFICE THE
SOLICITATION FOR BIDS FOR ALTERNATIVES TO THE SUSITNA PROJECT.

THANKS. EOM/

SOMA SERVICES
P. O. Box 10,198
FAIRBANKS, ALASKA 99701

FOLLOW-UP DATE

19

(907) 479-8441

Date 9/10/79 ITNA

Subject SUSITNA

To SAM SKAGGS
FEDERATION FOR COMMUNITY SELF-RELIANCE

Sam, I talked with Mark more and here's more info. It's a good idea if you write up a simple proposal for the Fed. part of the study. As far as the Railbelt area---- Wittow believes that you would be concerned with the Fairbanks area (FNSB) Your report would deal with the effects of conservation on the demand for energy and I would presume would include the end use study for the area also.

Work will start in October and the first draft will be due approx. Feb. or March 1980. Your report would be needed earlier than some others. The final report due probably in Fall of 1980. You should ask for \$5000-\$10,000. I realize this is a wide range, but you'll have to figure that one out. Also, this may include overhead if you so desire. I know you'll be reasonable. Can you write this up before you leave and get it to me?

☒ Please reply ☐ No reply necessary

SIGNED

Genda Straube

WHILE IN SESSION:
POUCH V
JUNEAU, ALASKA 99811
(907) 465-4925

COR.
HOME:
BOX K - COLLEGE
FAIRBANKS, ALASKA 99708
(907) 456-2037

BRIAN ROGERS
Alaska State Legislature

September 11, 1979

Honorable Jay Hammond
Governor
Pouch A
Juneau, Ak 99811

Dear Governor Hammond:

As you know, the legislature appropriated \$200,000 for a study of the assumptions behind and the alternatives to the proposed Susitna Hydroelectric Power Project, for the purpose of addressing some of the unresolved issues central to its feasibility. Our study will focus on explaining and updating population growth and energy demand projections, and analyzing the possibilities for conservation within the state, and in depth analysis of the comparative costs of the available alternatives, including coal and gas-fired plants, geothermal, wind, solar and tidal.

Before we contract with consultants, we would like to receive any questions you or your staff may have relating to the project. In particular, we are interested in the environmental or technical questions which impact project benefits.

Your office is responsible for approval of a commitment of eight million dollars if federal backing of the Phase I portion of the project is not forthcoming. You may wish to consider postponing any major decisions on the course of the project until our study is complete. We expect to have a preliminary report ready by April 1980, with a final report completed in the fall of 1980.

Thank you for your assistance.

Sincerely,


Rep. Brian Rogers

cc: Frances Ulmer

Talk to Jiz

Susitha

5

- Brian -
Plan Seminar MHT
mid December

(1) General consultant, ✓

(2) Conservation impact ✓

(3) Montana Group here - Research needs of state ✓

(4) ^{Mr} K. return - start on Susitha
split between Eli & Anthony
forward Susitha files to Brian with
Jingon

(5) Visits to Consultants outside?

(6) Shape of study

- a) Demand
- b) Conservation
- c) Design for Alternatives Study
- d) N.G.

(7) Private firm PAF prepare

✓ (8) Can I get on team - Div case about loan?
find out about loan app

(9) Barron AETDL
index of research?

Check on
timetable
Sharon Traynor
\$ available
assistance in
reg for Br.
& Council

STATE OF ALASKA

DEPARTMENT OF COMMERCE & ECONOMIC DEVELOPMENT

DIVISION OF ENERGY & POWER DEVELOPMENT

JAY S. HAMMOND
GOVERNOR

7TH FLOOR MACKAY BLDG.
338 DENALI STREET
ANCHORAGE, ALASKA 99501
PHONE: (907) 272-0527

July 2, 1979

Representative Brian Rogers
P.O. Box K, College Branch
Fairbanks, Alaska 99708

Dear Representative Rogers:

As you may know, Title IV of the Public Utility Regulatory Policies Act (PURPA) of 1978 authorized loans be made by the Department of Energy (DOE) for feasibility studies and related licensing for small hydro-electric power projects. Ten million dollars was appropriated last year by Congress and another ten million has been requested for FY80. Another section of the law also authorized construction loan funds, but unfortunately, no money was appropriated.

The major drawback of the legislation has been its application to "existing dams which are not now being used to generate power". I have been informed that the Senate Energy Committee has approved an amendment to remove this restriction, thereby, greatly increasing its potential use in Alaska (Attachment A). A letter of support from you to our Congressional delegation supporting the amendment would be helpful in bringing the matter to their attention and in assuring passage through the House and Senate.

