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SUSITNA HYDROELECTRIC PROJECT

TASK 12 - PUBLIC AND AGENCY PARTICIPATION

SUBTASK 12.03

AGENCY CONSULTATION

MARCH 1982

Prepared by:



ALASKA POWER AUTHORITY

TK
1425
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A68

NO. 1438

SUSITNA HYDROELECTRIC PROJECT

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U.S. Department of the Interior

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ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

AGENCY CONSULTATION REPORT

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AGENCY CONSULTATION REPORT

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AGENCY CONSULTATION REPORT

This report describes the various processes utilized and committees established to provide agency input into the studies and discussions associated with the Susitna Hydroelectric Project. This agency consultation and resulting agency input was requested and provided on both an informal and formal basis as described below. For a discussion of general public participation in the project, refer to Appendix D of the Feasibility Report.

In addition to this agency consultation described, a large number of agencies were contacted for information during the preparation of the environmental report. The list of these agencies is included as Appendix A.

1 - ORGANIZATION OF CONSULTATION PROGRAM

Consultation with the regulatory agencies was conducted on both a formal and informal basis as described below. Formal consultation was conducted with the agencies as required by the regulations of the Federal Energy Regulatory Commission (FERC) and was done primarily via correspondence. Informal consultation was done primarily via numerous meetings and was conducted to provide an information flow between the Alaska Power Authority (APA), its consultants, and the agencies to insure agency input into project planning and decisions making.

1.1 - Formal Consultation

(a) Regulatory Requirements

The FERC regulations pertaining to applications for license under Part I of the Federal Power Act require in 18 CFR Part 4, Subpart E, Section 4.41, that applicants for licenses consult with local, state, and federal natural resource agencies prior to filing of their license application. Accordingly, the Alaska Power Authority (Power Authority) formulated a plan to consult with these agencies.

The process utilized by the Power Authority was based upon circulation of reports on the various aspects of the projects to the agencies and a written request for agency comments. The reports circulated were interim reports in specific study areas (fisheries, wildlife, etc.) as discussed below, as well as planning decision reports (access road, transmission line corridors, etc.). In addition, prior to initiation of project studies, the Plan of Study and revisions were circulated. Finally, results of the fish and wildlife mitigation efforts were circulated under this formal program via meetings and correspondence with the Fish and Wildlife Mitigation Review Group.

(b) Organization

The organization and implementation of the Formal Agency Coordination Program has been a dynamic process modified because of agency input. The

original organization is explained below, followed by an explanation of the revised organization.

(i) Original Organization

- Agency Groups

Subject areas for coordination were selected based upon those required by the FERC regulations. These were water quality and use; fish, wildlife, and botanical; historical and archaeological; recreation; aesthetics; and land use. State, federal, and local agencies having jurisdiction over resources in each of these subject areas were then placed in the appropriate group of agencies which would receive reports concerning these subjects. A general category was also added to include agency involvement with policy decisions. Table 1.1 lists the agencies originally included in each of these groups.

- Reports Circulated

A list of the reports and the groups to which they were sent appears in Table 1.2. Because of overlapping jurisdictions (one agency present in more than one group), several agencies received reports on different subjects. Table 1.3 lists by agency the reports received.

(ii) Revised Organization

Initial circulation of these reports resulted in feedback from the agencies concerning the organization of the formal agency coordination program. Following several meetings between the Power Authority and the agencies, the program was revised. The revisions included:

- An expansion of the number of groups;
- An expansion of the number of agencies within each group; and
- A decrease in the number of reports for which formal comments were requested and, instead, simply providing reports for information as backup documents to reports on which comments were requested.

Table 1.4 lists the revised subject groups and the agencies within each group. Table 1.5 lists the reports to be received by each group, and Table 1.6 reports date circulated and purpose (information or comment). This revised program exceeds the consultation required by FERC but was implemented to insure that all agencies received adequate information.

(c) Fish and Wildlife Mitigation Review Group

Throughout the Susitna Hydroelectric Project studies, technical mitigation planning has been conducted by the Power Authority and its consultants to reduce impacts to fish and wildlife resources. To insure agency input into this process, a Fish and Wildlife Mitigation Review Group was established. The purpose of this group was to review fish and wildlife mitigation options presented to them and provide comments on priority and practicality of their options. Agencies invited to be on this committee and those who accepted are listed in Table 1.9.

1.2 - Informal Consultation via the Steering Committee

The Susitna Hydroelectric Project Steering Committee was established in 1980 as a mechanism to insure agency interaction in project progress and decision making. The first meeting was held in July 1980 and meetings continue to date. Originally envisioned as a formal process, it was decided the committee would function as an informal body with official agency comment addressed via the Formal Agency Coordination Program.

The committee consists of representatives of state and federal agencies as listed in Table 1.7. Table 1.8 lists the dates of meetings between the Power Authority and the Steering Committee and the purpose of these meetings.

1.3 - Authorities Contacted

Appendix A of this report lists individuals from federal, state, and local agencies as well as other institutions and organizations who were contacted regarding the Susitna Hydroelectric Project Environmental Studies Program. These individuals were consulted between October 1, 1979, and January 15, 1982. Arranged by environmental report section, the names listed include:

- (a) Those contacts made by TES and/or TES subcontractors for input related specifically to that report section;
- (b) Those contacts made by TES and/or TES subcontractors, the information from which, while pertinent to a different environmental report section, was also applicable to the section in question; and
- (c) Contacts made by TES, TES subcontractors, Acres, or the Power Authority applicable to the Susitna Environmental studies in general.

The nature of these contacts range from requests for data to inquiries concerning the environmental studies procedures. These lists are not intended to include those contacts made with other members of the Environmental Studies Team, although some project personnel are listed because of the capacity in which they were consulted.

1.4 - Correspondence

Appendix B contains correspondence with the resource agencies that has occurred during the course of the study. This correspondence appears in chronological order and is divided into four sections:

- Formal Agency Coordination Correspondence;
- Fish and Wildlife Mitigation Review Group Correspondence;
- Steering Committee Correspondence; and
- Miscellaneous Correspondence.

TABLE 1.1: FORMAL AGENCY COORDINATION LIST (ORIGINAL)

Water Quality and Use Group

Mr. John Katz
Alaska Department of Natural Resources
Pouch M
Juneau, Alaska 99811

cc: Mr. Alan Carson
Division of Natural Resources
Alaska Department of Natural
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Pouch 7-005
Anchorage, Alaska 99510

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District Engineer
Alaska District
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Regional Administrator
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Seattle, Washington 98101

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U.S. Environmental Protection
Agency
Mail Stop 443
Region X EPA
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Seattle, Washington 98101

Fish, Wildlife, and Botanical Group

Mr. Robert McVey
Director, Alaska Region
National Marine Fisheries Service
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P.O. Box 1668
Juneau, Alaska 99802

cc: Mr. Ron Morris
Director
Anchorage Field Office
National Marine Fisheries
Service
701 C Street, Box 43
Anchorage, Alaska 99513

Mr. Ernest W. Mueller
Commissioner
Alaska Department of Environmental
Conservation
Pouch O
Juneau, Alaska 99801

Mr. Keith Schreiner
Regional Director, Region 7
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1011 East Tudor Road
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Mr. Ronald O. Skoog
Commissioner
State of Alaska Department of Fish and Game
Support Building
Juneau, Alaska 99801

cc: Mr. Thomas Trent
State of Alaska
Department of Fish and Game
2207 Shepard Road
Anchorage, Alaska 99502

TABLE 1.1 (Cont'd)

Historical and Archeological Group

Mr. John E. Cook
Acting Regional Director
Alaska Office
National Park Service
540 West Fifth Avenue
Anchorage, Alaska 99501

cc: Mr. Larry Wright
National Park Service
1011 East Tudor Road
Suite 297
Anchorage, Alaska 99503

Ms. Lee McAnerney
Department of Community and Regional Affairs
Pouch B
Juneau, Alaska 99811

Mr. Robert Shaw
State Historic Preservation Officer
Alaska Department of Natural Resources
Division of Parks
619 Warehouse Avenue, Suite 210
Anchorage, Alaska 99501

cc: Mr. Alan Carson
Division of Natural Resources
Alaska Department of Natural
Resources
Pouch 7-005
Anchorage, Alaska 99510

Recreation Group

Mr. John E. Cook
Acting Regional Director
Alaska Office
National Park Service
540 West Fifth Avenue
Anchorage, Alaska 99501

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National Park Service
1011 East Tudor Road
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Division of Natural Resources
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Anchorage, Alaska 99510

Mr. Lee Wyatt
Planning Director
Matanuska-Susitna Borough
Box 8
Palmer, Alaska 99645

Aesthetics and Land Use Group

Mr. Roy Huhndorf
President
Cook Inlet Region, Incorporated
P.O. Drawer 4N
Anchorage, Alaska 99509

Mr. John Katz
Alaska Department of Natural Resources
Pouch M
Juneau, Alaska 99811

cc: Mr. Alan Carson
Division of Natural Resources
Alaska Department of Natural
Resources
Pouch 7-005
Anchorage, Alaska 99510

TABLE 1.1 (Cont'd)

Aesthetics and Land Use Group (cont'd)

Mr. John Rego
Bureau of Land Management
Anchorage District Office
4700 East 72nd Avenue
Anchorage, Alaska 99507

General

Ms. Wendy Wolt
Office of Coastal Management
Division of Policy Development and Planning
Pouch AP
Juneau, Alaska 99811

TABLE 1.2: ORIGINAL LIST OF REPORTS AND GROUPS TO
WHICH REPORTS WERE/WERE TO BE SENT

| <u>Report</u> | <u>Group</u> |
|---------------------------------------------|--------------|
| Plan of Study and Plan of Study Revisions | A11 |
| Development Selection Report | A11 |
| 1980 Annual Environmental Summary Report | A11 |
| 1980 Annual Reports | |
| Fish Ecology | FWB |
| Big Game | FWB |
| Birds and Non-Game Mammals | FWB |
| Furbearers | FWB |
| Plant Ecology | FWB |
| Land Use | ALU |
| Socioeconomics | HA |
| Cultural Resources | HA |
| Recreation | R |
| Instream Flow Study Plan | WQ, FWB, G |
| Transmission Line Corridor Screening Report | A11 |
| Fish and Wildlife Mitigation Policy | FWB |
| Feasibility Report | A11 |
| 1981 Final Phase I Reports | A11 |

FWB = Fish, Wildlife, and Botanical
 ALU = Aesthetics, Land Use
 HA = Historic and Archaeological
 R = Recreation
 WQ = Water Quality
 G = General

TABLE 1.3: ORIGINAL LIST OF AGENCIES AND
REPORTS RECEIVED (TO BE RECEIVED)

| <u>Agency</u> | <u>Report</u> |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alaska Department of Natural Resources | Plan of Study Plan of Study Revisions Development Selection Report 1980 Annual Environmental Summary Report Instream Flow Study Plan 1980 Socioeconomic Annual Report 1980 Cultural Resources Annual Report 1980 Land Use Annual Report 1980 Recreation Annual Report Transmission Line Corridor Screening Report Fish and Wildlife Mitigation Policy Feasibility Report Final Phase I Reports |
| Alaska Department of Fish and Game | Plan of Study and Plan of Study Revisions Development Selection Report 1980 Annual Environmental Summary Report Instream Flow Study Plan 1980 Fish Ecology Annual Report 1980 Big Game Annual Report 1980 Birds and Non-Game Mammals Annual Report 1980 Furbearers Report 1980 Plant Ecology Report Transmission Line Corridor Screening Report Fish and Wildlife Mitigation Policy Feasibility Report Final Subtask Reports |
| Alaska Department of Environmental Conservation | Plan of Study Plan of Study Revisions Development Selection Report 1980 Annual Environmental Summary Report Instream Flow Study Plan 1980 Fish Ecology Annual Report 1980 Big Game Annual Report 1980 Birds and Non-Game Mammals Annual Report 1980 Furbearers Report 1980 Plant Ecology Report Transmission Line Corridor Screening Report Fish and Wildlife Mitigation Policy Feasibility Report Final Subtask Report |
| Alaska Department of Community and Regional Affairs | Plan of Study Plan of Study Revisions Development Selection Report 1980 Annual Environmental Summary Report 1980 Socioeconomic Annual Report 1980 Cultural Resources Annual Report Transmission Line Corridor Screening Report Feasibility Report Final Subtask Reports |

TABLE 1.3 (Cont'd)

| <u>Agency</u> | <u>Report</u> |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Division of Policy Development and Planning Office of Coastal Management | Plan of Study Plan of Study Revisions Development Selection Report 1980 Annual Environmental Summary Report Instream Flow Study Report Transmission Line Corridor Screening Report Feasibility Report Final Subtask Reports |
| Mantanuska-Susitna Borough | Plan of Study Plan of Study Revisions Development Selection Report 1980 Annual Environmental Summary Report 1980 Recreation Annual Report Transmission Line Corridor Screening Report Feasibility Report Final Phase I Reports |
| Cook Inlet Region, Inc. | Plan of Study Plan of Study Revisions Development Selection Report 1980 Annual Environmental Summary Report 1980 Land Use Annual Report Transmission Line Corridor Screening Report Feasibility Report Final Phase I Reports |
| U.S. Environmental Protection Agency | Plan of Study Plan of Study Revisions Development Selection Report 1980 Annual Environmental Summary Report Instream Flow Study Plan Transmission Line Corridor Screening Report Feasibility Report 1981 Final Phase I Reports |
| U.S. Army Corps of Engineers | Plan of Study Plan of Study Revisions Development Selection Report 1980 Annual Environmental Summary Report Instream Flow Study Plan Transmission Line Corridor Screening Report Feasibility Report 1981 Final Phase I Reports |
| National Marine Fisheries Service | Plan of Study Plan of Study Revisions Development Selection Report 1980 Annual Environmental Summary Report Instream Flow Study Report 1980 Fish Ecology Annual Report 1980 Big Game Annual Report 1980 Birds and Non-Game Mammals Annual Report 1980 Furbearer Report 1980 Plant Ecology Transmission Line Corridor Screening Report Fish and Wildlife Mitigation Policy Feasibility Report 1981 Final Phase 1 Reports |

TABLE 1.3 (Cont'd)

| <u>Agency</u> | <u>Report</u> |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| U.S. Fish and Wildlife Service | Plan of Study Plan of Study Revisions Development Selection Report 1980 Annual Environmental Summary Report Instream Flow Study Plan 1980 Fish Ecology Annual Report 1980 Big Game Annual Report 1980 Birds and Non-Game Mammals Annual Report 1980 Furbearer Report 1980 Plant Ecology Report Transmission Line Corridor Screening Report Fish and Wildlife Mitigation Policy Feasibility Report 1981 Final Phase I Reports |
| National Park Service | Plan of Study Plan of Study Revisions Development Selection Report Instream Flow Study Plan 1980 Annual Environmental Summary Report 1980 Socioeconomic Annual Report 1980 Cultural Resources Annual Report 1980 Recreation Annual Report Transmission Line Corridor Screening Report Feasibility Report 1981 Final Phase I Reports |
| U.S. Bureau of Land Management | Plan of Study Plan of Study Revisions Development Selection Report Instream Flow Study Report 1980 Annual Environmental Summary Report 1980 Land Use Annual Report Transmission Line Corridor Screening Report Feasibility Report 1981 Final Phase 1 Reports |

TABLE 1.4: AGENCY COORDINATION EXPANDED LIST

Water Quality and Use Group

Mr. Max Brewer *
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Acting Regional Director
Alaska Region
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Director, Alaska Region
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Director
Anchorage Field Office
National Marine Fisheries
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Anchorage, Alaska 99513

cc: Mr. Bob Martin
Alaska Department of
Environmental Conservation
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Anchorage, Alaska 99501

cc: Mr. Lenny Corin
U.S. Fish and Wildlife Service
Western Alaska Ecological
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733 West 4th Avenue
Anchorage, Alaska 99501

cc: Mr. Thomas Trent
State of Alaska
Department of Fish and Game
2207 Spenard Road
Anchorage, Alaska 99502

* Added at the suggestion of the Susitna Hydro Steering Committee.

**Added as a result of specific agency request.

TABLE 1.4 (Cont'd)

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Recreation Group

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cc: Mr. Larry Wright
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* Added at the suggestion of the Susitna Hydro Steering Committee.

**Added as a result of specific agency request.

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Department of Fish and Game
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Anchorage, Alaska 99502

Mr. Lee Wyatt
Planning Director
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Aesthetics and Land Use Group

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Acting Regional Director
Alaska Region
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Anchorage District Office
4700 East 72nd Avenue
Anchorage, Alaska 99507

* Added at the suggestion of the Susitna Hydro Steering Committee.

**Added as the result of specific agency request.

TABLE 1.4 (Cont'd)

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Regional Director, Region 7
U.S. Fish and Wildlife Service
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Mr. Ronald D. Skoog *
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State of Alaska Department of Fish and Game
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State of Alaska
Department of Fish and Game
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Mr. Lee Wyatt**
Planning Director
Matanuska-Susitna Borough
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Palmer, Alaska 99645

Socioeconomic Group*

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520 5th Avenue
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Fairbanks, Alaska 99701

Mr. Roy Huhndorf
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Mr. Herb Smelcer, President
General Manager
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Copper Center, Alaska 99573

* Added at the suggestion of the Susitna Hydro Steering Committee.

**Added as a result of specific agency request.

TABLE 1.4 (Cont'd)

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Geological and Soils Group *

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Division of Natural Resources
Alaska Department of Natural
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Anchorage, Alaska 99510

General

Mr. David Haas
State-Federal Assistance Coordinator
State of Alaska
Office of the Governor
Division of Policy Development and Planning
Pouch AW
Juneau, Alaska 99811

Ms. Wendy Wolt
Office of Coastal Management
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Pouch AP
Juneau, Alaska 99811

* Added at the suggestion of the Susitna Hydro Steering Committee.