*cc to
Clausen*

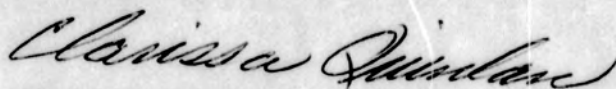
I'm also enclosing for your review proposed regulations prepared by DOE relating to the feasibility studies and licensing loans (Attachment B). Any comments should be submitted in writing as soon as possible even though you will not be able to meet the comment period deadline. In the future we will be sure that you get these items in a more timely manner.

I've also included for your consideration a Program Opportunity Notice (PON) relating to Small-Scale Hydroelectric Demonstration projects being partially funded by DOE (Attachment C). Should you be interested in applying, our office would be happy to assist.

Page Two
July 2, 1979
Representative Rogers

Please feel free to contact me should you have any questions. In the meantime we'll keep you informed as to the progress of the legislation and the loan applications timetables.

Sincerely,



Clarissa Quinlan
Director

cc: Chuck Webber, Commissioner
Dale Rusnell, DEPD

Attachments:

- A Amendment Public Utility Regulatory Policies Act of 1978-S.948
- B Notice of Proposed Rulemaking and Public Hearing - P.L. 95-617
- C Small-Scale Hydroelectric Power Demonstration Projects

WHILE IN SESSION:
POUCH V
JUNEAU, ALASKA 99811
(907) 455-4925

HOME:
BOX K - COLLEGE
FAIRBANKS, ALASKA 99708
(907) 456-2037

BRIAN ROGERS

Alaska State Legislature

POWER ALTERNATIVES STUDY

October 18, 1979

Jerry Plunkett
Montana Energy Research and Development Institute
Butte, Montana 59701

Dear Jerry:

I have enclosed a copy of the Alternative Energy Conference schedule, to be held here November 9-11. We have asked you to meet with several people who will be conducting a study of the potential for conservation and renewable resource development in Alaska during that weekend, or the Monday (Nov. 12) following the conference. I have also enclosed a copy of the draft contract for that study, for your information.

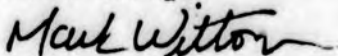
Nancy Lee, at the Alaska Center for The Environment, will be handling details such as transportation and accommodations for the conference. She can be reached at 907-274-3621. I know that you plan to talk with her sometime this afternoon to take care of these details.

I understand that you will be in D.C. from Oct. 20-24, meeting with President Carter and others, and will be in Japan from Oct. 27, with Ambassador Mansfield and a delegation of Western governors, until arriving in Anchorage on Nov. 9.

You will be meeting with Representative Rogers while in Anchorage. He can be reached at the number above, or at his office: 479-7692. The other people we would like to have you meet with include Vic Fischer of the Institute for Policy Studies (272-2381), James Love and Eric Myers of the Alaska Public Interest Research Group (278-3661), Mark Baumgartner of the Fairbanks Federation for Community Self-Reliance (456-7674) and Rich Seifert of the University Water Resources Institute. I provide these phone numbers at your request; however, we will be sure to contact you at the Conference if not sooner to arrange the weekend's meetings.

I am sure you will enjoy your trip to Alaska. I know many people will be interested in learning as much as possible about your Institute, and Montana's efforts in the field of energy research and development. I do not expect to be able to attend to the conference, but I hope to meet you at some future date.

Sincerely,



Mark Wittow
Study Coordinator

cc: Representative Rogers
Nancy Lee

Mark Baumgartner
S.R. 20810
Fairbanks, AK 99701

Mr. Mark Wittow
Alaska State Legislature
727 N Street
Anchorage, Alaska 99501

1 October

Dear Mark:

Just a brief note to inform you that I appreciate the fact that you and Brian have considered the Federation into your plans for the Susitna study. Personally, I am anxious to work on the project. I hope you will have a contract drawn up soon.

I hope, too, that you, me, Brian and Rich Seifert can get together before the research begins, so that we can go over together what the study will involve and precisely what attitude the Susitna committee wants to assume in presenting the information.

Also, can you please send to me a copy of the chapter on conservation from the Harvard study. I believe that's the one you had in your possession when you were last in Fairbanks.

I look forward to hearing from you soon.

Sincerely,

Mark
Mark Baumgartner

ALASKA POWER AUTHORITY

333 WEST 4th AVENUE - SUITE 31 - ANCHORAGE, ALASKA 99501

Phone: (907) 277-7641
(907) 276-2715

August 29, 1979

The Honorable Brian Rogers
Alaska State Legislature
Post Office Box K
College Branch, Fairbanks, Alaska 99708

Dear Representative Rogers:

As you know, the Alaska Power Authority is in the process of developing a non-federal approach to detailed investigations of the Susitna Hydroelectric Project. This method of proceeding with the project is an alternative to using the Corps of Engineers in a cooperative state/federal program as provided for in Section 203 of the Alaska Hydroelectric Development Act of 1976. Ability to use the Corps is contingent on federal legislation being considered at this time.