TABLE 1.5: EXPANDED LIST OF REPORTS AND GROUPS TO WHICH
REPORTS WERE/WERE TO BE SENT

| REPORT | GROUP* |
|-------------------------------------------------|-----------------------------|
| Instream Flow Study Plan | R, ALU |
| Draft Fishery Mitigation Plan | WQ, FWB, R, ALU |
| Draft Wildlife Mitigation Plan | WQ, FWB, R, ALU |
| Final Phase I Reports: | |
| (a) Fish Ecology | WQ, FWB, R |
| (b) Wildlife Ecology | WQ, FWB, R |
| (c) Plant Ecology | FWB, ALU |
| (d) Birds and Non-Game Mammals | FWB, R |
| (e) Furbearers | FWB, R, SE |
| (f) Land Use | ALL |
| (g) Socioeconomics | FWB, R, ALU, SE, G |
| (h) Cultural Resources | HA, SE |
| (i) Recreation | R |
| Land Status Report | R, ALU, SE, GS |
| Interim Report on Seismic Studies | GS |
| Final Report on Seismic Studies | GS |
| Geotechnical Exploration Report on 1980 Studies | GS |
| Geotechnical Exploration Report on 1981 Studies | GS |
| Water Quality Report | WQ, FWB, R, ALU |
| Water Use Report | WQ, FWB, R, ALU, SE |
| River Morphology | WQ, FWB, R, ALU, GS |
| Sociocultural Report | FWB, HA, R, ALU, SE |
| Environmental Evaluation of Access Plans | WQ, FWB, HA, R, ALU, SE, GS |
| Engineering Evaluation of Access Plans | WQ, FWB, HA, R, ALU, SE, GS |

*ALU = Aesthetics, Land Use
 FWB = Fish, Wildlife, and Botanical
 HA = Historic, Archaeological
 WQ = Water Quality
 R = Recreation
 SE = Socioeconomic
 GS = Geology and Soils
 G = General

Note: These reports and groups were added to those listed in Table 1.2.
 Groups refer to those listed in Table 1.4.

TABLE 1.6: REPORTS, DATE SENT, AND PURPOSE

| <u>DOCUMENT</u> | <u>PRIOR TO</u> <u>03/15/82</u> | <u>03/15/82</u> | <u>04/01/82</u> | <u>04/15/82</u> | <u>04/30/82</u> | <u>PURPOSE*</u> |
|----------------------------------------------------------|------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Plan of Study | X | | | | | FC |
| Plan of Study - Revision 1 | X | | | | | FC |
| 1980 Summary Environmental Report | X | | | | | I |
| 1980 Annual Environmental Reports: | | | | | | |
| (a) Fish Ecology | X | | | | | I |
| (b) Plant Ecology | X | | | | | I |
| (c) Big Game, Birds, and Non-Game Mammals, Furbearers | X | | | | | I |
| (d) Land Use | X | | | | | I |
| (e) Socioeconomics | X | | | | | I |
| (f) Cultural Resources | X | | | | | I |
| Transmission Line Corridor Screening Report | X | | | | | FC |
| Development Selection Report | X | | | | | FC |
| Initial Fish and Wildlife Mitigation Policy | X | | | | | FC |
| (Revised Mitigation Policy) | | X | | | | FC |
| Instream Flow Study | | | | X | | FC |
| Feasibility Report | | X | | | | FC |
| Draft Fishery Mitigation Plan | | | | X | | FC |
| Draft Wildlife Mitigation Plan | | | | X | | FC |
| Phase I Environmental Reports: | | | | | | |
| (a) Fish Ecology - ADF&G | | X | | | | I |
| (b) Wildlife Ecology - ADF&G | | X | | | | I |
| (c) Plant Ecology | | | | | X | I |
| (d) Bird and Non-Game Mammals | | | | | X | I |
| (e) Furbearers | | | | | X | I |
| (f) Land Use | | | | | X | I |
| (g) Socioeconomics | | | | | X | I |
| (h) Cultural Resources | | | | | X | I |
| (i) Recreation | | | | | X | FC |
| Land Status Report | | | X | | | I |
| Interim Report on Seismic Studies | | | X | | | I |
| Final Report on Seismic Studies | | | X | | | I |
| Geotechnical Exploration Report on 1980 Studies | | | X | | | I |
| Geotechnical Exploration Report 1981 Studies | | | X | | | I |
| Water Quality Report | | | X | | | I |
| Water Use Report | | | X | | | I |
| River Morphology Report | | | X | | | I |
| Sociocultural Report | | | X | | | I |
| Environmental Evaluation of Access Plans | | | | | X | I |
| Access Route Selection Report | | | X | | | I |

*FC = Formal Comments Requested

I = Provided for Information Only

TABLE 1.7: MEMBERS OF THE SUSITNA HYDROELECTRIC
PROJECT STEERING COMMITTEE

State Agencies

Alaska Department of Fish and Game
Alaska Department of Natural Resources
Alaska Department of Commerce

Alaska Department of Environmental
Conservation

Federal Agencies

U.S. Fish and Wildlife Service
U.S. Geology Survey
National Park Service
National Marine Fisheries Service
U.S. Bureau of Land Management

Environmental Protection Agency
Heritage Conservation and
Recreation Service

Other

Arctic Environmental Information and Data Center

Note: U.S. Army Corps of Engineers, Alaska Division of Policy Development and Planning and Matanuska-Susitna Borough were invited but declined to sit on the Steering Committee.

TABLE 1.8: DATES AND PURPOSE OF STEERING COMMITTEE
MEETINGS WITH APA AND/OR ITS CONSULTANTS

| <u>DATE</u> | <u>PURPOSE</u> |
|------------------|---------------------------------------------------------------------------------------|
| June 12, 1980 | Objective of Committee and Introduction to Project |
| July 17, 1980 | Federal Energy Regulatory Commission and State License Process, Instream Flow Studies |
| November 5, 1980 | Evaluation of Alternatives to Susitna |
| April 13, 1981 | Alternatives, Access Road Evaluation, and Comments on Environmental Studies |
| October 20, 1981 | Access Road Evaluation |
| December 2, 1981 | Explanation of Agency Comment Requests from APA |
| January 20, 1982 | Environmental Studies and Concerns, Fisheries Mitigation |

TABLE 1.9: AGENCIES INVITED AND THOSE WHICH
DECLINED TO BE ON THE FISH AND
WILDLIFE MITIGATION REVIEW GROUP

State Agencies

Status

Alaska Department of Fish and Game
Alaska Department of Natural Resources

Agreed
Agreed

Federal Agencies

U.S. Fish and Wildlife Service
National Marine Fisheries Service
U.S. Bureau of Land Management
Environmental Protection Agency
U.S. Geological Survey
U.S. Army Corps of Engineers

Agreed
Agreed
Agreed
Agreed
Declined
Declined

APPENDIX A

AGENCIES CONTACTED FOR INFORMATION
DURING PREPARATION OF THE SUSITNA
ENVIRONMENTAL REPORTS

APPENDIX A

AGENCIES CONTACTED FOR INFORMATION DURING PREPARATION OF THE SUSITNA ENVIRONMENTAL REPORTS

The following list names individuals from federal, state, and local agencies as well as other institutions and organizations who were contacted regarding the Susitna Hydroelectric Project Environmental Studies Program. These individuals were consulted between October 1, 1979, and January 15, 1982. Arranged by environmental report section as they appeared in Volume 2 of the Feasibility Study, the names listed include:

- (1) Those contacts made by TES and/or TES subcontractors for input related specifically to that report section;
- (2) Those contacts made by TES and/or TES subcontractors, the information from which, while pertinent to a different environmental report section, was also applicable to the section in question; and
- (3) Contacts made by TES, TES subcontractors, Acres, or the Alaska Power Authority applicable to the Susitna Environmental Studies in general.

The nature of these contacts ranges from requests for data to inquiries concerning the environmental studies procedures. These lists are not intended to include those contacts made with other members of the Environmental Studies Team, although some project personnel are listed because of the capacity in which they were consulted.

Report on Fish, Wildlife, and Botanical Resources

FEDERAL AGENCIES

United States Department of Agriculture

Agricultural Stabilization and Conservation Service

- Lola Britton: File Manager

Forest Service, Institute of Northern Forestry

- Joan Foote: Biologist
- Fred Larson: Research Forester
- Vic VanBallenberghe: Wildlife Biologist
- Leslie Viereck: Principal Plant Ecologist

Pacific Northwest Forest and Range Experimental Station

- Robert Ethinaton: Director

Soil Conservation Service

- Weymeth Long: Director of State Office
- Sterling Powell: Physical Engineer, Water Resource Specialist

United States Department of Commerce

National Marine Fisheries Service

- Robert McVey: Director
- Ronald Morris: Supervisor
- Bradley Smith: Fishery Biologist

United States Department of Defense

Army Cold Region Research Environmental Laboratory

- Jerry Brown: Chief, Environmental Research Branch

Army Corps of Engineers, Alaska District

- Loran Baxter: Civil Engineer
- Richard Borcetti: Biologist, Permit Processing
- Phillip Brna: Biologist
- James Caruth: Chief of Regulatory Functions
- Jack Ferrise: Civil Engineering Technician Compliance Investigator
- Col. Lee Nunn: District Engineer
- Lt. Col. J. Perkins: Deputy District Engineer

United States Department of Energy

Alaska Power Administration

- Fredrick Chiei: Deputy Regional Representative
- Robert Cross: Administrator
- Donald Shira: Chief of Planning

Federal Energy Regulatory Commission, Division of Licensed Projects

- Ronald Corso: Director
- Paul Carrier: Engineer
- Donald Clarke: Staff Counsel
- Thomas Dewit: Landscape Architect
- Quentin Edson: Chief, Environmental Analysis Branch
- Julian Flint: Supervisor, Engineering Project Analysis Branch
- Peter Foote: Fishery Biologist
- Donald Giampoli: Department Director

- Mark Robinson: Environmental Biologist
- Dean Shumway: Chief, Conservation Section
- Gerald Wilson: Chief, Project Analysis

United States Department of the Interior

Bureau of Land Management

- Patrick Beckley: Chief, Branch of Lands and Minerals
- Louis Carufel: Fisheries Biologist
- Ann Dawe
- Art Hosterman: Chief, Branch of Biological Resources
- Paula Krebs: Remote Sensing Specialist
- Steve Leskosky: Environmental Planner
- John Rego: Geologist
- Mike Scott: Fisheries Biologist
- Gary Seitz: Environmental Coordinator
- Page Spencer: Remote Sensing Specialist
- Steve Talbot: Ecologist
- Dick Tindall: Anchorage District Manager

Bureau of Mines

- Bob Ward: Chief, Environmental Planning Staff

Fish and Wildlife Service

- Mike Amaral: Endangered Species Biologist
- Skip Ambrose: Endangered Species Biologist
- Bruce Apple: Fisheries Biologist
- Dale Arhart: Staff Biologist
- Keith Baya: Assistant Director for the Environment
- Robert Bowker: Field Supervisor, Western Alaska Ecological Services Unit
- Carl Burger: Research Fisheries Biologist, Advisor, Radio Telemetry Project
- Bruce Conant: Wildlife Biologist/Pilot
- Lenny Corrin: Fish and Wildlife Projects Coordinator
- Dirk Derksen: Waterfowl Biologist
- Gregory Konkell: Habitat Evaluation Coordinator
- Donald McKay: Wildlife Biologist
- Dennis Money: Endangered Species Coordinator
- John Morrison: Supervisor, Biological Services Program
- Mel Munson: Program Supervisor, Land and Water Program
- A. Palmisana: Research Chemist
- Wayne Regelin: Research Biologist
- Mel Schamberger: Habitat Evaluation Procedures Group Leader, Biological Services Program
- Keith Schreiner: Region Seven Director
- Gary Stackhouse: Fish and Wildlife Biologist, Federal Projects/Technical Assistance Coordinator
- Mike Thompson: Fisheries Biologist
- John Trapp: Marine Bird Management Project Leader
- Dave Waangard: Research Fisheries Biologist
- Richard Wilmot: Fisheries Research Project Leader

Geological Survey

- Derrill Cowing: Hydrologist
- Gary Hickman: Area Director
- Robert Lamke: Chief, Hydrology Section
- Bob Madison: Hydrologist, Water Quality Specialist

Heritage Conservation and Recreation Service

- William Welch: Supervising Outdoor Recreation Planner

National Park Service

- Brailey Breedlove: Landscape Architect
- Terry Carlstrom: Chief of Planning and Design
- Ross Cavanaugh: Fisheries Biologist
- Carl Stoddard: Park Ranger

United States Environmental Protection Agency

- John Spencer: Region X Administrator
- Environmental Evaluation Branch
- Judi Schwartz: Environmental Protection Specialist
- Environmental Impact Statement Review Section
- Elizabeth Corbyn: Chief, Environmental Evaluation Branch
 - Dan Sternborn: Team Leader

STATE AGENCIES

Alaska Department of Commerce and Economic Development

- Charles Webber: Commissioner

Alaska Power Authority

- Bruce Bedard: Inspector, Native Liaison
- David Wozniak: Project Engineer

Division of Energy and Power Development

- Heinz Noonan: Economist

Alaska Department of Community and Regional Affairs

- Lee McAnerney: Commissioner

Alaska Department of Environmental Conservation

- Ernst Mueller: Commissioner
- Robert Flint: Region II Program Coordinator
- Rikki Fowler: Ecologist
- Robert Martin: Regional Supervisor
- David Sturdevant: Management and Technical Assistant Ecologist
- Dan Wilkerson: Special Projects Planner
- Steve Zrake: Environmental Field Officer

Alaska Department of Fish and Game

- Ronald Skoog: Commissioner

Division of Boards

- Robert Larson: Biologist, Division Director

Division of Commercial Fisheries

- Dennis Haanpaa: Assistant Regional Supervisor
- Alan Kingsbury: Regional Research Supervisor

Division of Game

- Paul Arneson: Biologist
- Gregory Bos: Game Biologist IV
- Bruce Cambell: Waterfowl Biologist
- Jack Didrickson: Game Biologist
- Sterling Eide: Regional Supervisor
- David Johnson: Game Biologist
- Herbert Melchior: Game Biologists III
- Lee Miller: Fish and Game Technician V
- Sterling Miller: Game Biologist III
- Suzanne Miller: Statistician, Biometrician III
- Kenneth Pitcher: Game Biologist

- Karl Schneider: Research Coordinator
- Charles Schwartz: Biologist II
- Jerome Sexton: Game Biologist II
- Dan Timm: Game Biologist III, Chief Waterfowl
- Elroy Young: Game Biologist III

Division of Habitat Protection

- Richard Logan: Chief
- Thomas Arminski: Regional Land Specialist
- Dimitri Bader: Lands Coordinator, Habitat Biologist
- Phil Brna: Habitat Biologist II
- Richard Cannon: Habitat Biologist III
- John Clark: Assistant Chief
- Devony Lehner-Welch: Habitat Biologist II
- Don McKay: Habitat Biologist III
- Marguerite Paine: Habitat Biologist II
- Frances VanBallenberghe: Habitat Biologist III
- Carl Yanagawa: Regional Supervisor

Division of Sport Fisheries

- Kevin Delaney: Fishery Biologist II
- Christopher Estes: Fishery Biologist III, Susitna Aquatic Studies
- Larry Heckart: Fishery Biologist IV
- Michael Mills: Senior Fisheries Biometrician III
- Thomas Trent: Regional Supervisor, Susitna Aquatic Studies Coordinator, Vice-Chairman of Susitna Steering Committee
- Kyle Watson: Clerk IV, Susitna Hydroelectric Aquatic Studies Staff Roster

Subsistence Division

- Ronald Stanek: Resource Specialist II

Alaska Department of Natural Resources

- Robert LeResche: Commissioner

Division of Forest Land and Water

- Ted Smith: Director
- Mary Lou Harle: Water Management Officer

Division of Lands

- Dean Brown: Southcentral District Lands Officer
- Michael Franger: Special Projects Officer

Division of Minerals and Energy

- Glen Harrison: Director

Division of Parks

- Jack Wiles: Chief

Division of Research and Development

- Linda Arndt: Land Management Officer
- Christopher Beck: Planner III
- Al Carson: Deputy Director
- Lloyd Egan: Assistant Analyst II

Division of Water Resources

- Brent Petrie: Chief
- Richard Stern: Historian, Research and Planning

Alaska Department of Revenue

- Linda Lockridge: Records and Licensing Supervisor, Fish and Game Licensing Division
- Hazel Nowlin: Administrative Assistant, Administration Services

Alaska Department of Public Safety
Division of Fish and Wildlife Protection
- Col. Robert Stickles: Director
- Wayne Fleek: Region III Commander
- Lt. Rod Mills: Administrative Officer
- Lt. Col. Tetzlaff: Deputy Director

Alaska Department of Transportation
- Jay Bergstrand: Transportation Planner IV
- Cathy Derickson: Transportation Planner
- Reed Gibby: Transportation Planner

Brock University
Institute of Urban and Environmental Studies, St. Catharines, Ontario, Canada
- Fikret Berkes: Director

Canadian Territorial Agencies
Northwest Territories Fish and Game Branch, Yellowknife, Northwest Territories
- Bruce Stevenson: Research Co-ordinator

Office of the Governor
Division of Policy Development and Planning
- Frances Ulmer: Director

University of Alaska
- Roseann Dunsmore: Graduate Student
- Tony Gharret: Professor
Agricultural Experiment Station
- William Mitchell: Head Agronomist
Arctic Environmental Information and Data Center
- Mr. Becker: Climatologist
- Chuck Evans: Research Associate, Wildlife Biologist
- Richard Hensel: Game Biologist
- William Wilson: Fisheries Biologist
Geophysical Institute
- Ken Dean: Remote Sensing Geologist
- Ian Hutchison: Professor of Physics
- T. Osterkamp: Professor of Physics
Museum
- David Murray: Herbarium Curator

LOCAL AGENCIES

Matanuska-Susitna Borough
Borough Office
- Lee Wyatt: Acting Borough Manager, Planning Director

OTHER INSTITUTIONS, ORGANIZATIONS AND INDIVIDUALS

Institutions and Organizations

Battelle Pacific Northwest Laboratories, Richland, Washington
- Lester E. Ebechardt: Terrestrial Ecology Section
Chickaloon Village
- Jess Landsman: President
Colorado State University
Department of Fishery and Wildlife Biology
- Gustav Swanson: Professor and Department Head

Cook Inlet Aquaculture Association

- Floyd Heimback: Director
- Thomas Mears: Biologist
- Thomas Walker: Economist

Cook Inlet Region, Incorporated

- Agnes Brown: Executive
- Lynda Hays: Shareholder and Community Relations Coordinator
- Robert Rude: Senior Vice-President
- John Youngblood: Executive Director

Fairbanks Environmental Center

- Jeff Weltzin: Energy Coordinator

HDR Sciences, Santa Barbara, California

- Ken Reed

Holmes and Narver

- James Pederson: Susitna Project Manager

Idaho Cooperative Wildlife Research Unit

- Dudley Reiser: Fisheries Biologist, Private Consultant

Keual Village

- James Shoalwolver: President

Knikatu Incorporated

- Paul Theadore: Chief

L.G.L. Alaska, Incorporated

- David Roseneau: Biologist

National Museum Canada

Museum of Natural History

- George Argus: Associate Curator, Vascular Plant Section

Ninilchik Native Association, Incorporated

- Arnold Orhdhoff: Chief

Ninilchik Village

- Arnold Orhdhoff: President

Norsk Hydro, Sweden

- Iver Hagen: Public Relations

Northern Prairie Wildlife Research Center, Jamestown, North Dakota

- Al Sargeant: Wildlife Research Biologist

Sagehen Creek Field Station, California

- Wayne Spencer: Biologist
- William Zielinski: Biologist

Salamatoff Native Association, Incorporated

- Andy Johnson: President

Seldovia Native Association, Incorporated

- James Segura: Chief

Susitna Power Now

- E. Dischner: Executive Director

Tyonek Native Corporation

- Agnes Brown: President

United Fishermen of Alaska

- Rodger Painter: Executive Director

University of Calgary, Alberta, Canada

- Dr. Stephen Herrero: Faculty of Experimental Design and Department of Biology

University of Montana

School of Forestry

- Dr. Charles Jonkel: Director, Northern Border Grizzly Bear Project

University of Uppsala, Sweden

- Dr. Hugo Sjörs: Professor of Ecological Botany

Individuals

- Ron Long: Trapper
- Mary Kay McDonald: Trapper
- Cleo McMahon: Pilot, Hunter in Upper Susitna Basin
- Don Newman: Trapper
- Dorothy Palzin: Dethka Resident
- Carol Resnick: Tsusena Creek Resident
- Philip Roullier: Indian River Resident
- Robert Scheufele: Talkeetna Resident
- Leroy Shank: Trapper
- Robert Smith: Tsusena Creek Resident
- Roger Smith: Trapper
- Glen Wingkte: Trapper

Report on Historic and Archeological Resources

FEDERAL AGENCIES

United States Department of Agriculture

Soil Conservation Service

- Sterling Powell: Physical Engineer, Water Resource Specialist

United States Department of Defense

Army Corps of Engineers, Alaska District

- Col. Lee Nunn: District Engineer
- Lt. Col. J. Perkins: Deputy District Engineer

United States Department of Energy

Alaska Power Administration

- Fredrick Chie: Deputy Regional Representative
- Robert Cross: Administrator
- Donald Shira: Chief of Planning

Federal Energy Regulatory Commission, Division of Licensed Projects

- Ronald Corso: Director
- Paul Carrier: Engineer
- Donald Clarke: Staff Counsel
- Thomas Dewit: Landscape Architect
- Quentin Edson: Chief, Environmental Analysis Branch
- Julian Flint: Supervisor, Engineering Project Analysis Branch
- Peter Foote: Fishery Biologist
- Donald Giampaoli: Department Director
- Mark Robinson: Environmental Biologist
- Dean Shumway: Chief, Conservation Section
- Gerald Wilson: Chief, Project Analysis

United States Department of the Interior

Bureau of Land Management

- Mike Brown: Historian
- Louis Carufel: Fisheries Biologist
- Art Hosterman: Chief, Branch of Biological Resources
- Ray Leicht: Archeologist
- Steve Leskosky: Environmental Planner
- John Rego: Geologist
- Gary Seitz: Environmental Coordinator

Bureau of Mines

- Michael Brown: Chemist
- Bob Ward: Chief, Environmental Planning Staff

Fish and Wildlife Service

- Dale Arhart: Staff Biologist

Heritage Conservation and Recreation Service

- Janet McCabe: Regional Director
- Charles McKinney: Consulting Archeologist
- Gail Russell: Interagency Services Division
- William Welch: Supervising Outdoor Recreation Planner
- Larry Wright: Review Section Chief, Federal Projects

National Park Service

- Brailey Breedlove: Landscape Architect
- John Cook: Regional Director
- Gail Russell: Staff, Interagency Service Division
- Carl Stoddard: Park Ranger
- Howard Wagner: Associate Director of Professional Services

United States Environmental Protection Agency

Environmental Impact Statement Review Section

- Elizabeth Corbyn: Chief, Environmental Evaluation Branch

STATE AGENCIES

Alaska Department of Commerce and Economic Development

- Charles Webber: Commissioner

Alaska Power Authority

- Bruce Bedard: Inspector, Native Liaison

Division of Energy and Power Development

- Heinz Noonan: Economist

Alaska Department of Community and Regional Affairs

- Lee McAnerney: Commissioner

Alaska Department of Environmental Conservation

- Robert Flint: Region II Program Coordinator
- David Sturdevant: Management and Technical Assistant Ecologist
- Dan Wilkerson: Special Projects Planner

Alaska Department of Fish and Game

Division of Sport Fisheries

- Michael Mills: Senior Fisheries Biometrician III
- Thomas Trent: Regional Supervisor, Susitna Aquatic Studies Coordinator, Vice-Chairman of Susitna Steering Committee

Alaska Department of Natural Resources

- Robert LeResche: Commissioner

Division of Forest Land and Water

- Mary Lou Harle: Water Management Officer

Division of Lands

- Michael Franger: Special Projects Officer

Division of Parks

- Chip Dennerlein: Director
- Jack Wiles: Chief
- William Hanable: State Preservation Officer
- Doug Reger: State Archeologist
- Robert Shaw: State Historic Preservation Officer

Division of Research and Development

- Linda Arndt: Land Management Officer
- Al Carson: Deputy Director

Office of the Governor

Division of Policy Development and Planning

- Frances Ulmer: Director

University of Alaska

Arctic Environmental Information and Data Center

- William Wilson: Fisheries Biologist

OTHER INSTITUTIONS, ORGANIZATIONS AND INDIVIDUALS

Institutions and Organizations

Cook Inlet Region, Incorporated

- Lynda Hays: Shareholder and Community Relations Coordinator
- Robert Rude: Senior Vice-President

Fairbanks Environmental Center

- Jeff Weltzin: Energy Coordinator

Land Field Services, Incorporated

- P. J. Sullivan: Representative

Susitna Power Now

- E. Dischner: Executive Director

Individuals

- Glenn Bacon: Consulting Archeologist

Report on Socioeconomic Impacts

FEDERAL AGENCIES

United States Department of Agriculture

Economics, Statistics, and Cooperative Services

- Paul Fuglestad: Agricultural Economist, Natural Resource Economics Division

Farmers Home Administration

- Delon Brown: Chief Researcher

Soil Conservation Service

- John O'Neil: Coordinator
- Sterling Powell: Physical Engineer, Water Resource Specialist

United States Department of Defense

Army Corps of Engineers, Alaska District

- Col. Lee Nunn: District Engineer
- Lt. Col. J. Perkins: Deputy District Engineer

Army Corps of Engineers, Portland District

- Ruth Love: Sociologist

United States Department of Education

- Lee Hays: Facilities Planner

United States Department of Energy

Alaska Power Administration

- Fredrick Chieil: Deputy Regional Representative
- Robert Cross: Administrator
- Donald Shira: Chief of Planning

Federal Energy Regulatory Commission, Division of Licensed Projects

- Ronald Corso: Director
- Paul Carrier: Engineer
- Donald Clarke: Staff Counsel
- Thomas Dewit: Landscape Architect
- Quentin Edson: Chief, Environmental Analysis Branch
- Julian Flint: Supervisor, Engineering Project Analysis Branch
- Peter Foote: Fishery Biologist
- Donald Giampaoli: Department Director
- Mark Robinson: Environmental Biologist
- Dean Shumway: Chief, Conservation Section
- Gerald Wilson: Chief, Project Analysis

United States Department of Housing and Urban Development

- E. Robinson: Area Economist

United States Department of the Interior

Bureau of Land Management

- Louis Carufel: Fisheries Biologist
- Gary Hennigh: Socioeconomic Specialist
- Art Hosterman: Chief, Branch of Biological Resources
- John Rego: Geologist
- Gary Seitz: Environmental Coordinator
- Charles Smythe: Socioeconomics Specialist

Bureau of Mines

- Bob Ward: Chief, Environmental Planning Staff

Fish and Wildlife Service

- Bruce Apple: Fisheries Biologist
- Dale Arhart: Staff Biologist

Geological Survey

- Robert Lamke: Chief, Hydrology Section

National Park Service

- Brailey Breedlove: Landscape Architect
- Joanne Gidlund: Public Affairs

United States Department of Transportation

Federal Railroad Administration, The Alaska Railroad

- Fred Hoefler: Traffic Officer

United States Environmental Protection Agency

Environmental Impact Statement Review Section

- Elizabeth Corbyn: Chief, Environmental Evaluation Branch

STATE AGENCIES

Alaska Department of Commerce and Economic Development

- Charles Webber: Commissioner

Alaska Power Authority

- Bruce Bedard: Inspector, Native Liaison
- Nancy Blunck: Coordinator

Division of Energy and Power Development

- Heinz Noonan: Economist
- David Reume: Economist

Alaska Department of Community and Regional Affairs

- Lee McAnerney: Commissioner
- Edward Busch: Senior Planner
- Lemar Cotton: Planner III
- Sylvia Spearon: Assistant Planner
- Richard Spitler: Planner
- Mark Stephens: Planner

Alaska Department of Environmental Conservation

- Jim Allen: Sanitarian
- Robert Flint: Region II Program Coordinator
- Robert Martin: Regional Supervisor
- Dan Wilkerson: Special Projects Planner
- Steve Zrake: Environmental Field Officer

Alaska Department of Fish and Game

Division of Commercial Fisheries

- Dennis Haanpaa: Assistant Regional Supervisor

Division of Game

- Gregory Bos: Game Biologist IV
- Sterling Eide: Regional Supervisor
- Lee Miller: Fish and Game Technician V
- Sterling Miller: Game Biologist III
- Jerome Sexton: Game Biologist II
- Dan Timm: Game Biologist III, Chief Waterfowl

Division of Sport Fisheries

- Christopher Estes: Fishery Biologist III, Susitna Aquatic Studies
- Larry Heckart: Fishery Biologist IV
- Michael Mills: Senior Fisheries Biometrician III
- Thomas Trent: Regional Supervisor, Susitna Aquatic Studies Coordinator,
Vice-Chairman of Susitna Steering Committee

Subsistence Division

- Ronald Stanek: Resource Specialist II

Alaska Department of Labor

Administrative Services

- Neil Fried: Labor Economist
- Greg Huff: Labor Economist

Division of Research and Analysis

- Chuck Caldwell: Chief
- Rod Brown: Supervisor of Research, Administration Services
- Cal Dauel: Labor Economist
- Neil Fried: Labor Economist
- Steve Harrison: Labor Economist
- Chris Miller: Labor Economist
- Sally Sadler: Labor Economist
- Dave Swanson: State Demographer
- James Wilson: Labor Economist

Alaska Department of Natural Resources

- Robert LeResche: Commissioner

Division of Lands

- Michael Franger: Special Projects Officer
- Robert Loeffler: Associate Lands Planner

Division of Parks

- Jack Wiles: Chief

Division of Pipeline Surveillance

- Elstun Lauesen: Socioeconomic Officer

Division of Research and Development

- Linda Arndt: Land Management Officer
- Al Carson: Deputy Director
- Carol Larsen: Public Information Officer
- Robert Loeffler: Associate Planner
- Steve Reeves: Chief, Land and Resources Planning Section

Alaska Department of Revenue

- Linda Lockridge: Records and Licensing Supervisor, Fish and Game Licensing
Division
- Hazel Nowlin: Administrative Assistant, Administration Services
- William Yankee: Economist II

Alaska Department of Public Safety

Division of Public Safety

- Michael Dekreon, State Trooper
- Lt. Rhodes: State Trooper, Deputy Commander Detachment B

Division of Fire Protection

- Dave Taylor: Fire Protection Engineer

Division of Fish and Wildlife Protection

- Col. Robert Stickles: Director
- Wayne Fleek: Region III Commander
- Ms. Lobb: Clerk
- Lt. Rod Mills: Administrative Officer
- Lt. Col. Tetzlaff: Deputy Director

Alaska Department of Transportation

- Jay Bergstrand: Transportation Planner IV
- Cathy Derickson: Transportation Planner
- Reed Gibby: Transportation Planner
- William Humphrey: Transportation Planner I
- Richard Quiroz: District Environmental Coordinator
- Eugene Weiler: Traffic Data Supervisor

Alaska State Housing Authority

- William Foster: Administrative Officer

Glennallen State Trooper Post

- Robert Cockrell: 1st Sergeant

House Power Alternatives Study Committee

- Hugh Malone: Committee Co-Chairman, District 13

Office of the Governor

Division of Policy Development and Planning

- Frances Ulmer: Director

University of Alaska

- Lydia Selkreg: Professor of Resource Economics and Planning
Arctic Environmental Information and Data Center

- Barbara Sokolov: Senior Research Analyst, Library Science

- William Wilson: Fisheries Biologist

Institute of Social and Economic Research

- Lee Gorsuch: Director

- Scott Goldsmith: Assistant Professor of Economics

- Lee Huskey: Associate Professor of Economics

Urban Observatory

- Richard Ender: Assistant Professor of Public Administration

LOCAL AGENCIES

City of Glennallen

- Sheldon Spector: Magistrate

City of Houston, Alaska

- Elsie O'Brien: City Clerk

City of Palmer

- David Soulak: City Manager

City of Wasilla

- Earling Nelson: City Clerk

Copper River School District

- Dr. Krinke: Superintendent

Fairbanks North Star Borough

- Philip Berrian: Planning Director

Community Information Center

- Karen Fox: Research Analyst

Matanuska-Susitna Borough

Land Management Department

- Steve Van Sant: Borough Assessor, Division of Land Assessment/Director of Land Management

Planning Department, Borough Office

- Rick Feller: Planner
- Claud Oxford: Engineer
- Vern Roberts: Finance Director
- Rodney Schulling: Planning Director
- Alan Tesche: In-house Authority
- Lee Wyatt: Acting Borough Manager, Planning Director

School District

- Mr. Monty Hotchkiss: Business Manager
- Kenneth Kramer: Superintendent

Municipality of Anchorage

- Charles Becker: Economic Development Director
- Shawn Henne: Assistant Planner
- Michael Meehan: Director of Planning
- Bruce Silva: Demographer
- Barbara Withers: Regional Economist

Valdez Police Department

- Police Officer

OTHER INSTITUTIONS, ORGANIZATIONS AND INDIVIDUALS

Institutions and Organizations

Ahtna, Inc.

- Lee Adler: Director

Alaska Hospital

- Head Nurse

Alaska Miners' Association

Battelle Pacific Northwest Laboratories, Richland, Washington

- Jeff King: Senior Research Engineer
- Michael Scott: Senior Research Engineer
- Ward Swift: Economist

Ben Marsh and Associates

- Nancy Cole: Assistant Property Manager

Chickaloon Village

- Jess Landsman: President

Community Council Center Federation of Community Schools

- Mary Amouak: Representative
- Margaret Wolfe: Representative

Cook Inlet Aquaculture Association

- Floyd Heimback: Director
- Thomas Mears: Biologist

Cook Inlet Region, Incorporated

- Agnes Brown: Executive
- Lynda Hays: Shareholder and Community Relations Coordinator
- Robert Rude: Senior Vice-President
- Marge Sargerser: Land Manager
- John Youngblood: Executive Director

Copper River Housing Authority
 - Thea Smelcher: Housing Director
 Copper River Native Association
 - Billy Peters: Health Director
 Copper Valley Electric Association
 - Daniel Tegeler: Office Manager
 Copper Valley Views
 - Reporter
 Darbyshire and Associates
 - Ralph Darbyshire: President
 Doyon Corporation
 - Doug Williams: Land Planner
 Fairbanks Borough Community Information Center
 - Karen Fox: Research Analyst
 Fairbanks Chamber of Commerce
 - Robert Dempsey: Chairman, Economic and Development Committee
 Fairbanks Environmental Center
 - Jeff Weltzin: Energy Coordinator
 Fairbanks Town and Village Association for Development, Inc.
 - Art Patterson: Planner
 Fairbanks Visitor and Convention Bureau
 - Karla Zervos: Executive Director
 Frank Moolin and Associates, Incorporated
 - Mike Finnegan: Project Control Manager
 Guide License Review Board
 High Lake Lodge
 - John Wilson: Resident Manager
 Holmes and Narver
 - Karl Hansen: Project Engineer
 - James Pederson: Susitna Project Manager
 Insurance Service Organization, San Fransisco, California
 - Gary Morse: Customer Service Representative
 Keual Village
 - James Shoalwolver: President
 Knikatu Incorporated
 - Paul Theadore: Chief
 Matanuska Electric Association, Incorporated
 - Bud Goodyear: Public Information Officer
 - Ken Ritchey: Manager, Engineering Services
 Matanuska Telephone Association
 - Graham Rolstad: Chief Engineer
 - Donald Taylor: Traffic and Equipment Engineer
 Ninilchik Native Association, Incorporated
 - Arnold Orhdhoff: Chief
 Ninilchik Village
 - Arnold Orhdhoff: President
 Norsk Hydro, Sweden
 - Iver Hagen: Public Relations
 Northwest Alaskan Pipeline Company
 - Susan Fisson: Director, Socioeconomic Analysis
 - Virginia Manna: Research Analyst
 Overall Economic Development Program, Incorporated
 - Russell Cotton: Project Development Coordinator
 - Donald Lyon: Executive Director

Palmer Chamber of Commerce
 Palmer Fire Hall
 - Daniel Contini: Fire Chief
 Palmer Valley Hospital
 - Valerie Blakeman: Administrative Secretary
 - Ann Demmings: Nurse
 - Rae-Ann Hickling: Consultant
 Public Power Supply System, Richland, Washington
 - Alice Lee: Coordinator
 Puget Sound Power and Light Company
 - Terry Galbraith: Public Relations Officer
 Quebec Hydro Center, Quebec, Ontario
 - Mr. Savignac: Counsel
 R. W. Beck and Associates, Seattle, Washington
 - Richard Flemming: Principal Scientist
 - Ron Melnikoff: Socioeconomic Coordinator
 Salamatoff Native Association, Incorporated
 - Andy Johnson: President
 Seldovia Native Association, Incorporated
 - James Segura: Chief
 Stephen Braund and Associates
 - Stephen Braund: President
 Susitna Power Now
 - E. Dischner: Executive Director
 Trapper Creek Community Council
 - David Porter: Member
 - Gail Robinson: Member
 Tri-Valley Realty
 - Lois Dow: Associate
 Tyonek Native Corporation
 - Agnes Brown: President
 - Nurse
 Valdez Community Hospital
 - Nurse
 Valdez Vanguard
 - Reporter
 Yukon Wildlife Branch
 - Ralph Archibald: Biologist

Individuals

- Harold Larson: Agent for Alaska Railroad at Gold Creek, Trapper
- Bradford Tuck: Economic Consultant
- William Workman: Socioeconomic Consultant