Regardless of whether or not the federal/state cooperative program is available, an alternative state sponsored program leading to a Federal Energy Regulatory Commission license is being planned. To this end, the Power Authority requested statements of qualifications from fourteen nationally renowned engineering firms. Eleven firms responded, from which three were selected for further evaluation. Each of the three has been given the assignment of preparing a plan of study outlining the activities, budget, and coordinating mechanisms necessary to fully assess project feasibility and to apply for a FERC license. A copy of the Request for Proposal is attached.

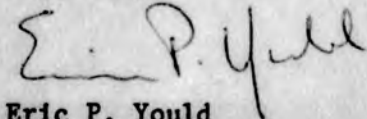
The three competing proposals will be submitted to the Power Authority by September 11, 1979. At the same time, we have requested that the firms also provide you a copy. Your review of the three proposals would be very much appreciated. The proposals will be orally presented by the engineering firms on September 27 and 28 in Anchorage. I invite you to join the Power Authority for these presentations and encourage you to come prepared to question the engineers on their proposals. I also invite you to submit written comments by September 28 to assist us in our evaluation of the competing firms.

The Power Authority Board of Directors will then select a single firm to finalize a proposal. During the latter part of October, the Governor will consider the Power Authority's recommendation of using either the Corps of Engineers under Section 203 or an alternative private engineering firm to conduct the detailed investigations. The investigations will begin in December 1979.

The Honorable Brian Rogers
August 29, 1979
Page Two

You can expect to receive the three proposals during the second week of September. I will notify you of the exact time and place of the oral presentations.

Sincerely,

A handwritten signature in dark ink, appearing to read "Eric P. Yould". The signature is fluid and cursive, with a large initial "E" and a long, sweeping underline.

Eric P. Yould
Executive Director

cc: Governor Hammond
Each Board Member

JAY S. HAMMOND
GOVERNOR



STATE OF ALASKA
OFFICE OF THE GOVERNOR
JUNEAU

*Susitna
Corresp.*

August 8, 1979

Mr. John Adams
Executive Director
Fairbanks Environmental Center
218 Driveway
Fairbanks, AK 99701

Dear Mr. Adams:

Thank you for your recent letter regarding the proposed independent study of the Susitna hydro-power study.

While your idea of allowing the Alaska Council on Science and Technology to undertake such a study in lieu of the now defunct Legislative Affairs Research Division has merit, I have no control over funds appropriated to the Legislature. I will forward a copy of your letter and my response to Senator George Hohman, Chairman of the Council for his consideration.

Thank you for your advice.

Sincerely,

Jay S. Hammond
Governor

Enclosure

cc: / Senator George Hohman
/ Senator Glenn Hackney
✓ Representative Brian Rogers
Representative Sally Smith
Representative Joseph McKinnon
Representative Terry Gardiner
Neil Davis, Chairman, ACST
Frances Ulmer, DPDP
Chris Noah, ACST
Eric Yould, APA
Keith Specking



FAIRBANKS ENVIRONMENTAL CENTER

218 Driveway
Fairbanks, Alaska 99701
(907) 452-5021

July 30, 1979

Governor Jay S. Hammond
OFFICE OF THE GOVERNOR
Pouch A
Juneau, Alaska
99811

RECEIVED
AUG - 6 1979
GOVERNOR'S OFFICE

Dear Governor Hammond:

As you know, last session the Legislature appropriated (in HCSSB 63) \$200,000 to the Legislative Affairs Agency Division of Research Services to conduct an independent study of population trends, energy demand projections and alternatives to the proposed Susitna hydro-power project.

Since the Division of Research Services has been de-commissioned during the interim, we are concerned about the status of this study. In view of the magnitude of the Susitna project and its far-reaching implications for the majority of Alaskans, it is clearly in the public interest to conduct the independent study in a timely, professional manner.

It is our understanding that the future of the independent study will be determined by the Legislative Council, when it meets during the special session. We suggest that direction of this study, including awarding of contracts, be delegated to the Alaska Council on Science and Technology (ACST).

The ACST is composed of prominent Alaskan scientists who are highly-qualified to see that the independent study is conducted from a critical, yet objective, perspective.

We appreciate your careful consideration of this recommendation.