Report on Recreational Resources

FEDERAL AGENCIES

United States Department of Agriculture

Forest Service, Institute of Northern Forestry

- James Tellerico: Landscape Architect

United States Department of Commerce

National Marine Fisheries Service

- Bradley Smith: Fishery Biologist

United States Department of Defense

Army Corps of Engineers, Alaska District

- Loran Baxter: Civil Engineer
- Col. Lee Nunn: District Engineer
- Lt. Col. J. Perkins: Deputy District Engineer

United States Department of Energy

Alaska Power Administration

- Fredrick Chieil: Deputy Regional Representative
- Robert Cross: Administrator
- Donald Shira: Chief of Planning

Federal Energy Regulatory Commission, Division of Licensed Projects

- Ronald Corso: Director
- Paul Carrier: Engineer
- Donald Clarke: Staff Counsel
- Thomas Dewit: Landscape Architect
- Quentin Edson: Chief, Environmental Analysis Branch
- Julian Flint: Supervisor, Engineering Project Analysis Branch
- Peter Foote: Fishery Biologist
- Donald Giampaoli: Department Director
- Mark Robinson: Environmental Biologist
- Dean Shumway: Chief, Conservation Section
- Gerald Wilson: Chief, Project Analysis

United States Department of Housing and Urban Development

- Debra Pevlear: Neighbor Volunteer and Consumer Protection Official

United States Department of the Interior

Bureau of Land Management

- Lee Barkow: Planner, Easement Identification Branch
- Patrick Beckley: Chief, Branch of Lands and Minerals
- Stanley Bronczyk: Chief, Easement Identification Branch
- Louis Carufel: Fisheries Biologist
- William Gabriell: Leader, Special Studies Group
- Art Hosterman: Chief, Branch of Biological Resources
- Peter Jerome: Landscape Architect
- John Rego: Geologist
- Gary Seitz: Environmental Coordinator

- Dick Tindall: Anchorage District Manager
- Richard Tobin: Recreational Planner

Bureau of Mines

- Michael Brown: Chemist
- Bob Ward: Chief, Environmental Planning Staff

Fish and Wildlife Service

- Bruce Apple: Fisheries Biologist
- Dale Arhart: Staff Biologist
- Keith Baya: Assistant Director for the Environment
- Donald McKay: Wildlife Biologist
- Gary Stackhouse: Fish and Wildlife Biologist, Federal Projects/Technical Assistance Coordinator

Geological Survey

- Robert Lamke: Chief, Hydrology Section

Heritage Conservation and Recreation Service

- Janet McCabe: Regional Director
- William Welch: Supervising Outdoor Recreation Planner
- Larry Wright: Review Section Chief, Federal Projects

National Park Service

- Brailey Breedlove: Landscape Architect
- Terry Carlstrom: Chief of Planning and Design
- Ross Cavanaugh: Fisheries Biologist
- John Cook: Regional Director
- Carl Stoddard: Park Ranger
- Howard Wagner: Associate Director of Professional Services

United States Environmental Protection Agency

Environmental Impact Statement Review Section

- Elizabeth Corbyn: Chief, Environmental Evaluation Branch

STATE AGENCIES

Alaska Department of Administration

Division of General Services and Supplies

- Bill Ower: Contracting Officer

Alaska Department of Commerce and Economic Development

- Charles Webber: Commissioner

Alaska Power Authority

- Bruce Bedard: Inspector, Native Liaison

Division of Energy and Power Development

- Heinz Noonan: Economist

Alaska Department of Community and Regional Affairs

- Lee McAnerney: Commissioner

Alaska Department of Environmental Conservation

- Ernst Mueller: Commissioner
- Robert Flint: Region II Program Coordinator
- Rikki Fowler: Ecologist
- Robert Martin: Regional Supervisor
- David Sturdevant: Management and Technical Assistant Ecologist
- Dan Wilkerson: Special Projects Planner
- Steve Zrake: Environmental Field Officer

Alaska Department of Fish and Game

Division of Game

- Dan Timm: Game Biologist III, Chief Waterfowl

Division of Habitat Protection

- Phil Brna: Habitat Biologist II
- Carl Yanagawa: Regional Supervisor

Division of Sport Fisheries

- Michael Mills: Senior Fisheries Biometrician III
- Thomas Trent: Regional Supervisor, Susitna Aquatic Studies Coordinator, Vice-Chairman of Susitna Steering Committee

Alaska Department of Natural Resources

- Robert LeResche: Commissioner

Division of Forest Land and Water

- Ted Smith: Director
- Mary Lou Harle: Water Management Officer
- Raymond Mann: Land Management Officer II
- Debbie Robertson: Land Management Officer II

Division of Geological and Geophysical Survey

- Roy Merritt: Geologist

Division of Lands

- Frank Mielke: Chief
- Jim Fichione: Land Management Officer
- Michael Franger: Special Projects Officer
- Joe Joiner: Land Management Officer

Division of Minerals and Energy

- Glen Harrison: Director

Division of Parks

- Jack Wiles: Chief
- Ronald Crenshaw: State Park Planner
- Liza Holzapple: Park Planner
- Al Miner: Student Intern
- Doug Reger: State Archeologist
- Sandy Robinowitz: Park Planner
- Robert Shaw: State Historic Preservation Officer
- Larry Snarsky: District Manager
- Vicky Sung: Park Planner
- Larry Wilde: District Manager

Division of Research and Development

- Linda Arndt: Land Management Officer
- William Beatty: Planning Supervisor, Land Resources
- Christopher Beck: Planner III
- Al Carson: Deputy Director
- Randy Cowart: Planner V
- Ronald Swanson: Land Management Officer, Policy Research Land Entitlement Unit

Division of Transportation and Public Facilities

- John Miller

Alaska Department of Public Safety

Division of Fish and Wildlife Protection

- Col. Robert Stickles: Director
- Wayne Fleek: Region III Commander
- Lt. Rod Mills: Administrative Officer
- Lt. Col. Tetzlaff: Deputy Director

Alaska Department of Transportation

- Jay Bergstrand: Transportation Planner IV
- Cathy Derickson: Transportation Planner
- Reed Gibby: Transportation Planner

Office of the Governor

Division of Policy Development and Planning

- Frances Ulmer: Director
- David Allison: Policy and Planning Specialist

University of Alaska

Arctic Environmental Information and Data Center

- Chuck Evans: Research Associate, Wildlife Biologist
- William Wilson: Fisheries Biologist

LOCAL AGENCIES

City of Houston, Alaska

- Elsie O'Brien: City Clerk

City of Palmer

- David Soulak: City Manager

Fairbanks North Star Borough

- Paula Twelker: Planner II

Matanuska-Susitna Borough

Borough Office

- Rick Feller: Planner
- Rodney Schulling: Planning Director
- Lee Wyatt: Acting Borough Manager, Planning Director

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- Jess Landsman: President

Cook Inlet Region, Incorporated

- Agnes Brown: Executive
- Lynda Hays: Shareholder and Community Relations Coordinator
- Robert Rude: Senior Vice-President
- John Youngblood: Executive Director

Fairbanks Environmental Center

- Jeff Weltzin: Energy Coordinator

Keual Village

- James Shoalwolfer: President

Knikatu Incorporated

- Paul Theadore: Chief

Knik Canoers and Kayakers

- Bruce Stanford: Member

Land Field Services, Incorporated

- P. J. Sullivan: Representative

Ninilchik Native Association, Incorporated

- Arnold Orhdhoff: Chief

Ninilchik Village

- Arnold Orhdhoff: President

Norsk Hydro, Sweden

- Iver Hagen: Public Relations

Salamatoff Native Association, Incorporated

- Andy Johnson: President

Seldovia Native Association, Incorporated

- James Segura: Chief

Susitna Power Now

- E. Dischner: Executive Director

Tyonek Native Corporation

- Agnes Brown: President

Individuals

- Bob Brown: Owner of Bob's Service Unlimited

Report on Aesthetic Resources

FEDERAL AGENCIES

United States Department of Agriculture

Soil Conservation Service

- Sterling Powell: Physical Engineer, Water Resource Specialist

United States Department of Commerce

National Marine Fisheries Service

- Ronald Morris: Supervisor
- Bradley Smith: Fishery Biologist

United States Department of Defense

Army Corps of Engineers, Alaska District

- Col. Lee Nunn: District Engineer
- Lt. Col. J. Perkins: Deputy District Engineer

United States Department of Energy

Alaska Power Administration

- Fredrick Chie: Deputy Regional Representative
- Robert Cross: Administrator
- Donald Shira: Chief of Planning

Federal Energy Regulatory Commission, Division of Licensed Projects

- Ronald Corso: Director
- Paul Carrier: Engineer
- Donald Clarke: Staff Counsel
- Thomas Dewit: Landscape Architect
- Quentin Edson: Chief, Environmental Analysis Branch
- Julian Flint: Supervisor, Engineering Project Analysis Branch
- Peter Foote: Fishery Biologist
- Donald Giampaoli: Department Director
- Mark Robinson: Environmental Biologist
- Dean Shumway: Chief, Conservation Section
- Gerald Wilson: Chief, Project Analysis

United States Department of Housing and Urban Development

- Debra Pevlear: Neighbor Volunteer and Consumer Protection Official

United States Department of the Interior

Bureau of Land Management

- Lee Barkow: Planner, Easement Identification Branch
- Patrick Beckley: Chief, Branch of Lands and Minerals
- Stanley Bronczyk: Chief, Easement Identification Branch
- Louis Carufel: Fisheries Biologist
- Art Hosterman: Chief, Branch of Biological Resources
- Peter Jerome: Landscape Architect
- John Rego: Geologist
- Gary Seitz: Environmental Coordinator
- Richard Tobin: Recreational Planner

Bureau of Mines

- Bob Ward: Chief, Environmental Planning Staff

Fish and Wildlife Service

- Dale Arhart: Staff Biologist

National Park Service

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- Terry Carlstrom: Chief of Planning and Design
- Ross Cavanaugh: Fisheries Biologist
- Howard Wagner: Associate Director of Professional Services

United States Environmental Protection Agency

Environmental Impact Statement Review Section

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- Heinz Noonan: Economist

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- Lee McAnerney: Commissioner
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- Lemar Cotton: Planner III

Alaska Department of Environmental Conservation

- Ernst Mueller: Commissioner
- Robert Flint: Region II Program Coordinator
- Rikki Fowler: Ecologist
- David Sturdevant: Management and Technical Assistant Ecologist
- Dan Wilkerson: Special Projects Planner

Alaska Department of Fish and Game

Division of Habitat Protection

- Carl Yanagawa: Regional Supervisor

Division of Sport Fisheries

- Thomas Trent: Regional Supervisor, Susitna Aquatic Studies Coordinator,
Vice-Chairman of Susitna Steering Committee

Alaska Department of Natural Resources

- John Katz: Commissioner
- Robert LeResche: Commissioner

Division of Forest Land and Water

- Raymond Mann: Land Management Officer II
- Debbie Robertson: Land Management Officer II

Division of Lands

- Michael Franger: Special Projects Officer
- Joe Joiner: Land Management Officer

Division of Parks

- Jack Wiles: Chief
- Ronald Crenshaw: State Park Planner
- Liza Holzapple: Park Planner

Division of Research and Development

- Linda Arndt: Land Management Officer
- William Beatty: Planning Supervisor, Land Resources
- Al Carson: Deputy Director
- Randy Cowart: Planner V
- Ronald Swanson: Land Management Officer, Policy Research Land Entitlement Unit

Alaska Department of Public Safety

Division of Fish and Wildlife Protection

- Col. Robert Stickles: Director
- Wayne Fleek: Region III Commander
- Lt. Rod Mills: Administrative Officer

Alaska Department of Transportation

- Jay Bergstrand: Transportation Planner IV

Office of the Governor

Division of Policy Development and Planning

- Frances Ulmer: Director
- David Allison: Policy and Planning Specialist

University of Alaska

Arctic Environmental Information and Data Center

- Chuck Evans: Research Associate, Wildlife Biologist
- William Wilson: Fisheries Biologist

LOCAL AGENCIES

City of Houston Alaska

- Elsie O'Brien: City Clerk

City of Palmer

- David Soulak: City Manager

Matanuska-Susitna Borough

Borough Office

- Rick Feller: Planner
- Claud Oxford: Engineer
- Rodney Schulling: Planning Director
- Lee Wyatt: Acting Borough Manager, Planning Director

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- Robert Goldberg: Attorney
- Douglas MacArthur: Special Projects Director

Cook Inlet Region, Incorporated

- Lynda Hays: Shareholder and Community Relations Coordinator
- Robert Rude: Senior Vice-President

Fairbanks Environmental Center
- Jeff Weltzin: Energy Coordinator
Land Field Services, Incorporated
- P. J. Sullivan: Representative
Norsk Hydro, Sweden
- Iver Hagen: Public Relations
Susitna Power Now
- E. Dischner: Executive Director

Report on Land Use

FEDERAL AGENCIES

United States Department of Agriculture

Economics, Statistics, and Cooperative Services

- Paul Fuglestad: Agricultural Economist, Natural Resource Economics Division

Soil Conservation Service

- Sterling Powell: Physical Engineer, Water Resource Specialist

United States Department of Defense

Air Force

- Major Fred Haas: Blair Lakes Range Officer, Deputy Director of Operations and Training

Army Corps of Engineers, Alaska District

- Loran Baxter: Civil Engineer
- Jeanne Bradley: Construction Inspector
- Col. Lee Nunn: District Engineer
- Lt. Col. J. Perkins: Deputy District Engineer

United States Department of Energy

Alaska Power Administration

- Fredrick Chieil: Deputy Regional Representative
- Robert Cross: Administrator
- Donald Shira: Chief of Planning

Federal Energy Regulatory Commission, Division of Licensed Projects

- Ronald Corso: Director
- Paul Carrier: Engineer
- Donald Clarke: Staff Counsel
- Thomas Dewit: Landscape Architect
- Quentin Edson: Chief, Environmental Analysis Branch
- Julian Flint: Supervisor, Engineering Project Analysis Branch
- Peter Foote: Fishery Biologist
- Donald Giampaoli: Department Director
- Mark Robinson: Environmental Biologist
- Dean Shumway: Chief, Conservation Section
- Gerald Wilson: Chief, Project Analysis

United States Department of Housing and Urban Development

- Debra Pevlear: Neighbor Volunteer and Consumer Protection Official

United States Department of the Interior

Bureau of Land Management

- Lee Barkow: Planner, Easement Identification Branch
- Patrick Beckley: Chief, Branch of Lands and Minerals
- Stanley Bronczyk: Chief, Easement Identification Branch
- Mike Brown: Historian
- Louis Carufel: Fisheries Biologist
- William Gabriell: Leader, Special Studies Group
- Art Hosterman: Chief, Branch of Biological Resources

- Steve Leskosky: Environmental Planner
- John Rego: Geologist
- Gary Seitz: Environmental Coordinator
- Tom Taylor: Cartographer, National Mapping Division
- Dick Tindall: Anchorage District Manager

Bureau of Mines

- Michael Brown: Chemist
- Bob Ward: Chief, Environmental Planning Staff

Fish and Wildlife Service

- Bruce Apple: Fisheries Biologist
- Dale Arhart: Staff Biologist
- Keith Baya: Assistant Director for the Environment
- Donald McKay: Wildlife Biologist
- Gary Stackhouse: Fish and Wildlife Biologist, Federal Projects/Technical Assistance Coordinator

Geological Survey

- Raymond George: Acting District Chief, Water Resources Division
- Robert Lamke: Chief, Hydrology Section

Heritage Conservation and Recreation Service

- Larry Wright: Review Section Chief, Federal Projects

National Park Service

- Brailey Breedlove: Landscape Architect
- Terry Carlstrom: Chief of Planning and Design
- Ross Cavanaugh: Fisheries Biologist
- Carl Stoddard: Park Ranger
- Howard Wagner: Associate Director of Professional Services

United States Environmental Protection Agency

Environmental Impact Statement Review Section

- Elizabeth Corbyn: Chief, Environmental Evaluation Branch

STATE AGENCIES

Alaska Department of Administration

Division of General Services and Supplies

- Bill Ower: Contracting Officer

Alaska Department of Commerce and Economic Development

- Charles Webber: Commissioner

Alaska Power Authority

- Bruce Bedard: Inspector, Native Liaison

Division of Energy and Power Development

- Heinz Noonan: Economist

Alaska Department of Community and Regional Affairs

- Lee McAnerney: Commissioner
- Edward Busch: Senior Planner
- Lemar Cotton: Planner III

Alaska Department of Environmental Conservation

- Ernst Mueller: Commissioner
- Robert Flint: Region II Program Coordinator
- Rikki Fowler: Ecologist
- Robert Martin: Regional Supervisor

- David Sturdevant: Management and Technical Assistant Ecologist
- Dan Wilkerson: Special Projects Planner
- Steve Zrake: Environmental Field Officer

Alaska Department of Fish and Game

Division of Game

- Karl Schneider: Research Coordinator

Division of Habitat Protection

- Thomas Arminski: Regional Land Specialist
- Phil Brna: Habitat Biologist II
- Carl Yanagawa: Regional Supervisor

Division of Sport Fisheries

- Thomas Trent: Regional Supervisor, Susitna Aquatic Studies Coordinator, Vice-Chairman of Susitna Steering Committee

Alaska Department of Natural Resources

- John Katz: Commissioner
- Robert LeResche: Commissioner

Division of Forest Land and Water

- Ted Smith: Director
- Mary Lou Harle: Water Management Officer
- Raymond Mann: Land Management Officer II
- Debbie Robertson: Land Management Officer II

Division of Lands

- Frank Mielke: Chief
- Dean Brown: Southcentral District Lands Officer
- Jim Fichione: Land Management Officer
- Michael Franger: Special Projects Officer
- Joe Joiner: Land Management Officer

Division of Minerals and Energy

- Glen Harrison: Director

Division of Parks

- Jack Wiles: Chief
- Ronald Crenshaw: State Park Planner
- Liza Holzapple: Park Planner
- Al Miner: Student Intern
- Doug Reger: State Archeologist
- Robert Shaw: State Historic Preservation Officer

Division of Research and Development

- Linda Arndt: Land Management Officer
- William Beatty: Planning Supervisor, Land Resources
- Christopher Beck: Planner III
- Al Carson: Deputy Director
- Randy Cowart: Planner V
- Dale Sterling: Historian
- Ronald Swanson: Land Management Officer, Policy Research Land Entitlement Unit

Division of Transportation and Public Facilities

- John Miller

Alaska Department of Public Safety

Division of Fish and Wildlife Protection

- Col. Robert Stickles: Director
- Wayne Fleek: Region III Commander
- Lt. Rod Mills: Administrative Officer
- Lt. Col. Tetzlaff: Deputy Director

Alaska Department of Transportation

- Jay Bergstrand: Transportation Planner IV
- Cathy Derickson: Transportation Planner
- Reed Gibby: Transportation Planner

Office of the Governor

Division of Policy Development and Planning

- Frances Ulmer: Director
- David Allison: Policy and Planning Specialist

University of Alaska

Arctic Environmental Information and Data Center

- Chuck Evans: Research Associate, Wildlife Biologist
- William Wilson: Fisheries Biologist

Geophysical Institute

- Ken Dean: Remote Sensing Geologist
- Ian Hutchison: Professor of Physics

Geology Department

- Steve Hardy: Geologist

Museum

- Robert Thorson: Geologist

LOCAL AGENCIES

City of Houston, Alaska

- Elsie O'Brien: City Clerk

City of Palmer

- David Soulak: City Manager

City of Wasilla

- Earling Nelson: City Clerk

Fairbanks North Star Borough

- Paula Twelker: Planner II

Matanuska-Susitna Borough

Borough Office

- Rick Feller: Planner
- Claud Oxford: Engineer
- Rodney Schulling: Planning Director
- Lee Wyatt: Acting Borough Manager, Planning Director

School District

- Mr. Hotchkiss: Business Manager
- Kenneth Kramer: Superintendent

OTHER INSTITUTIONS, ORGANIZATIONS AND INDIVIDUALS

Institutions and Organizations

Ahtna, Inc.

- Lee Adler: Director
- Robert Goldberg: Attorney
- Douglas MacArthur: Special Projects Director

- Chuck McMahon: Pilot, Hunter, Trapper, Fisherman in Upper Susitna Basin
- Cleo McMahon: Pilot, Hunter in Upper Susitna Basin
- Tom Mercer: President of Denali Wilderness Treks, Bush Pilot, Dog Musher
- James Moran: Pilot, Partner in Tsusena Lake Lodge
- Mrs. Ken Oldham: Co-owner of High Lake Lodge, Guide, Bush Pilot, Author
- Butch Potterville: Sportfish Biologist in Upper Susitna Basin
- Andy Runyon: Pilot, Hunter
- Roberta Sheldon: Partner in Sheldon Air Service, Talkeetna Resident
- Judy Simco: Hunter, Trapper
- Kathy Sullivan: Owner of Genet Expeditions
- Minnie Swanda: Widow of Master Guide, Talkeetna Resident
- Jake Tansy: Native Hunter and Trapper
- Bob Toby: Game Biologist, Hunter
- Lee and Helen Tolefson: Subsistence Trappers/Hunters, Talkeetna Residents
- Mrs. Oscar Vogel: Hunter, Trapper, Stephan Lake Resident, Widow of Master Guide
- Jeff Weltzin: Devil Canyon Backpacker
- Ed Wick: Talkeetna Resident

Chickaloon Village

- Jess Landsman: President

Cook Inlet Aquaculture Association

- Floyd Heimback: Director

Cook Inlet Region, Incorporated

- Agnes Brown: Executive
- Lynda Hays: Shareholder and Community Relations Coordinator
- Robert Rude: Senior Vice-President
- Marge Sargerser: Land Manager
- John Youngblood: Executive Director

Fairbanks Environmental Center

- Jeff Weltzin: Energy Coordinator

Holmes and Narver

- James Pederson: Susitna Project Manager

Keual Village

- James Shoalwolfer: President

Knikatu Incorporated

- Paul Theadore: Chief

Mahay's Riverboat Service

- William Correra: Guide

Ninilchik Native Association, Incorporated

- Arnold Orhdhoff: Chief

Ninilchik Village

- Arnold Orhdhoff: President

Norsk Hydro, Sweden

- Iver Hagen: Public Relations

Northwest Alaskan Pipeline Company

- Susan Fisson: Director, Socioeconomic Analysis

Palmer Valley Hospital

- Valerie Blakeman: Administrative Secretary
- Rae-Ann Hickling: Consultant

Salamatoff Native Association, Incorporated

- Andy Johnson: President

Seldovia Native Association, Incorporated

- James Segura: Chief

Susitna Power Now

- E. Dischner: Executive Director

Tyonek Native Corporation

- Agnes Brown: President

Individuals

- Warren Ballard: Game Biologist, Hunter
- Dennis Brown: President Akland Air Service
- Verna and Carrol Close: Owners of Talkeetna Roadhouse
- Mike Fisher: Pilot, Talkeetna Resident
- Jim and Vonnie Grimes: Pilots, Owners of Adventures Unlimited Lodge
- Pete Hagglund: President of Alaska Central Air, Pilot
- Paul Holland: Owner-Manager of Evergreen Lodge, Boater
- Cliff Hudson: Owner/Pilot of Hudson's Air Taxi, Talkeetna Resident
- John Ireland: Alaskan Sourdough, Murder Lake Resident
- Dave Johnson: Manager, Denali State Park
- Dorothy Jones: President of Talkeetna Historical Society, Representative-elect of Mat-Su Borough Assembly
- Frenchy Lamoureux: Hunter, Trapper, Wife and Mother of Big Game Guides
- Don Lee: Manager Stephan Lake Lodge, Pilot

APPENDIX B-1

FORMAL AGENCY COORDINATION CORRESPONDENCE



UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
Water Resources Division
733 W. Fourth Ave., Suite 400
Anchorage, Alaska 99501

July 27, 1981

RECEIVED

JUL 30 1981

ALASKA POWER AUTHORITY

Al Carson
State of Alaska
Department of Natural Resources
323 E. Fourth Avenue
Anchorage, Alaska 99501

Dear Mr. Carson:

I have reviewed the Draft Development Selection Report for the proposed Susitna Hydroelectric Project as requested in the APA transmittal of June 18, 1981. The review was limited to the evaluation process used by Acres, the relative impacts of several alternative development plans of Susitna hydroelectric resources, and the conclusion that the Watana-Devil Canyon plan is the preferred basin alternative.

There were no problems involved in understanding the selection process used by Acres and there were enough data and information presented to compare the final candidate (alternative) plans. The relative impacts of the candidates were presented in an understandable and credible manner. Although only a qualitative evaluation of impacts is presented (pending reports of on-going studies), a reasonable conclusion is that the Watana-Devil Canyon plan is the preferred candidate for Susitna hydroelectric development.


Robert D. Lamke

cc: David D. Wozniak, Project Engineer, APA, Anchorage, AK /



United States Department of the Interior

NATIONAL PARK SERVICE

ALASKA STATE OFFICE

334 West Fifth Avenue, Suite 250

Anchorage, Alaska 99501

IN REPLY REFER TO:

1201-03a

AUG 5 1981

RECEIVED

AUG 7 1981

ALASKA POWER AUTHORITY

Mr. David D. Wozniak
Susitna Hydro Project Engineer
Alaska Power Authority
333 West 4th Avenue, Suite 31
Anchorage, AK 99501

Dear David:

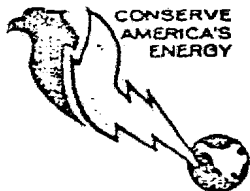
In response to your request I have reviewed the Draft Development Selection Report for the Susitna Project. Based upon the information presented in the report, I would judge the evaluation process to be satisfactory. However, I would not want to recommend or otherwise comment on a preferred basin alternative prior to the completion of ongoing studies which will further quantify the anticipated environmental impacts. I assume the final report will reflect a more precise comparison of environmental impacts for the dam sites under consideration.

An additional item of interest which should perhaps be included in the final report is a comparison of the expected life of the project for each alternative dam site considering the effect of silt accumulation in the reservoirs.

Thank you for the opportunity to review the report. The above comments are my own and should not be interpreted as representing the official position of the National Park Service.

Sincerely,

Larry M. Wright
Outdoor Recreation Planner



Save Energy and You Serve America!

September 4, 1981
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T.1129

| |
|------------------------------|
| WILLETT |
| WITTE |
| BERRY |
| <i>8/28</i> K. CAD |
| <i>7/11</i> K. HAYDEN |
| LAMB |
| LAWRENCE |
| SINCLAIR |
| VANDERBURGH |
| <i>8/28</i> K. J. CARLSON |
| FRETZ |
| JEX |
| LOWREY |
| INGH |
| <i>8/28</i> K. MUSTEAD |
| BOVE |
| <i>8/28</i> K. CHASE |

Mr. Sterling R. Osborne
United States Department of the Interior
Geological Survey
Conservation Division
P.O. Box 2967
Portland, Oregon 97208

Dear Mr. Osborne:

Susitna Hydroelectric Project
Reports

This is in reference to your letter dated August 11. We will be pleased to add your office to the mailing list for "Rapport".

Our Client, the Alaska Power Authority, requires that we undertake on their behalf both formal and informal coordination with all federal and state agencies that have a direct interest in the Susitna Project. This of course is also a requirement of the FERC Licensing process. As part of this process we are coordinating with your Anchorage office through Mr. Robert D. Lanke, who has already received and commented on various project documents as they have been produced.

By copy of this letter I will request Mr. David Wozniak of the Alaska Power Authority to add your office to the mailing list for appropriate project reports and newsletters.

Sincerely,



John D. Lawrence
Project Manager

JDL/jmh

xc: D. Wozniak (APA)
J. G. Warnock

RECEIVED

November 9, 1981
P5700.06

NOV 13 1981

Alaska Dept. of Fish & Game
Sport Fish/Susitna Hydro

Mr. Ronald O. Skoog
Commissioner
State of Alaska Department of Fish and Game
Juneau, Alaska 99801

Susitna Hydroelectric Project
Development Selection Report

Dear Mr. Skoog:

As you know, Acres American Incorporated is under contract to the Alaska Power Authority to conduct a feasibility study and prepare a Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. The scheduled date for submission of the application is in June of 1982.

Federal law and FERC regulations require that the reports supporting the FERC application be prepared in consultation with Federal and State agencies having managerial authority over certain project aspects. This coordination must be documented in the license application.

A great deal of coordination has taken place at agency staff levels by direct participation in studies or by participation in committees and task groups. This input, however, has been primarily by staff and may not necessarily reflect the views of the agency. For this reason, we are conducting a parallel formal coordination process by requesting agency comments on key study outputs. The plan of study was the first document coordinated in this manner. Over the next year, there will be several more. This parallel process will affect the other coordination activities of the study.

At this time, we request that the Department of Fish and Game review the attached Report, "Development Selection Report", particularly in the areas impacting on the fish and game resources.

ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building, Main at Court

Buffalo, New York 14202

Telephone 716-833-7525

Telex 91-6423 ACRES BUF

Other Offices: Columbia, MD; Pittsburgh, PA; Raleigh, NC; Washington, DC

November 9, 1981

Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipts would be greatly appreciated. Please send a copy of your comments to:

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

John Lawrence/dip

John D. Lawrence
Project Manager

JDL/MMG:jgk

cc: Eric Yould, Alaska Power Authority
Mr. Thomas Trent, Department of Fish & Game

November 9, 1981
P5700.11.75
T.1258

Mr. John Rego
Bureau of Land Management
701-C Street
Anchorage, Alaska 99501

Susitna Hydroelectric Project
Transmission Corridor Report

Dear Mr. Rego:

As you know, Acres American, Incorporated is under contract to the Alaska Power Authority to conduct a feasibility study and prepare a Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. The scheduled date for submission of the application is in June of 1982.

Federal law and FERC regulations require that the reports supporting the FERC application be prepared in consultation with Federal and State agencies having managerial authority over certain project aspects. This coordination must be documented in the license application.

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At this time, we request that the Bureau of Land Management review the attached Report, "Transmission Line Corridor Screening Closeout Report", particularly in the areas of aesthetics, land use, and land management.

ACRES AMERICAN INCORPORATED

Development Selection Report - 2

November 9, 1981

Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipts would be greatly appreciated. Please send a copy of your comments to:

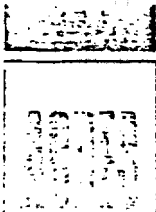
Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

Dorothy Clute
for John D. Lawrence
Project Manager

JDL/MMG:jgk

cc: Eric Yould, Alaska Power Authority *dl*



November 9, 1981
P5700.11.71
T.1268

Mr. Keith Schreiner
Regional Director, Region 7
U.S. Fish and Wildlife Service
1011 E. Tudor Road
Anchorage, Alaska 99503

Susitna Hydroelectric Project
Transmission Corridor Report

Dear Mr. Schreiner:

As you know, Acres American, Incorporated is under contract to the Alaska Power Authority to conduct a feasibility study and prepare a Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. The scheduled date for submission of the application is in June of 1982.

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At this time, we request that the U.S. Fish and Wildlife Service review the attached Report, "Transmission Line Corridor Screening Closeout Report", particularly in the areas impacting on the fish and wildlife resources.

ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building, Main at Court

Buffalo, New York 14202

Telephone 262-7100

Telex 1443 ACRES

November 9, 1981

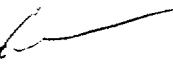
Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipts would be greatly appreciated. Please send a copy of your comments to:

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

for Dorothy Chute
John D. Lawrence
Project Manager

JDL/MMG:jgk

cc: Eric Yould, Alaska Power Authority 

November 9, 1981
P5700.11.74
T.1263

Mr. Robert Shaw
State Historic Preservation Officer
Alaska Department of Natural Resources
Division of Parks
619 Warehouse Avenue, Suite 210
Anchorage, Alaska 99501

Susitna Hydroelectric Project
Transmission Corridor Report

Dear Mr. Shaw:

As you know, Acres American, Incorporated is under contract to the Alaska Power Authority to conduct a feasibility study and prepare a Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. The scheduled date for submission of the application is in June of 1982.

Federal law and FERC regulations require that the reports supporting the FERC application be prepared in consultation with Federal and State agencies having managerial authority over certain project aspects. This coordination must be documented in the license application.

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At this time, we request that the State Historic Preservation Officer review the attached Report, "Transmission Line Corridor Screening Closeout Report", particularly in the areas impacting on cultural resources.

ACRES AMERICAN INCORPORATED

Consulting Engineers

Three City Park Drive, Anchorage, Alaska

99503-1000

Telephone: (907) 561-1111 Telex: 141450 ACRES

Circle 10 on Reader Service Card

November 9, 1981

Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipts would be greatly appreciated. Please send a copy of your comments to:

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

Dorothy Chute

for John D. Lawrence
Project Manager

JDL/MMG:jgk

cc: Eric Yould, Alaska Power Authority
Mr. Alan Carson, Alaska Department of Natural Resources *> do*

November 9, 1981
P5700.11.74
T.1260

Mr. John Katz
Alaska Department of Natural Resources
Pouch M
Juneau, Alaska 99811

Susitna Hydroelectric Project
Transmission Corridor Report

Dear Mr. Katz:

As you know, Acres American, Incorporated is under contract to the Alaska Power Authority to conduct a feasibility study and prepare a Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. The scheduled date for submission of the application is in June of 1982.

Federal law and FERC regulations require that the reports supporting the FERC application be prepared in consultation with Federal and State agencies having managerial authority over certain project aspects. This coordination must be documented in the license application.

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At this time, we request that the Department of Natural Resources review the attached Report, "Transmission Line Corridor Screening Closeout Report", particularly in the areas of water quality and use, aesthetics and land use.

ACRES AMERICAN INCORPORATED

Corporation

10000th Avenue, Anchorage, Alaska 99503

Phone: (907) 556-1111

Telex: 154140 ACRES

Development Selection Report - 2

November 9, 1981

Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipts would be greatly appreciated. Please send a copy of your comments to:

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

for Anthony Chute

John D. Lawrence
Project Manager

JDL/MMG:jgk

cc: Eric Yould, Alaska Power Authority
Mr. Alan Carson, Alaska Department of Natural Resources

1997

Trans. Am. Entomol. Soc. 1964, vol. 38, no. 1, p. 106. 1965, vol. 39, no. 1, p. 106.

Development Selection Report - 2

November 9, 1981

Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipts would be greatly appreciated. Please send a copy of your comments to:

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

Dorothy Chute

for

John D. Lawrence
Project Manager

JDL/MMG:jgk

cc: Eric Yould, Alaska Power Authority
Mr. Larry Wright, National Park Service *[Signature]*

November 9, 1981

P5700.11.91

T.1267

Regional Administrator
Region X
U.S. Environmental Protection Agency
1200 South Avenue
Seattle, WA 98101

Susitna Hydroelectric Project
Transmission Corridor Report

Dear Sirs:

As you know, Acres American, Incorporated is under contract to the Alaska Power Authority to conduct a feasibility study and prepare a Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. The scheduled date for submission of the application is in June of 1982.

Federal law and FERC regulations require that the reports supporting the FERC application be prepared in consultation with Federal and State agencies having managerial authority over certain project aspects. This coordination must be documented in the license application.

A great deal of coordination has taken place at agency staff levels by direct participation in studies or by participation in committees and task groups. This input, however, has been primarily by staff and may not necessarily reflect the views of the agency. For this reason, we are conducting a parallel formal coordination process, by requesting agency comments on key study outputs. The plan of study was the first document coordinated in this manner. Over the next year, there will be several more. This parallel process will affect the other coordination activities of the study.

At this time, we request that the Environmental Protection Agency review the attached Report, "Transmission Line Corridor Screening Closeout Report", particularly in the areas impacting on land, water, or air quality.

ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building, 1000 1st Street

Buffalo, New York 14202

Telephone: (716) 835-1111 Telex: 400111 ACRES

November 9, 1981

Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipts would be greatly appreciated. Please send a copy of your comments to:

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

for Dorothy Chute

John D. Lawrence
Project Manager

JDL/MMG:jgk

cc: Eric Yould, Alaska Power Authority
Judy Swartz, U.S. Environmental Protection Agency

November 9, 1981

P5700.11.92

T.1262

Mr. Lee McAnerney
State Archeologist
Department of Regional Affairs
Pouch B
Juneau, Alaska 99811

Susitna Hydroelectric Project
Transmission Corridor Report

Dear Mr. McAnerney:

As you know, Acres American, Incorporated is under contract to the Alaska Power Authority to conduct a feasibility study and prepare a Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. The scheduled date for submission of the application is in June of 1982.

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At this time, we request that the Department of Regional Affairs review the attached Report, "Transmission Line Corridor Screening Closeout Report", particularly in the area of history and archeology.