Very Sincerely,

John Adams
John Adams
Executive Director

Respectfully,

Glenn Patrick Juday
Vice-President, Alaska
Conservation Society

Copies to:

Eric Yould - APA
Rep. Brian Rogers
Rep. Sally Smith

Rep. Joe McKinnon

Fran Ulmer - DPDP
'Gateway to the Arctic'

(100% Recycled Paper)

Christopher Noah -
ACST

Sen. Glenn Hackney
Rep. Fred Brown
Rep. Terry Gardiner

STATE OF ALASKA

DEPT. OF ENVIRONMENTAL CONSERVATION

Susitna.
cm
JAY S. HAMMOND, GOVERNOR

POUCH 0 - JUNEAU 90011

September 25, 1979

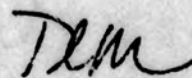
Honorable Brian Rogers
Box K - College
Fairbanks, Alaska 99708

Dear Brian:

We have received a copy of your September 11, 1979 letter to Governor Hammond concerning the Susitna project. This Department has also begun to focus on the project and alternatives to it. Our primary contact within the Department is Dave Sturdevant. It would be helpful to us if Dave could monitor the progress of your studies, and perhaps helpful to you to share some of our current thinking. I have asked Dave to contact you.

Thank you for your concern for this project.

Sincerely,



C. Deming Cowles
Deputy Commissioner

cc: Mr. Sturdevant
Mr. Waldrop

HOMER NEWS

May 25, 1979

Gregg Erickson
Director of Research, Legislative Affairs Agency
Pouch Y
Juneau, Alaska 99811



Dear Gregg:

Representative Brian Rogers has asked me to submit the following comments and research requests to you.

1. On the Susitna Alternatives Study (SB 63)

We have reviewed your memo of May 11, and feel that a major focus of the study should be an analysis of the end uses of energy in the state. What types of uses are behind the demand figures? Demand should be broken out into the following categories: Heat--home and commercial

Heat--high temperature (industrial processes)

Transportation--(liquid fuel)commuter, commercial and freight

Other--appliances, lights, etc.

The study should examine the various ways of meeting these demands, and the efficiency of those ways. "Soft" energy forms should be examined and reviewed--what demands could be met by solar power, wind power, ~~tidal~~ tidal power, geothermal power, etc?

We would also like to have the base assumptions of the ISER and the Batelle studies reviewed. Do they imply an unlivable environment? If the population of Fairbanks increases according to their projections, with a similar increase in energy use, would the resulting ice fog render the downtown area uninhabitable? Or, what social and environmental effects can be expected given the energy use projections of the studies? These are speculative questions, but they deserve consideration.

2. Water Flooding for the Prudhoe Bay Reservoir (rese-rch request)

A water flooding project for the reservoir could result in the additional production of one-five billion barrels of oil. We would like to be kept informed of the results of the current study of reservoir dynamics, and would like some additional questions covered.

a. a general explanation of water flooding, and its possible effect on the Prudhoe reservoir.

b. possible scenarios and timelines for a water flooding project.

c. employment and other economic benefits to the state that would result from a water flooding project.

d. the ways available to the state for facilitating such a project.

e. the topics under review in the current study.

P.O. BOX 254 HOMER, ALASKA 99603 (907) 235-8925

see
above

3. Literature Search--Experiences of Other Governments with Oil Development.

A bibliography, with a sentence or two about ^{each} ~~the~~ work, covering issues such as Petro Canada, the Ecuadorian pipeline, North Sea oil development, OPEC and company histories.

Requests two and three above are in preparation for work that will be undertaken by the House Interim Committee on Leasing Policy, and should be completed by early September.

Representative Rogers is also interested in obtaining ^a copy or two of the annual report of Petro Canada, and would appreciate it if you could ^{get} ~~get~~ them.

Please let me know if you have any questions. I can be reached at the box number above, or you can leave a phone message at 235-8925/8420 for me. I will be in Anchorage for several days in the first couple weeks of June, working with the Leasing Policy committee.

Thank you, and have a good summer.

Mark Wittow

cc: Representative Brian Rogers



Greater Fairbanks

Member

U. S. Chamber of Commerce
Alaska State Chamber of Commerce
Pacific Northwest Trade Ass'n.
National Better Business Bureau

550 First Avenue

March 15, 1979

Rep. Brian Rogers
Pouch V
Juneau, AK 99811

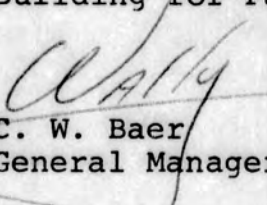
Dear Brian:

Attached hereto you will find a copy of a resolution adopted by the Board of Directors of the Greater Fairbanks Chamber of Commerce relative to the Susitna Hydroelectric project.

This resolution addresses the problem in the light of the recent IRS ruling which will require funding from the General Fund in order to keep the project moving in a timely manner.