ACRES AMERICAN INCORPORATED

Development Selection Report - 2

November 9, 1981

Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipts would be greatly appreciated. Please send a copy of your comments to:

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

Dorothy Chute

JDL
John D. Lawrence
Project Manager

JDL/MMG:jgk

cc: Eric Yould, Alaska Power Authority *[Signature]*

November 9, 1981
P5700.11.92
T.1266

Mr. Robert McVey
Director, Alaska Region
National Marine Fisheries Service
NOAA
P.O. Box 1668
Juneau, Alaska 99802

Susitna Hydroelectric Project
Transmission Corridor Report

Dear Mr. McVey:

As you know, Acres American, Incorporated is under contract to the Alaska Power Authority to conduct a feasibility study and prepare a Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. The scheduled date for submission of the application is in June of 1982.

Federal law and FERC regulations require that the reports supporting the FERC application be prepared in consultation with Federal and State agencies having managerial authority over certain project aspects. This coordination must be documented in the license application.

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At this time, we request that the National Marine Fisheries Service review the attached Report, "Transmission Line Corridor Screening Closeout Report", particularly in the areas, impacting on the marine resources.

ACRES AMERICAN INCORPORATED

November 9, 1981

Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipts would be greatly appreciated. Please send a copy of your comments to:

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

Dorothy Chute

for John D. Lawrence
Project Manager

JDL/MMG:jgk

cc: Eric Yould, Alaska Power Authority
Mr. Ron Morris, National Marine Fisheries Service

November 9, 1981

P5700.11.73

T.1269

Col. Lee Nunn
District Engineer
U.S. Army Corps of Engineers
Anchorage District
P.O. Box 7002
Anchorage, Alaska 99510

Susitna Hydroelectric Project
Transmission Corridor Report

Dear Col. Nunn:

As you know, Acres American, Incorporated is under contract to the Alaska Power Authority to conduct a feasibility study and prepare a Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. The scheduled date for submission of the application is in June of 1982.

Federal law and FERC regulations require that the reports supporting the FERC application be prepared in consultation with Federal and State agencies having managerial authority over certain project aspects. This coordination must be documented in the license application.

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At this time, we request that the U.S. Army Corps of Engineers review the attached Report, "Transmission Line Corridor Screening Closeout Report", particularly in the areas impacting on land and water quality.

ACRES AMERICAN INCORPORATED

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1111 1111 1111
1111 1111 1111

Corps of Engineers

November 9, 1981

Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipts would be greatly appreciated. Please send a copy of your comments to:

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

for *Barney Clark*

John D. Lawrence
Project Manager

JDL/MMG:jgk

cc: Eric Yould, Alaska Power Authority *cl*

November 9, 1981
P5700.11.92
T.1264

Mr. Ernest W. Mueller
Commissioner
Alaska Department of Environmental Conservation
Juneau, Alaska 99801

Susitna Hydroelectric Project
Transmission Corridor Report

Dear Mr. Mueller:

As you know, Acres American, Incorporated is under contract to the Alaska Power Authority to conduct a feasibility study and prepare a Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. The scheduled date for submission of the application is June of 1982.

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At this time, we request that the Department of Environmental Conservation review the attached Report, "Transmission Line Corridor Screening Closeout Report", particularly in the areas impacting on the air, land, and water quality.

ACRES AMERICAN INCORPORATED

10000 1st Avenue
Juneau, Alaska 99801
Phone: (907) 586-1234

1-800-555-1234

Development Selection Report - 2

November 9, 1981

Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipt would be greatly appreciated. Please send a copy of your comments to:

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

Anthony Chute

for John D. Lawrence
Project Manager

JDL/MMG:jgk

cc: Eric Yould, Alaska Power Authority
Mr. Bob Martin, Alaska Department of Environmental Conservation *cl*

November 9, 1981

P5700.11.92

T.1257

Mr. Tom Barnes
Office of Coastal Management
Division of Policy Development & Planning
Pouch AP
Juneau, Alaska 99811

Susitna Hydroelectric Project
Transmission Corridor Report

Dear Mr. Barnes:

As you know, Acres American, Incorporated is under contract to the Alaska Power Authority to conduct a feasibility study and prepare a Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. The scheduled date for submission of the application is in June of 1982.

Federal law and FERC regulations require that the reports supporting the FERC application be prepared in consultation with Federal and State agencies having managerial authority over certain project aspects. This coordination must be documented in the license application.

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At this time, we request that the Office of Coastal Management review the attached Report, "Transmission Line Corridor Screening Closeout Report", particularly in the areas affecting coastal management.

ACRES AMERICAN INCORPORATED

Development Selection Report - 2

November 9, 1981

Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipts would be greatly appreciated. Please send a copy of your comments to:

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

for *Anthony White*
John D. Lawrence
Project Manager

JDL/MMG:jgk

cc: Eric Yould; Alaska Power Authority *d*

ALASKA RESOURCES LIBRARY
U.S. Department of the Interior



November 19, 1981
P5700.11.92

Mr. Ernest W. Mueller
Commissioner
Alaska Department of Environmental Conservation
Juneau, Alaska 99801

Susitna Hydroelectric Project
Fish and Wildlife Mitigation Policy

Dear Mr. Mueller:

As you know, Acres American, Incorporated is under contract to the Alaska Power Authority (APA) to conduct a feasibility study and prepare a Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. The scheduled date for submission of the application is in June of 1982.

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At this time, we request that the Alaska Department of Environmental Conservation review the attached Fish and Wildlife Mitigation Policy, which has been developed by APA, the resource agencies and Terrestrial Environmental Specialists.

ACRES AMERICAN INCORPORATED

Consulting Engineers
The Liberty Bank Building Main at Court
Buffalo, New York 14202

Telephone 716-813-7125 Telex 91-6423 ACRES BUF

November 19, 1981

Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipts would be greatly appreciated. Please send a copy of your comments to me and to:

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

John D. Lawrence /MLG

John D. Lawrence
Project Manager

JDL/MMG:jgk
Enc.

cc: Bob Martin
(letter only)



November 19, 1981
P5700.11.91

Mr. Robert McVey
Director, Alaska Region
National Marine Fisheries Service
NOAA
P.O. Box 1668
Juneau, Alaska 99802

Susitna Hydroelectric Project
Fish and Wildlife Mitigation Policy

Dear Mr. McVey:

As you know, Acres American, Incorporated is under contract to the Alaska Power Authority (APA) to conduct a feasibility study and prepare a Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. The scheduled date for submission of the application is in June of 1982.

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ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building Main at Court

Buffalo New York 14202

Telephone 716-853-7125

Telex 91-6423 ACRES BUF

Fish and Wildlife Mitigation Policy
Page 2

November 19, 1981

Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipts would be greatly appreciated. Please send a copy of your comments to me and to:

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

John D. Lawrence / MG

John D. Lawrence
Project Manager

JDL/MMG:jgk
Enc.

cc: Ron Morris
(letter only)



November 19, 1981
P5700.11.91

Mr. Keith Schreiner
Regional Director, Region 7
U.S. Fish and Wildlife Service
1011 E. Tudor Road
Anchorage, Alaska 99503

Susitna Hydroelectric Project
Fish and Wildlife Mitigation Policy

Dear Mr. Schreiner:

As you know, Acres American, Incorporated is under contract to the Alaska Power Authority (APA) to conduct a feasibility study and prepare a Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. The scheduled date for submission of the application is in June of 1982.

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At this time, we request that the U.S. Fish and Wildlife Service review the attached Fish and Wildlife Mitigation Policy, which has been developed by APA, the resource agencies and Terrestrial Environmental Specialists.

ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building, Main at Court

Buffalo, New York 14202

Telephone 716-853-7525

Telex 91-6423 ACRES BUF

Other Offices: Columbia, MD; Pittsburgh, PA; Raleigh, NC; Washington, DC

Fish and Wildlife Mitigation Policy
Page 2

November 19, 1981

Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipts would be greatly appreciated. Please send a copy of your comments to me and to:

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

John D. Lawrence /MG

John D. Lawrence
Project Manager

JDL/MMG:jgk
Enc.



November 19, 1981
P5700.11.92

Mr. Ronald Skoog
Commissioner
State of Alaska Department of Fish and Game
Juneau, Alaska 99801

Susitna Hydroelectric Project
Fish and Wildlife Mitigation Policy

Dear Mr. Skoog:

As you know, Acres American, Incorporated is under contract to the Alaska Power Authority (APA) to conduct a feasibility study and prepare a Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. The scheduled date for submission of the application is in June of 1982.

Federal law and FERC regulations require that the reports supporting the FERC application be prepared in consultation with Federal and State agencies having managerial authority over certain project aspects. This coordination must be documented in the license application.

A great deal of coordination has taken place at agency staff levels by direct participation in studies or by participation in committees and task groups. This input, however, has been primarily by staff and may not necessarily reflect the views of the agency. For this reason, we are conducting a parallel formal coordination process, by requesting agency comments on key study outputs. The plan of study was the first document coordinated in this manner. Over the next year, there will be several more. This parallel process will affect the other coordination activities of the study.

At this time, we request that the State of Alaska Department of Fish and Game review the attached Fish and Wildlife Mitigation Policy, which has been developed by APA, the resource agencies and Terrestrial Environmental Specialists.

ACRES AMERICAN INCORPORATED

Consulting Engineers
The Liberty Bank Building Main at Court
Buffalo New York 14202

Telephone 716-853-7525

Telex 91-6423 ACRES BUF

November 19, 1981

Your prompt attention to this matter will enable us to continue planning the best possible development for all interests. A response within thirty days of receipts would be greatly appreciated. Please send a copy of your comments to me and to:

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Anchorage, Alaska 99501

Very truly yours,

John D. Lawrence /MG

John D. Lawrence
Project Manager

JDL/MMG:jgk
Enc.

cc: Tom Trent
(letter only)

SUSITNA HYDROELECTRIC PROJECT
REPORTS CIRCULATED FOR FORMAL AGENCY COORDINATION

| <u>NAME</u> | | <u>NUMBER KEY</u> |
|-------------|----------------------------------------------|-------------------|
| WILLETT | Plan of Study | 1 |
| VITTE | 1980 Environmental Summary Report | 2 |
| ERRY | | |
| | | |
| | | |
| HAYDEN | 1980 Fish Ecology Annual Report | 3 |
| LAMB | | |
| LAWRENCE | 1980 Plant Ecology Annual Report | 4 |
| INCLAIR | | |
| ANDERBURGH | 1980 Big Game Annual Report | 5 |
| | | |
| | 1980 Furbearer Annual Report | 6 |
| CARLSON | | |
| FRETZ | 1980 Birds and Non-Game Mammal Annual Report | 7 |
| NEX | | |
| OWREY | 1980 Land Use Annual Report | 8 |
| INGH | | |
| | 1980 Socioeconomic Annual Report | 9 |
| | | |
| HUSTEAD | 1980 Cultural Resources Annual Report | 10 |
| BOVE | | |
| | Transmission Line Corridor Screening Report | 11 |
| | | |
| CHASE | Development Selection Report | 12 |
| | | |
| | 1981 Final Subtask Report | 13 |
| | | |
| | Draft Feasibility Report | 14 |

| | <u>Reports sent/to be sent</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Regional Administrator Region X U.S. Environmental Protection Agency 1200 South Avenue Seattle, WA 98101 | 1, 2, 11, 12, 13, 14 |
| Col. Lee Nunn District Engineer U.S. Army Corps of Engineers Anchorage District P.O. Box 7002 Anchorage, Alaska 99510 | 1, 2, 11, 12, 13, 14 |
| Mr. Keith Schreiner Regional Director, Region 7 U.S. Fish and Wildlife Service 1011 E. Tudor Road Anchorage, Alaska 99503 | 1, 2, 3, 4, 5, 6, 7, 11, 12, 13, 14 |
| Mr. Robert McVey Director, Alaska Region National Marine Fisheries Service NOAA P.O. Box 1668 Juneau, Alaska 99802 | 1, 2, 3, 4, 5, 6, 7, 11, 12, 13, 14 |
| Mr. John E. Cook Regional Director Alaska Office National Park Service 540 West Fifth Avenue Anchorage, Alaska 99501 | 1, 2, 9, 10, 11, 12, 13, 14 |
| Mr. John Rego Bureau of Land Management 701-C Street Anchorage, Alaska 9950 | 1, 2, 8, 11, 12, 13, 14 |
| Mr. Larry Wright National Park Service 1011 E. Tudor Road, Suite 297 Anchorage, Alaska 99503 | 1, 2, 11, 12, 13, 14 |
| Ms. Judy Schwarz U.S. Environmental Protection Agency Mail Stop 443 Region X EPA 1200 South 6th Avenue Seattle, Washington 98101 | 1, 2, 11, 12, 13, 14 |
| Mr. Ron Morris Director, Anchorage Field Office National Marine Fisheries Service 701 C Street Box 43 Anchorage, Alaska 99513 | 1, 2, 11, 12, 13, 14 |

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Mr. Ronald O. Skoog Commissioner State of Alaska Department of Fish and Game Juneau, Alaska 99801 | <u>Reports sent/to be sent</u> 1, 2, 3, 4, 5, 6, 7, 11, 12, 13, 14 |
| Mr. Ernest W. Mueller Commissioner Alaska Department of Environmental Conservation Juneau, Alaska 99801 | 1, 2, 3, 4, 5, 6, 7, 11, 12, 13, 14 |
| Mr. Lee Wyatt Planning Director Matanuska-Susitna Barough Box B Palmer, Alaska 99811 | 1, 2, 11, 12, 13, 14 |
| Mr. Tom Barnes Office of Coastal Management Division of Policy Development & Planning Pouch AP Juneau, Alaska 99811 | 1, 2, 11, 12, 13, 14 |
| Mr. Roy Huhndorf Cook Inlet Region Corporation P.O. Drawer 4N Anchorage, Alaska 99509 | 1, 2, 8, 11, 12, 13, 14 |
| Mr. Thomas Trent State of Alaska Department of Fish & Game 333 Raspberry Road Anchorage, Alaska 99502 | 1, 2, 11, 12, 13, 14 |
| Mr. Bob Martin Alaska Department of Environmental Conservation 437 E. Street, 2nd Floor Anchorage, Alaska 99501 | 1, 2, 11, 12, 13, 14 |
| Mr. Alan Carson Alaska Department of Natural Resources 323 East 4th Avenue Anchorage, Alaska 99501 | 1, 2, 11, 12, 13, 14 |
| Ms. Lee McAnerney Commissioner Department of Community & Regional Affairs Pouch B Juneau, Alaska 99811 | 1, 2, 9, 11, 12, 13, 14 |
| Mr. Robert Shaw State Historic Preservation Officer Alaska Department of Natural Resources Division of Parks 619 Warehouse Avenue, Suite 210 Anchorage, Alaska 99501 | 1, 2, 9, 10, 11, 12, 13, 14 |
| Mr. John Katz Alaska Department of Natural Resources Pouch M Juneau, Alaska 99811 | 1, 2, 8, 11, 12, 13, 14 |

November 25, 1981
P5700.11.92
T.1301

Mr. Tom Trent
Alaska Department of Fish and Game
2207 Spenard Road
Anchorage, AK 99503

Dear Mr. Trent:

Susitna Hydroelectric Project Report Review

As you discussed with Michael Grubb on November 24, 1981, I am enclosing the following Susitna Hydroelectric Reports which were also sent to Mr. Skoog for ADF&G review and comment:

1. 1980 Environmental Summary Report
2. 1980 Big Game Annual Report
3. 1980 Fish Ecology Annual Report
4. 1980 Plant Ecology Annual Report
5. 1980 Furbearer Annual Report
6. 1980 Bird and Non-Game Annual Report

As you suggested we will in the future send reports both to Mr. Skoog and directly to you.

Sincerely,

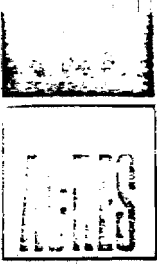
John D. Lawrence
Project Manager

MMG:d1p

xc: E. Yould/APA
R. Skoog/ADF&G

Enclosures

| ALASKA POWER AUTHORITY USITNA | |
|----------------------------------|---------|
| FILE P5700 11.92 | |
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| SNT | |
| DWL | |
| MRV | |
| HRC | |
| FILE | |



December 4, 1981
P5700.11.92
T.1325

Mr. Ernest W. Mueller
Commissioner
Alaska Department of Environmental Conservation
Juneau, Alaska 99801

Susitna Hydroelectric Project
Document Transmittal Form

Dear Mr. Mueller:

Enclosed is a document transmittal form which should have accompanied our package dated November 10 containing copies of the Development Selection Report and its appendices. The document transmittal form is part of a newly-implemented procedure at Acres which is intended to verify the arrival of documents shipped via various carriers and thus alleviate as quickly as possible any problems which may arise due to documents being misplaced during transit.

If you have any questions, please do not hesitate to call.

Sincerely yours,

John D. Lawrence
John D. Lawrence
Project Manager

JEM/jh
Enclosures

cc: Mr. Bob Martin ^{12/7}
Alaska Dept. of Environmental Conservation

ACRES AMERICAN INCORPORATED

Consulting Engineers
The Liberty Bank Building, Main at Court
Buffalo New York 14202

Telephone 716-853-7525

Telex 91-6423 ACRES BUF

ACRES

December 4, 1981
P5700.11.92
T.1330

Mr. Lee Wyatt
Planning Director
Matanuska-Susitna Barough
Box B
Palmer, Alaska 99645

Susitna Hydroelectric Project
Document Transmittal Form

Dear Mr. Wyatt:

Enclosed is a document transmittal form which should have accompanied our package dated November 10 containing copies of the Development Selection Report and its appendices. The document transmittal form is part of a newly-implemented procedure at Acres which is intended to verify the arrival of documents shipped via various carriers and thus alleviate as quickly as possible any problems which may arise due to documents being misplaced during transit.

If you have any questions, please do not hesitate to call.

Sincerely yours,

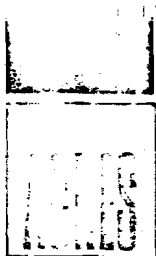
J.D. Lawrence
for John D. Lawrence
Project Manager

JEM/jh
Enclosures

ACRES AMERICAN INCORPORATED

Consulting Engineers
The Liberty Bank Building Main at Court
Buffalo, New York 14202

Telephone 716-853-7525 Telex 91-0423 ACPES BUF



December 4, 1981
P5700.11.91
T.1323

Mr. Robert McVey
Director, Alaska Region
National Marine Fisheries Service
NOAA
P.O. Box 1668
Juneau, Alaska 99802

WILLETT
WITTE
BERRY
HAYDEN
LAMB
LAWRENCE
SINCLAIR
VANDERBURGH

CARLSON
FRETZ
JEX
LOWREY
SINGH

HUSTEAD
BOVE

CHASE

Susitna Hydroelectric Project
Document Transmittal Form

Dear Mr. McVey:

Enclosed is a document transmittal form which should have accompanied our package dated November 10 containing copies of the Development Selection Report and its appendices. The document transmittal form is part of a newly-implemented procedure at Acres which is intended to verify the arrival of documents shipped via various carriers and thus alleviate as quickly as possible any problems which may arise due to documents being misplaced during transit.