We feel that this is a very important project and we would appreciate your consideration in the matter.

Building for Fairbanks' future,


C. W. Baer
General Manager

CWB:elw
Enclosure

Hold -
No
answer



RESOLUTION

A RESOLUTION IN SUPPORT OF FUNDING A
FEASIBILITY ASSESSMENT OF THE SUSITNA
HYDROELECTRIC PROJECT..

WHEREAS, the Susitna Hydroelectric Project is of great importance to all of Alaska; and

WHEREAS, a Feasibility Analysis of the Susitna Hydroelectric Project is necessary; and

WHEREAS, the Corps of Engineers have done an environmental assessment of a feasibility study of this magnitude and scope; and

WHEREAS, the overland movement of equipment and materials will be accomplished during the winter months; and

WHEREAS, this proposed work would not have a serious impact on the land or environment in any area of the Susitna Basin; and

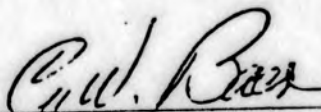
WHEREAS, a joint Senate/House public hearing in Fairbanks is requested; and

WHEREAS, funding should be provided from the General Fund to be refunded through bonded capitalization of the project:

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Greater Fairbanks Chamber of Commerce support the granting of permits and funding from general revenues by the Alaska Power Authority to allow exploratory work necessary to conduct the project feasibility assessment.

PASSED AND APPROVED THIS 14th DAY OF MARCH, 1979.

Attest:


C. W. Baer
General Manager


Wallace Burnett
President

ARRC

ALASKA RENEWABLE RESOURCES CORPORATION

BOX 1647

•

JUNEAU, ALASKA 99802

•

(907) 465-4616

October 12, 1979

Co-Evolution Quarterly
Box 428
Sausalito, California 94965

Re: Joe Upton; Boat

Dear Sir:

I enjoyed reading your article in the Fall 1979 issue entitled Future Shock in the Fishing Business. What interested me most is Joe Upton's boat with wood fueled steam power.

I would appreciate knowing Joe Upton's current address so that we might write and inquire about more thoughts on this matter.

Thanks for your assistance.

Sincerely,

J.N. Milnes

J.N. Milnes
Trustee

JNM/vr

cc: ~~Brian~~ Rogers



Susitna

Alaska State Legislature House of Representatives

December 3, 1979

POUCH V
JUNEAU, ALASKA 99811
OFFICIAL BUSINESS

Glenda J. Straube
Administrative Aide
House Power Alternatives
Study Committee
610F Gruening Building
University of Alaska
Fairbanks, Alaska 99701

Dear Glenda,

Thank you for the copies of the contracts lead by the Power Alternative Study Committee. I see that some of the results are due on, or about January 1, 1980 and other results are due by the end of that month.

As you are aware, the Revewable Energy Policy Committee is working with the National Conference of State Legislators on renewable energy issues. NCSL is initially dealing with hydro-electric and geothermal. Those are the areas.

However, Ken Rosenstein and I are researching two other important factors, which you may be able to provide information on. Those are: (1) Solar legislation of priority nature; and (2) Tax credits and other types of incentives for residential, commercial and industrial application of energy conservation, weatherization, and small-scale renewable energy installation.

Any assistance your contractors might be able to provide toward the solar or incentive issues would be especially appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Bob Speed".

Bob Speed,
Administrative Assistant

BS/sf

SUSITNA POWER NOW !

Lee Wareham, Co-Chairman
200 Gaffney Road
Fairbanks, Alaska 99701
907/452-2257

December 27, 1979

The Honorable Brian Rogers
P.O. Box K
College, Alaska 99708

The Honorable Rogers:

On January 4th, 1980 at 1:30 p.m. in the Anchorage Westward Hilton, Susitna Power Now! will reconvene for the purpose of electing officers, finalizing the organizational structure and laying out specific near and long term goals.

You are invited to participate in that meeting and to bring to it recommendations and ideas.

The agenda will consist of:

1. Opening remarks.
2. Election of officers and other corporate matters.
3. Establishment of general membership criteria philosophy and dues structure.
4. Setting of specific immediate and long term goals.
5. Scheduling of next meeting and general topics to be covered.

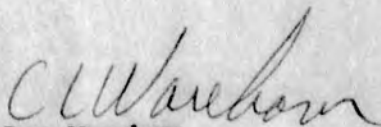
Enclosed is a preliminary fact sheet summarizing technical data relevant to the Susitna Power project. More detailed information will be made available later.

Our initial meeting got us off to a good start. With your help and support, we'll build on that beginning and ensure the Sustina project moves ahead as rapidly as engineering, economic, and political reality allow.

Please make it a point to be there.

Sincerely,

Bob Penny
Co-Chairman


Lee Wareham
Co-Chairman

SUSITNA HYDROPOWER PROJECT

Pertinent Data

Location	<u>Watana</u>	<u>Devil Canyon</u>
	River Mile 165 (2 mi. upstream from DC pool head)	River Mile 134 (14.5 mi. from Gold Creek)
Type Construction	Earthfill	Concrete, thin-arch
Height, feet	810	635
Crest Length, feet	3,450	2,475
Design Earthquake Richter Scale	8.5	8.5
Water surface area (full pool), acres	43,000	7,550
Average Annual Estimated Drawdown, feet	100	5
Reservoir Length (river miles inundated)	54+	28
Firm Annual Energy BkwHrs	3.1	3.0
Secondary Production for 2-dam system, annually BkwHrs	0.44	0.36
Access Road, miles	37	27
Reservoir Storage Loss-Sedimentation, per 100 years (combination)	4.2 percent	6.5 percent

TRANSMISSION SYSTEM

	<u>To Anchorage</u>	<u>To Fairbanks</u>
Two-single Circuit Lines	136 miles 345 KV	198 miles 230 KV

COSTS

Total Project Costs
January 1979 Dollars

\$2,590,000,000



December 28, 1979

We are not sure exactly how we are trying to accomplish what we think we want to do, but a group of Anchorage and Fairbanks citizens are really going to explore the feasibility of building the Susitna Dams now.

We would be honored and pleased if you could stop by and see how we are doing with our first organizational meeting this Friday, January 4th, at 1:30 p.m. at the Anchorage Westward Hilton in the Trattoria Room.

Sincerely,

SUSITNA POWER, NOW!

Bob Penney
Robert C. Penney
Acting Co-Chairman

RCP/mb

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

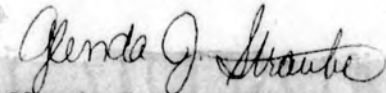
January 3, 1980

TO ALL CONSULTANTS AND INTERESTED PARTIES:

In November, you were sent mailing labels of consultants and other people working with or interested in the activities of the House Power Alternatives Study Committee. You were requested to send copies of reports to everyone on these labels. However, the name of Gregg Erickson was inadvertently omitted. You should send copies of your reports to Gregg at 316-B Coleman Drive, Juneau, Alaska 99801.

Any future correspondence with the committee should be sent: c/o Rep. Brian Rogers, Pouch V, Juneau, Alaska 99811. Also, Rep. Rogers or Mark Wittow, aide to the committee, can be reached at 465-4925.

Sincerely,



Glenda J. Straube
Administrative Aide

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
ANCHORAGE, AK 99501

MARK FRYER
1709 S. BRAGAW, SUITE F
ANCHORAGE, AK 99504

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

SCOTT GOLDSMITH
707 A. STREET, SUITE 206
ANCHORAGE, ALASKA 99501

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

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

BRADFORD TUCK
1822 CINDYLEE LANE
ANCHORAGE, AK 99507

JAMIE LOVE
ERIC MYERS
P. O. BOX 1091
ANCHORAGE, AK 99510

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

CHRIS CONWAY
ROBERT CROW
c/o ENERGY PROBE
12 MADISON AVE.
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, ALASKA 99701

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

REP. HUGH MALONE
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
ANCHORAGE, AK 99501

MARK FRYER
1709 S. BRAGAW, SUITE F
ANCHORAGE, AK 99504

25 February 1980

Mr. Mark Wittow
c/o Representatives Hugh Malone & Brian Rogers
Alaska State Legislature
Pouch V
Juneau, Alaska 99811

Dear Mark:

In response to our initial conversation and subsequent conversations, you have had with Lois Kramer, this letter proposes an amendment to the existing contract between Arlon R. Tussing & Associates, Inc. and the Legislative Affairs Agency concerning alternatives to the Susitna Project;

Section I. Statement of Work (Amended)

Contractor will add an additional task to the scope of work as follows:

5. Examine and evaluate how effectively the plan of study prepared by Acres American Incorporated for the proposed Susitna Hydroelectric Project addresses the following issues:
- a. Possibilities for conservation through load management due to increased load factors; involvement of regulatory agencies and existing utilities;
 - b. Determination of plant mix and necessary reserve margins;
 - c. Anticipated retirement of existing capacity and its effects on system capacity and facility planning;
 - d. Need for generation and transmission system reliability, establishing appropriate and compatible standards; and
 - e. Effect of interest and discount rates on project costs.