If you have any questions, please do not hesitate to call.

Sincerely yours,

John D. Lawrence
John D. Lawrence
Project Manager

JEM/jh
Enclosures

cc: Mr. Ron Morris, Director 12/7
Anchorage Field Office National Marine Fisheries Service

ACRES AMERICAN INCORPORATED

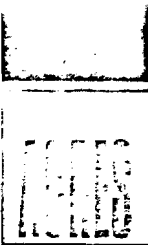
Consulting Engineers

The Liberty Bank Building Main at Court

Buffalo New York 14202

Telephone 716-853-7325

Telex 91-6423 ACRES BUF



December 4, 1981
P5700.11.91
T.1328

Mr. John E. Cook
Regional Director
Alaska Office
National Park Service
540 West Fifth Avenue
Anchorage, Alaska 99501

WILLETT
WITTE
ERRY
AYDEN
LAMB
LAWRENCE
SINCLAIR
ANDERBURGH

ARLSON
FRETZ
JEX
OWREY
INGH

Dear Mr. Cook:

Enclosed is a document transmittal form which should have accompanied our package dated November 10 containing copies of the Development Selection Report and its appendices. The document transmittal form is part of a newly-implemented procedure at Acres which is intended to verify the arrival of documents shipped via various carriers and thus alleviate as quickly as possible any problems which may arise due to documents being misplaced during transit.

If you have any questions, please do not hesitate to call.

Sincerely yours,

John D. Lawrence
for John D. Lawrence
Project Manager

JEM/jh
Enclosures

cc: Mr. Larry Wright
National Park Service

ACRES AMERICAN INCORPORATED

Consulting Engineers
The Liberty Bank Building Main at Court
Buffalo New York 14202

Telephone 716-853-7525

Telex 91-6423 ACRES BUF

ACRES

December 4, 1981
P5700.11.91
T.1320

Regional Administrator
Region X
U.S. Environmental Protection Agency
1200 South Avenue
Seattle, WA 98101

WILLETT
WITTE
BERRY

HAYDEN
LAMB
LAWRENCE
SINCLAIR
VANDERBURGH

CARLSON
FRETZ
JEX
LOWREY
SINGH

HUSTEAD
BOVE

CHASE

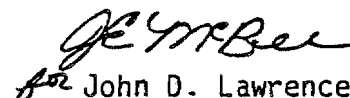
Susitna Hydroelectric Project
Document Transmittal Form

Dear Sirs:

Enclosed is a document transmittal form which should have accompanied our package dated November 10 containing copies of the Development Selection Report and its appendices. The document transmittal form is part of a newly-implemented procedure at Acres which is intended to verify the arrival of documents shipped via various carriers and thus alleviate as quickly as possible any problems which may arise due to documents being misplaced during transit.

If you have any questions, please do not hesitate to call.

Sincerely yours,


for John D. Lawrence
Project Manager

JEM/jh
Enclosures

cc: Ms. Judy Swartz
U.S. Environmental Protection Agency

ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building, Main at Court

Buffalo New York 14202

Telephone 716-833-7525

Telex 91-6423 ACRES BUF

December 4, 1981
P5700.11.70
T.1324

Mr. Ronald O. Skoog
Commissioner
Alaska Department of Fish and Game
Juneau, Alaska 99801

Susitna Hydroelectric Project
Document Transmittal Form

Dear Mr. Skoog:

Enclosed is a document transmittal form which should have accompanied our package dated November 10 containing copies of the Development Selection Report and its appendices. The document transmittal form is part of a newly-implemented procedure at Acres which is intended to verify the arrival of documents shipped via various carriers and thus alleviate as quickly as possible any problems which may arise due to documents being misplaced during transit.

If you have any questions, please do not hesitate to call.

Sincerely yours,

John D. Lawrence
John D. Lawrence
Project Manager

JEM/jh
Enclosures

cc: Mr. Thomas Trent 12/17
State of Alaska Dept. of Fish & Game

ACRES AMERICAN INCORPORATED

Consulting Engineers
The Liberty Bank Building, Main at Court
Buffalo, New York 14202

Telephone 716-883-7123

Telex 91 4421 ACAPS BUF

THE

TO: 91-6428 ACRES BUF

December 4, 1981
P5700.11.74
T.1329

Mr. John Katz
Alaska Department of Natural Resources
Pouch M
Juneau, Alaska 99811

Susitna Hydroelectric Project
Document Transmittal Form

Dear Mr. Katz:

Enclosed is a document transmittal form which should have accompanied our package dated November 10 containing copies of the Development Selection Report and its appendices. The document transmittal form is part of a newly-implemented procedure at Acres which is intended to verify the arrival of documents shipped via various carriers and thus alleviate as quickly as possible any problems which may arise due to documents being misplaced during transit.

If you have any questions, please do not hesitate to call.

Sincerely yours,

John D. Lawrence
for John D. Lawrence
Project Manager

JEM/jh
Enclosures

cc: Mr. Alan Carson
Alaska Dept. of Natural Resources

ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building Main at Court

Buffalo, New York 14202

Telephone 716-853-7625

Telex 111 6411 ACRES BUF

THE

Mr. Robert Shaw
State Historic Preservation Officer
Alaska Department of Natural Resources
Division of Parks
519 Warehouse Avenue, Suite 210
Anchorage, Alaska 99501

Dear Mr. Shaw:

Enclosed is a document transmittal form which should have accompanied our package dated November 10 containing copies of the Development Selection Report and its appendices. The document transmittal form is part of a newly-implemented procedure at Acres which is intended to verify the arrival of documents shipped via various carriers and thus alleviate as quickly as possible any problems which may arise due to documents being misplaced during transit.

If you have any questions, please do not hesitate to call.

Sincerely yours,

JE McBe
for John D. Lawrence
Project Manager

JEM/jh
Enclosures

cc: Mr. Alan Carson
Alaska Dept. of Natural Resources

ACRES AMERICAN INCORPORATED

Consulting Engineers
The Liberty Bank Building Main at Court
Buffalo, New York 14202

Telex: 91-6423 ACFES BUF



December 4, 1981
P5700.11.75
T.1331

Mr. John Rego
Bureau of Land Management
701-C Street
Anchorage, Alaska 99501

Susitna Hydroelectric Project
Document Transmittal Form

Dear Mr. Rego:

Enclosed is a document transmittal form which should have accompanied our package dated November 10 containing copies of the Development Selection Report and its appendices. The document transmittal form is part of a newly-implemented procedure at Acres which is intended to verify the arrival of documents shipped via various carriers and thus alleviate as quickly as possible any problems which may arise due to documents being misplaced during transit.

If you have any questions, please do not hesitate to call.

Sincerely yours,

John D. Lawrence
for John D. Lawrence
Project Manager

JEM/jh
Enclosures

ACRES AMERICAN INCORPORATED

Consulting Engineers
The Liberty Bank Building, Main at Court
Buffalo, New York 14202

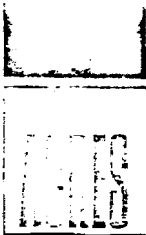
Telephone 716-853-7525

Telex 91-6423 ACRES BUF

T.1321

Anchorage, Alaska 99510

Other Offices: Columbia, MD; Pittsburgh, PA; Raleigh, NC; Washington, DC



December 4, 1981
P5700.11.91
T.1332

Mr. Tom Barnes
Office of Coastal Management
Division of Policy Development & Planning
Box AP
Juneau, Alaska 99811

Susitna Hydroelectric Project
Document Transmittal Form

Dear Mr. Barnes:

Enclosed is a document transmittal form which should have accompanied our package dated November 10 containing copies of the Development Selection Report and its appendices. The document transmittal form is part of a newly-implemented procedure at Acres which is intended to verify the arrival of documents shipped via various carriers and thus alleviate as quickly as possible any problems which may arise due to documents being misplaced during transit.

If you have any questions, please do not hesitate to call.

Sincerely yours,

John D. Lawrence

for John D. Lawrence
Project Manager

JEM/jh
Enclosures

ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building - Main at Court

Buffalo, New York 14202

Telephone 716-553-1525

Telex 914423 ACRES BUF

Other Offices: Columbia MD, Pittsburgh PA, Raleigh NC, Washington DC

DEPARTMENT OF NATURAL RESOURCES

RECEIVED

ACRES AMERICAN INCORPORATED

We feel that the steps taken thus far in the cultural resource management of the project have been excellent and one of the few instances of adequate lead time. We would like to make the observation that the work thus far is only preliminary to the work yet needed for the Susitna Hydroelectric project. Reconnaissance and testing of yet to be examined areas should continue. The clearances of specific areas of disturbance provided as additional survey by the Museum should indicate the continued need for clearances of ancillary projects which could affect cultural resources. Also, a formal mitigation plan for those sites to be affected by the project must be formulated. Once definite decisions on the route of access to the project area from existing road systems are made, those access routes and material sites must be examined for conflicts and needs for mitigation. Issuance of a permit by the Federal Energy Regulatory Commission should and probably will include provisions specifying under federal law the need for such protection.

F.317

10-111LM

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

OFFICE OF THE COMMISSIONER

Rec.
10/26/81
APA
JAY S. HAMMOND, GOVERNOR

SUPPORT BUILDING
JUNEAU, ALASKA 99801

October 23, 1981

Mr. Eric P. Yould
Alaska Power Authority
334 West 5th Avenue
Anchorage, Alaska 99501

Dear Mr. Yould:

Thank you for your invitation to place a member of my staff on the committee being established to review mitigatory recommendations for the Susitna Hydroelectric project. I have designated Mr. Carl Yanagawa, Regional Supervisor for the Habitat Division, to sit as our representative on the review committee.

I anticipate that Mr. Yanagawa will work closely with the other members of the committee, and with Tom Trent and Karl Schneider, to develop sound policy recommendations for Su-Hydro.

Mr. Yanagawa's office is in the Fish and Game building at 333 Raspberry Road and he can be reached at 267-2138.

Sincerely,

Ronald O. Skoog

for
Ronald O. Skoog
Commissioner
(907) 465-4100

U.S. ENVIRONMENTAL PROTECTION AGENCY

REGION X

1200 SIXTH AVENUE
SEATTLE, WASHINGTON 98101



REPLY TO
ATTN OF: M/S 443

RECEIVED

OCT 7 1981

ALASKA POWER AUTHORITY

Eric P. Yould, Executive Director
Alaska Power Authority
534 West 5th Avenue
Anchorage, Alaska 99501

RECEIVED

OCT 30 1981

ALASKA POWER AUTHORITY

Dear Mr. *Yould*:

The Environmental Protection Agency (EPA) accepts your invitation to participate on the Review Committee for the Fisheries Mitigation Task Force on the hydroelectric development of the Upper Susitna River Basin.

EPA generally relies on the state and Federal fish and wildlife agencies for the technical input and evaluation on such task forces. However, I feel that we may be able to provide as a member of the Review Committee, a different perspective which may help your efforts. Because of our limited resources both in staff and travel money, our participation will have to be somewhat limited.

I have designated Ms. Judi Schwarz as our formal contact for the activities of this Review Committee. Ms. Schwarz is in the Environmental Evaluation Branch in our Seattle Office and has had primary contact with the Susitna project through our EIS review responsibilities. She can be reached at (206) 442-1285. I have also asked Jim Sweeney, Director of our Alaska Operations Office to provide support in this effort because of his proximity and knowledge of the unique Alaska conditions. His telephone number in Anchorage is (907) 271-5083.

We look forward to actively participating on this Review Committee. Any information you can send us on the activities of the wildlife mitigation task force would be appreciated.

Thank you for giving us the opportunity to become actively involved in this important development.

Sincerely,

John R. Spencer
John R. Spencer
Regional Administrator

cc: Jim Sweeney

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

OFFICE OF THE COMMISSIONER

JAY S. HAMMOND, GOVERNOR

POUCH M
JUNEAU, ALASKA 99811
PHONE: (907) 465-2400

RECEIVED
DEC 7 1981
ALASKA POWER AUTHORITY

December 1, 1981

Mr. Eric Yould
Executive Director
Alaska Power Authority
334 West 5th Avenue
Anchorage, AK 99501

Dear Eric:

This letter is in response to your September 28, 1981 letter offering an opportunity for DNR participation on the mitigation review committee for the proposed Susitna Hydroelectric Project.

Al Carson of the Division of Research and Development will be our representative for the committee. He can be reached by phone at 276-2653.

Thanks for providing us with the opportunity to participate in this important endeavor.

Sincerely,



John W. Katz
Commissioner

cc: Reed Stoops

ALASKA POWER AUTHORITY

334 WEST 5th AVENUE - ANCHORAGE, ALASKA 99501

Phone: (907) 277-7647
(907) 276-0007

RECEIVED

DEC 14 1981

December 9, 1981

ACKED AMERICAN INCORPORATED

COPY

Mr. Keith Schreiner
Regional Director, Region 7
U.S. Fish & Wildlife Service
1011 E. Tudor Road
Anchorage, Alaska 99503

Dear Mr. Schreiner:

A member of your staff advises me you did not receive my letter of September 25, 1981, inviting your participation to the Susitna Hydroelectric Project mitigation Review Group. Let me hasten to repeat the invitation.

Integral to our study of the potential effects of hydroelectric development of the Upper Susitna River Basin is the formulation of fisheries mitigation plans. To that goal, a Fisheries Mitigation Task Force, in two parts, is being formed. One part will be a core group of the principal investigators. Their task will be to identify and address impacts, and develop appropriate mitigation plans. A Second group will act as a review committee commenting on the efforts of the core group.

You are invited to be a member of the Review Committee. If you agree, your role would be to work in concert with other concerned agencies to assess the adequacy of the impact predictions and associated mitigative planning. In addition to reaping the benefits of your expertise, your participation would also fulfill key consultation requirements outlined in the Federal Energy Regulatory Commission (FERC) regulations and in the provisions of the Fish and Wildlife Coordination Act.

A similar structure was established early this year for wildlife mitigation. An early objective will be to reorganize into one common review committee for mitigation, overseeing separate core groups for fisheries and wildlife. You might consider this when you appoint your organizational representative.

ALASKA POWER
AUTHORITY
SUSITNA

FILE P5700

SEQUENCE NO.

F. 2176

| ACTION | INFORM. | DISTRIB. | INITIAL |
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| | <input checked="" type="checkbox"/> | MMG | |
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| <input checked="" type="checkbox"/> | | FILE | |

Dear

I am enclosing for your review the following reports prepared by the Alaska Department of Fish and Game for the Susitna Hydroelectric Project:

1. Final Draft Report, Adult Anadromous Fisheries Project
2. Resident and Juvenile Anadromous Fish Investigations on the Lower Susitna River
3. Aquatic Habitat Investigations.

These reports are provided for your information only; they are not part of our formal Agency Coordination Program. Comments are not requested but will certainly be accepted.

Sincerely,

Mr. Al Carson
Division of Research & Development
Department of Natural Resources
323 East Fourth Avenue
Anchorage, Alaska 99501

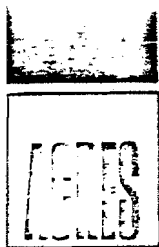
Mr. Bradley Smith
Environmental Assessment Division
National Marine Fisheries Service
Federal Building & U.S. Court House
701 C Street, Box 43
Anchorage, Alaska 99513

Mr. Michael Scott
District Fisheries Biologist
U.S. Bureau of Land Management
4700 East 72nd Street
Anchorage, Alaska 99507

Mr. Gary Stackhouse
U.S. Fish & Wildlife Service
1011 East Tudor Road
Anchorage, Alaska 99502

Mr. Carl Yanagawa
Regional Supervisor for Habitat Division
Alaska Department of Fish & Game
333 Raspberry Road
Anchorage, Alaska 99502

Ms. Judi Schwarz
Environmental Evaluation Branch
U.S. Environmental Protection Agency
Region X
1200 Sixth Avenue
Seattle, Washington 98101



December 18, 1981
P5700.11.91
T.1355

Ms. Janet McCabe
Area Director
U.S. Geological Survey
1011 E. Tudor
Suite 297
Anchorage, AK 99501

Dear Ms. McCabe:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation
Review Group

In September of this year the Alaska Power Authority (APA) invited you or a member of your staff to participate in a Fish and Wildlife Mitigation Review Group for the Susitna Hydroelectric Project. To date, APA has received no response.

The first Review Group meeting is to be held January 20, 1982, at 10:00 a.m. at the offices of APA. Please inform APA if you will be attending this meeting and if you wish to participate in future mitigation planning efforts. If so, we will send material for your review prior to this meeting.

Thank you.

Sincerely,

Kevin Young /mg

Kevin Young
Environmental Coordinator

MG:adh

cc: APA

ACRES AMERICAN INCORPORATED

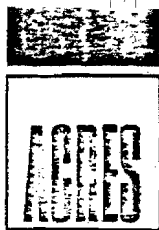
Consulting Engineers

The Liberty Bank Building Main at Court

Buffalo, New York 14202

Telephone 716-853-7525

Telex 91-6425 ACRES BUF



December 18, 1981
P5700.11.92
T1360

Mr. Carl Yanagawa
Regional Supervisor for Habitat Division
Alaska Department of Fish & Game
333 Raspberry Road
Anchorage, Alaska 99502

Dear Mr. Yanagawa:

As a member of the group established to review fish and wildlife mitigation recommendations on the Susitna Hydroelectric Project, I request your attendance at a meeting on January 20, 1982, at 10:00 a.m., in the office of the Alaska Power Authority. In the first week of January, I will forward for your review, a preliminary outline of project operations, impact issues, and mitigation options as prepared by our design team and the fish and wildlife mitigation technical core groups. I would appreciate receiving by January 30, 1982, any written comments you may have regarding our approach, results, or evaluations to date.

Following the preparation of the Feasibility Report, which will contain more detailed information on project operations and our evaluation of these operations, an opportunity will be provided for you to perform a more thorough review.

If you have any questions relating to this meeting or the proposed functions of the review group, please contact Mr. Dave Wozniak of APA or myself at 716-853-7525.