Given that the Acres plan of study is a point of departure rather than a final report, the contractor will also discuss these issues in terms of their probable importance to decisions concerning electric power generation in the Railbelt during the next 20 years. As relevant, recent case histories, such as the Churchill Falls project, will also be examined.

likely
Cost
overruns

Mr. Mark Wittow
25 February 1980
Page Two

Section II. Period and Dates of Performance (Amended)

- D. Contractor shall submit a review draft of the report described in amended section 7 (A) to the Project Director not later than 15 April 1980 and a final photo ready version not later than three weeks after receiving comments from the Project Director.

Section IV. Compensation & Method of Payment (Amended)

- A. The contractor shall be compensated at the following rates for the time and effort of professional personnel; provided, however, that not more than eight hours shall be chargeable for the effort of any one person in any 24 hour period:

Arlon R. Tussing	\$85.00 Per hour
Lois S. Kramer	\$50.00 Per hour

All other sections of the contract will stand as agreed.
Please let me know what you think.

Very truly yours,

Arlon R. Tussing

(e) up to ~~7,000~~

20,000



the National Center for Appropriate Technology

P.O. Box 3030 Butte, Montana 59701 (406) 494-4572

FEB 6 1980

January 22, 1980

MARK WITTOW
Study Coordinator
c/o Rep. Brian Rogers
Box K - College
Fairbanks, Alaska 99708

Dear Mark,

Thank you for your letter of October 29, 1979, subsequent to your visit here. I have delayed in answering pending the reprinting of many of our publications and technical documents -- which, unfortunately has not been completed as yet. I will, however, send you a complete packet of information within the next three weeks or so (hopefully).

I do hope that the people of Alaska can use our services, and should we be of any further help in your work, please let us know.

Sincerely,

SHERRY EISENBART
Administrative Coordinator
Research & Development Division

Kindes
Mar/2501

B/24-6
Energy Technology
Conference
D.L.

ARLON R. TUSSING & ASSOCIATES / 880 H St., Suite No. 210, Anchorage, Alaska 99501

4 January, 1980

Representative Brian Rogers
Box K
College, Alaska 99708

Dear Brian:

Here is a copy of our first report, " . . . on the electric utility industry currently serving the Railbelt area of Alaska; the state and federal government agencies that promote, plan, and regulate the generation and distribution of electricity in Alaska; the history and status of the proposed Susitna hydroelectric project; and related topics."

As we stated in our proposal, and as the contract provided, the paper is "a background document for legislative staff, [etc.] . . . and is not intended for public distribution in its present form." I believe, however, that it meets the specification in the proposal and contract that it be "brief, concise, and easily understood by non-specialists."

I plan to include the same material in perfected and annotated form in the main report, so whatever is of value here will not be lost to the larger audience.

The research and writing for this paper overlapped that required for our other report so much that it is meaningless to try to segregate them strictly. For this reason, I shall shortly send you a statement covering the first \$5,000 in effort on the two projects together, in the form of a statement reflecting effort on this project alone.

Very truly yours,



Arlon R. Tussing

enclosure

cc: Hugh Malone
Lois Kramer

*Suggested year's subscription to Hold That Line

PRICE LIST OF ITEMS AVAILABLE FROM GASP

\$5

BUMPERSTICKERS - 75¢

NO POWERLINE - white on deep blue

DECENTRALIZE ENERGY - red on white

FARMLAND FOR FOOD - picturing crossed out tower, red or blue on white

UNSAFE-UGLY - picturing cobweb of powerlines, blue on white, or red on white

BUTTONS

IF YOU KILL OUR FARMS YOUR CITIES WILL DIE - picturing crossed-out tower, red on white - \$1

QUESTION AUTHORITY - white on blue - 50¢

USE ALTERNATIVE ENERGY - red lettering on yellow, picture of hand reaching up to sun with mountains in background outlined in brown - 50¢

RECORDS

POPE COUNTY BLUES - by Larry Long - \$1

(I) LITERATURE - ISSUES, BACKGROUND ON STRUGGLE

THE POWERLINE WILL AFFECT YOU - a summary of issues on cost, need, health and history - 75¢

MAPP & THE CU PROJECT - the scoop on the Mid-Continental Area Power Pool and why it affects the need for this line and others - 50¢

POWERGATE - covers the legal cover-ups in the history of the powerline - 50¢

POWERLINE! - our newest piece, focuses on mismanagement/rate hikes as well as health and safety - 75¢

(II) LITERATURE - DOCUMENTS & PUBLICATIONS DONE BY OTHERS

CONFRONTATION ON THE PRAIRIE - a reprint article from the Progressive, Dec. 1977, giving an overview of early history on the powerline controversy - 25¢

NORTH AMERICAN COAL CAPER - a transcript of a speech given by the head of North American Coal Co. to UPA/CPA, clearly exposing rational behind energy exploitation - \$2

NOTES ON UPA OR CPA FROM THE REA FILES IN WASHINGTON D.C. - many interesting tidbits on either co-op from the folks who finance them - \$2 each

EXCERPTS FROM THE BARRY REPORT - an independent firm citing mismanagement - \$2

(III) LITERATURE - HEALTH & SAFETY

ELECTROMAGNETIC POLLUTION - by Becker & Marino, a summary of health hazards - 25¢

THE KILLER ELECTRIC - by Ponte, an overview of a number of pollutants the government is well aware of and endorses - 50¢

EFFECTS OF EHV LINES ON CATTLE REPRODUCTION - written by a farmer in Wisconsin the effects of a 345kV line on his cattle - 50¢

ELECTRICAL WIRING CONFIGURATIONS & CHILDHOOD CANCER - a study done in the Denver area - \$2

EFFECTS OF COAL PLANTS - we have 4 different publications on this issue, each of medium length, they are 50¢ a piece

EFFECTS OF EXTREMELY HIGH VOLTAGE TRANSMISSION - by Louise B. Young, submitted to the EPA - \$1

ENVIRONMENTAL PROBLEMS IN EXTRA HIGH VOLTAGE TRANSMISSION - also by Louise B. Young, an overview - 75¢

BECKER BEFORE THE N.Y. PSC - testimony on ill health effects of high voltage lines - \$2

ELECTROMAGNETIC FIELDS & LIFE - by A.S. Presman, a reprint of the lengthy introduction to his book of the same name - \$1.50

(IV) LITERATURE - INDUSTRY VERSIONS OF HEALTH EFFECTS

BIOLOGICAL EFFECTS OF STATIC & LOW-FREQUENCY ELECTROMAGNETIC FIELDS - by the Electric Power Research Institute - \$2

EPRI'S RESEARCH PROGRAM ON BIOLOGICAL EFFECTS OF ELECTRIC FIELDS - by Kronberg - 75¢

STUDY IN THE USSR OF MEDICAL EFFECTS OF ELECTRIC FIELDS ON ELECTRIC POWER SYSTEMS - a commentary by America's Power & Environmental Sciences Committee on russian studies regarding health - \$2

*****Send all orders to Hold That Line - Box 5, Lowry, Mn 56349. Please add on 15% for packet orders & appropriate postage for those only requiring an envelope. Bulk rates are available upon request. Thank you!

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

* JED - MARK BRUNNGARTNER 312 20810 F-bnx 99701 479 3622

SIM VANDERBYN Box F Thurness 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

* ISEB - 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

* 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 OILKINUMAM, AK. 99576

Mark Wiltow 5493 Sampson Dr. Grand, Ohio 44200

Jim Rhoads

Jim Rhoads 707 N. St. Suite 2 99501

Joe L. Brown 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

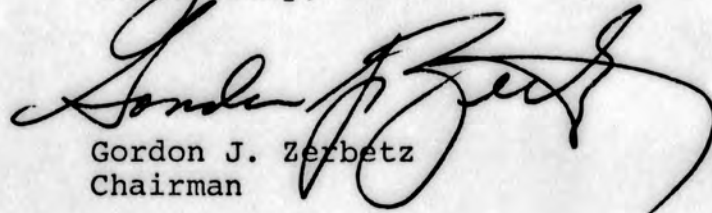
Oliver Scott Goldsmith
Assistant Professor of Economics
Institute of Social and Economic
Research
University of Alaska
707 A Street, Suite 206
Anchorage, Alaska 99501

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
ANCHORAGE, AK 99501

MARK FRYER
1709 S. BRAGAW, SUITE F
ANCHORAGE, AK 99504

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

SCOTT GOLDSMITH
707 A. STREET, SUITE 206
ANCHORAGE, ALASKA 99501

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

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

BRADFORD TUCK
1822 CINDYLEE LANE
ANCHORAGE, AK 99507

JAMIE LOVE
ERIC MYERS
P. O. BOX 1091
ANCHORAGE, AK 99510

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

CHRIS CONWAY
ROBERT CROW
c/o ENERGY PROBE
12 MADISON AVE.
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, ALASKA 99701

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

REP. HUGH MALONE
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
ANCHORAGE, AK 99501

MARK FRYER
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

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.
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)	10,500.
<u>Travel</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.

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 Role	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

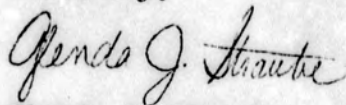
Pat Costello
Accounting
Legislative Affairs Agency
Pouch Y - State Capitol
Juneau, Alaska 99811

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, 19 80
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	