Sincerely,

Kevin Young / MG

Kevin Young
Susitna Environmental Coordinator

MG/jk

ACRES AMERICAN INCORPORATED

Consulting Engineers
The Liberty Bank Building, Main at Court
Buffalo, New York 14202

Telephone 716-853-7525 Telex 91-6423 ACRES BUF

Other Offices: Columbia, MD; Pittsburgh, PA; Raleigh, NC; Washington, DC



December 18, 1981
P5700.11.91
T1361

Ms. Judi Schwarz
Environmental Evaluation Branch
U.S. Environmental Protection Agency
Region X
1200 Sixth Avenue
Seattle, Washington 98101

Dear Ms. Schwarz:

As a member of the group established to review fish and wildlife mitigation recommendations on the Susitna Hydroelectric Project, I request your attendance at a meeting on January 20, 1982, at 10:00 a.m., in the office of the Alaska Power Authority. In the first week of January, I will forward for your review, a preliminary outline of project operations, impact issues, and mitigation options as prepared by our design team and the fish and wildlife mitigation technical core groups. I would appreciate receiving by January 30, 1982, any written comments you may have regarding our approach, results, or evaluations to date.

Following the preparation of the Feasibility Report, which will contain more detailed information on project operations and our evaluation of these operations, an opportunity will be provided for you to perform a more thorough review.

If you have any questions relating to this meeting or the proposed functions of the review group, please contact Mr. Dave Wozniak of APA or myself at 716-853-7525.

Sincerely,

Kevin Young /mg

Kevin Young
Susitna Environmental Coordinator

MG/jk

ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building, Main at Court

Buffalo, New York 14202

Telephone 716-853-7525

Telex 91-6423 ACRES BUF

Other Offices: Columbia, MD; Pittsburgh, PA; Raleigh, NC; Washington, DC



Blue

December 18, 1981
P5700.11.92
T1363

Mr. Bradley Smith
Environmental Assessment Division
National Marine Fisheries Service
Federal Building & U.S. Court House
701 C Street, Box 43
Anchorage, Alaska 99513

Dear Mr. Smith:

As a member of the group established to review fish and wildlife mitigation recommendations on the Susitna Hydroelectric Project, I request your attendance at a meeting on January 20, 1982, at 10:00 a.m., in the office of the Alaska Power Authority. In the first week of January, I will forward for your review, a preliminary outline of project operations, impact issues, and mitigation options as prepared by our design team and the fish and wildlife mitigation technical core groups. I would appreciate receiving by January 30, 1982, any written comments you may have regarding our approach, results, or evaluations to date.

Following the preparation of the Feasibility Report, which will contain more detailed information on project operations and our evaluation of these operations, an opportunity will be provided for you to perform a more thorough review.

If you have any questions relating to this meeting or the proposed functions of the review group, please contact Mr. Dave Wozniak of APA or myself at 716-853-7525.

Sincerely,

Kevin Young / MG

Kevin Young
Susitna Environmental Coordinator

MG/jk

ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building, Main at Court

Buffalo, New York 14202

Telephone 716-853-7525 - Telex 91-6423 ACRES BUF

Other Offices: Columbia, MD; Pittsburgh, PA; Raleigh, NC; Washington, DC

Blue



December 18, 1981
P5700.11.91
T1364

Mr. Al Carson
Division of Research & Development
Department of Natural Resources
323 East Fourth Avenue
Anchorage, Alaska 99501

Dear Mr. Carson:

As a member of the group established to review fish and wildlife mitigation recommendations on the Susitna Hydroelectric Project, I request your attendance at a meeting on January 20, 1982, at 10:00 a.m., in the office of the Alaska Power Authority. In the first week of January, I will forward for your review, a preliminary outline of project operations, impact issues, and mitigation options as prepared by our design team and the fish and wildlife mitigation technical core groups. I would appreciate receiving by January 30, 1982, any written comments you may have regarding our approach, results, or evaluations to date.

Following the preparation of the Feasibility Report, which will contain more detailed information on project operations and our evaluation of these operations, an opportunity will be provided for you to perform a more thorough review.

If you have any questions relating to this meeting or the proposed functions of the review group, please contact Mr. Dave Wozniak of APA or myself at 716-853-7525.

Sincerely,

Kevin Young / M G

Kevin Young
Susitna Environmental Coordinator

MG/jk

ACRES AMERICAN INCORPORATED

Consulting Engineers
The Liberty Bank Building Main at Court
Buffalo, New York 14202

Telephone 716-853-7525 Telex 91-6423 ACRES BUF

Other Offices: Columbia, MD; Pittsburgh, PA; Raleigh, NC; Washington, DC



December 18, 1981
P5700.11.91
T1359

Mr. Michael Scott
District Fisheries Biologist
U.S. Bureau of Land Management
4700 East 72nd Street
Anchorage, Alaska 99507

Dear Mr. Scott:

As a member of the group established to review fish and wildlife mitigation recommendations on the Susitna Hydroelectric Project, I request your attendance at a meeting on January 20, 1982, at 10:00 a.m., in the office of the Alaska Power Authority. In the first week of January, I will forward for your review, a preliminary outline of project operations, impact issues, and mitigation options as prepared by our design team and the fish and wildlife mitigation technical core groups. I would appreciate receiving by January 30, 1982, any written comments you may have regarding our approach, results, or evaluations to date.

Following the preparation of the Feasibility Report, which will contain more detailed information on project operations and our evaluation of these operations, an opportunity will be provided for you to perform a more thorough review.

If you have any questions relating to this meeting or the proposed functions of the review group, please contact Mr. Dave Wozniak of APA or myself at 716-853-7525.

Sincerely,

Kevin Young/MG

Kevin Young
Susitna Environmental Coordinator

MG/jk

ACRES AMERICAN INCORPORATED

Consulting Engineers
The Liberty Bank Building Main at Court
Buffalo, New York 14202

Telephone 716-853-7525 Telex 91-6423 ACRES BUF

Other Offices: Columbia, MD; Pittsburgh, PA; Raleigh, NC; Washington, DC



December 18, 1981
P5700.11.91
T1362

Mr. Gary Stackhouse
U.S. Fish & Wildlife Service
1011 East Tudor Road
Anchorage, Alaska 99502

Dear Mr. Stackhouse:

As a member of the group established to review fish and wildlife mitigation recommendations on the Susitna Hydroelectric Project, I request your attendance at a meeting on January 20, 1982, at 10:00 a.m., in the office of the Alaska Power Authority. In the first week of January, I will forward for your review, a preliminary outline of project operations, impact issues, and mitigation options as prepared by our design team and the fish and wildlife mitigation technical core groups. I would appreciate receiving by January 30, 1982, any written comments you may have regarding our approach, results, or evaluations to date.

Following the preparation of the Feasibility Report, which will contain more detailed information on project operations and our evaluation of these operations, an opportunity will be provided for you to perform a more thorough review.

If you have any questions relating to this meeting or the proposed functions of the review group, please contact Mr. Dave Wozniak of APA or myself at 716-853-7525.

Sincerely,

Kevin Young / MG

Kevin Young
Susitna Environmental Coordinator

MG/jk

ACRES AMERICAN INCORPORATED

Consulting Engineers
The Liberty Bank Building, Main at Court
Buffalo, New York 14202

Telephone 716-853-7525 Telex 91-6423 ACRES BUF

Other Offices: Columbia, MD; Pittsburgh, PA; Raleigh, NC; Washington, DC

January 7, 1982
P5700.11.70
T.1395

Mr. Carl Yanagawa
Regional Supervisor for Habitat Division
Alaska Department of Fish & Game
333 Raspberry Road
Anchorage, Alaska 99502

Dear Mr. Yanagawa:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation
Review Group Meeting

Enclosed for your review:

- 1) Susitna Hydroelectric Project Fish and Wildlife Mitigation Policy.
- 2) Draft Analysis of Wildlife Mitigation Options.
- 3) Draft Analysis of Fisheries Mitigation Options.

These documents will be discussed at the Fish and Wildlife Mitigation Review Group Meeting to be held at 9:00 a.m. (note change of time from letter of December 18, 1981) on January 20, 1982 at the office of the Alaska Power Authority, 334 West 5th Avenue, Anchorage. I hope you will be able to attend the meeting.

Sincerely yours,

Kevin R. Young
Susitna Environmental Coordinator

MNG/jmh

Enclosures



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
P.O. Box 1668
Juneau, Alaska 99802

October 6, 1981

RECEIVED

OCT 15 1981

ALASKA POWER AUTHORITY

Mr. Eric P. Yould
Executive Director
Alaska Power Authority
3334 West 5th Avenue
Anchorage, Alaska 99501

Dear Mr. Yould:

Involvement of this agency with efforts by others to explore the potential for hydroelectric development on the Susitna River dates back to 1973. In 1974, we had contracted Environaid for a study titled "A Hydrologic Reconnaissance of the Susitna River Below Devil's Canyon", and more recently we have been a participant on the Susitna Steering Committee.

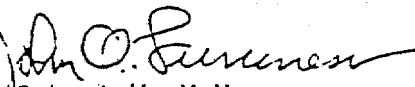
We appreciate the opportunity presented in your letter of September 25, 1981 to extend our participation by becoming a member on the Susitna Fisheries Mitigation Task Force, Review Committee. I have directed Brad Smith of our Environmental Assessment Division (EAD), Anchorage Field Office to represent National Marine Fisheries Service (NMFS) on this important committee. Mr. Smith will fully participate on the Review Committee and be responsible for drafting the recommended NMFS' position.

Please continue to send official correspondence through our Regional Office. Delays in NMFS response time associated with our routing of your materials to and from the Anchorage EAD Field Office could be reduced if you would provide a courtesy copy of correspondence directly to Mr. Smith.

Should you have further questions regarding Mr. Smith's involvement, please contact Ron Morris, the supervisor of the Anchorage EAD Field Office:

Bradley K. Smith and Ronald J. Morris
National Marine Fisheries Service
Federal Building & U.S. Court House
701 C Street, Box 43
Anchorage, Alaska 99513
Phone: (907) 271-5006

Sincerely,


for: Robert W. McVey
Director, Alaska Region





DEPARTMENT OF THE ARMY
ALASKA DISTRICT, CORPS OF ENGINEERS
P.O. BOX 7002
ANCHORAGE, ALASKA 99510

REPLY TO
ATTENTION OF:

NPAEN-PL-EN

13 OCT 1981

OCT 20 1981

Mr. Eric P. Yould
Executive Director
Alaska Power Authority
334 West 5th Avenue
Anchorage, Alaska 99501

Dear Mr. Yould:

This is in response to your letter of 25 September 1981 concerning Corps of Engineers participation in the Upper Susitna River Basin Fisheries Mitigation Review Committee.

Unfortunately, the continued funding and manpower constraints under which we must operate make it necessary for me to decline your invitation. However, we will provide the reviews required for the issuance of permits under our regulatory program.

If I can be of further assistance, please contact me directly. If further details are desired by your staff, contact can be made with Mr. Harlan Moore, Chief, Engineering Division at 752-5135.

Sincerely,

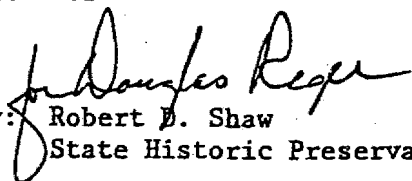
LEE R. NUNN
Colonel, Corps of Engineers
District Engineer

John D. Lawrence
December 4, 1981
Page 2 -

If you have any questions regarding our comments contained here, please call us. We look forward to receiving the report on 1981 field work.

Sincerely,

Chip Dennelein
Director


By: Robert D. Shaw
State Historic Preservation Officer

cc: Dr. E. James Dixon
Curator of Archaeology
University of Alaska Museum
University of Alaska
Fairbanks, Alaska 99701

Eric Yould
Executive Director
Alaska Power Authority
333 W. 4th Avenue
Anchorage, Alaska 99501

DR:clk

DIVISION OF RESEARCH & DEVELOPMENT

123 E. 4TH AVENUE
ANCHORAGE ALASKA 99501

1. The formal coordination plan as proposed by Acres has not been formally or informally discussed and reviewed with the agencies from which the Power Authority requires responses. This is probably the most significant objection we have with the approach of Acres. The contractor sent letters to heads of state and federal agencies requesting specific comments on detailed studies and reports associated with the Susitna Hydroelectric Project without having a complete understanding of the responsibilities and concerns of agencies.
2. Some of the reports which agencies will be requested to formally respond to will not be preceded by the relevant data and study findings from which the summary report and formal agency comments should be based. An obvious example is the review of the 1981 draft annual reports is required 2 months after the draft feasibility report review.

ALASKA POWER
AUTHORITY
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3. The proposed formal coordination plan, as described in the August 12, 1981, document from Acres to APA does not accurately describe all the parties and agencies who should receive certain documents.

The steering committee feels that the formal consultation process should proceed in a more coordinated and organized fashion in order to avoid unnecessary consequences caused by the problems we have identified above. We offer the following suggestions and comments:

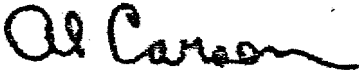
1. We recommend that the APA, as soon as possible, convene a formal meeting with agencies to establish the schedule and the process for formal coordination for this project. In light of the proposal to have a complete draft feasibility plan available on March 15, 1982, we urge that the Power Authority convene this meeting and get this matter sorted out with the agencies before January 1, 1982.
2. The formal coordination list that will be used for this project needs to be reviewed and approved by agency representatives to ensure that it is complete and comprehensive. Attached to this letter please find a series of additions to the 8/12/81 Acres list.
3. Review of the proposed F.E.R.C. regulations in volume 46 number 219 of the Federal Register dated 11/23/81 identified a list of information categories to be included in Exhibit E. Comparing these requirements to the 9/12/81 proposed coordination plan, we find the following agency review categories missing:
 - i) Socioeconomic studies
 - ii) Alternative designs, locations and energy sources
 - iii) Geological and soils studies

We agree with the APA approach of requesting early formal review and comments on policy related documents that are required in order to put the project proposal together. For example, the request for review of the fish and wildlife mitigation policy before the specific mitigation proposal for the project is submitted to agencies for review and comment.

In summary, the members of the steering committee found the proposed formal coordination plan to be revealing and useful to better understand how agencies will have to respond in order to meet the needs of APA. We are particularly encouraged to see that the instream flow study plan is planned to be available for review and comment by agencies in December of 1981. Since this is such a critical element of the Susitna Study Plan, this deserves attention and response from the agencies as soon as possible.

The steering committee hopes that you will find these comments and recommendations useful and constructive and is anxious to continue to provide informal review and advice to the Power Authority.

Sincerely yours,



Al Carson, Chairman
Susitna Hydroelectric Steering Committee

AC:db

cc: Steering Committee
Reed Stoops

Quentin Edson, Director, Division of Environmental Analysis, F.E.R.C.
A. Starker Leopold

12/9/81

Recommended additions to the 8/12/81 agency coordination list for Susitna Hydroelectric Project.

Water Quality and Use

Alaska DNR, DF & G
" DEC
U.S. Army, Corps of Engineers
" EPA, NPS
" F & WS, GS
" BLM, NMFS
AEIDC

Fish, Wildlife and Botanical

Alaska DF & G
" DEC
" DNR
U.S. F & WS, GS
" NMFS, EPA
" BLM
AEIDC

Historical and Archeological

Alaska DNR (SHPO), DF & G
" DCRA
U.S. NPS
" BLM
AEIDC

Recreation

Alaska DNR, DF & G
U.S. NPS
" F & WS, NMFS
Mat-Su Borough
AEIDC

Aesthetics and Land Use

Alaska DNR, DF & G
U.S. BLM, F & WS, NPS
CIRI
AEIDC

General

DPDP, OCM, Governor's Office

December 9, 1981
P5700.11.92
T.1338

Mr. David Haas
State-Federal Assistance Coordinator
State of Alaska
Office of the Governor
Division of Policy Development
and Planning
Pouch AW
Juneau, Alaska 99811

Dear Mr. Haas:

Susitna Hydroelectric Project
Formal Agency Coordination

This will hopefully address the issues raised in your letter of December 2, 1981.

- 1) We will send future correspondence to Ms. Wendy Wolf at the Alaska Office of Coastal Management. Thank you for notifying us of change in personnel.
- 2) We will send you copies of all future reports issued formally for agency review. My letter to you of November 24, 1981 listed all recipients and the reports they will receive.
- 3) This formal agency review process we are conducting is for several purposes. Although we have had many meetings with agency personnel, we have been informed their views do not necessarily represent those of their agencies. To insure concerns of the agencies are addressed and incorporated, where possible, into project planning and to receive agency input on the studies, we have implemented this formal process whereby project reports are sent to agency Commissioners and/or Directors. In addition, the Federal Energy Regulatory Commission requires documentation of agency input into project planning and mitigation.
- 4) The Feasibility Report will be issued by the Alaska Power Authority (APA). By copy of this letter, I will request you be placed on the distribution list.
- 5) The Environmental Impact Statement for this project will be prepared and issued by the Federal Agency Regulatory Commission, on the basis of a license application to be submitted by APA, should a decision be made to do so by the state. If you wish to coordinate mailing of this document, I suggest you contact Mr. Quentin Edson, Chief of the Environmental Division in Washington, D.C.

Mr. David Haas

December 9, 1981
page 2

I hope this clarifies matters. If you have further questions, please call.

Sincerely,



John D. Lawrence
Project Manager

MMG/jmh

cc: E. Yould, APA

U.S. ENVIRONMENTAL PROTECTION AGENCY

REGION X

1200 SIXTH AVENUE

SEATTLE, WASHINGTON 98101



REPLY TO
ATTN OF: M/S 443

RECEIVED

DEC 28 1981

ACRES AMERICAN INCORPORATED

DEC 21 1981

John D. Lawrence
Acres American, Incorporated
The Liberty Bank Building
Main at Court
Buffalo, New York 14202

SUBJECT: Susitna Hydroelectric Project, Summary Annual Environmental Report-1980 and Transmission Line Corridor Screening Report

Dear Mr. Lawrence:

Thank you for sending us the above reports for our review. We have also received the Development Selection Report and will be forwarding our comments to you on that report before the end of December.

We appreciate the extensive coordination effort and the opportunity to review and comment on Susitna reports as they are prepared. I further appreciate your attempts to ensure that the views of the Agency are adequately reflected in this process. While we have been coordinating with the Susitna Interagency Steering Committee, our budget restrictions have limited our active participation more than I would like. In this regard, it would be extremely helpful to us if you could provide us an overview of your consultation plan and the schedule for future reviews. This will better enable us to give you timely comprehensive comments on the various segments of the study, with the overall project perspective in mind.

EPA is particularly interested in information on wetland mapping, water quality and water quantity modeling and project alternatives. The 1980 Environmental Report appropriately points out the interrelationships and importance of these areas to wildlife survival and downstream fish ecology. However, it does not cover EPA's areas of interest directly. We would like to review the reports on these subjects when they are available.

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We support the emphasis in the Environmental Report and related studies on identifying ways to minimize the environmental impacts of the Susitna project. In particular, selection of the access route and type of access is an issue with long term environmental consequences which offers many opportunities for minimizing impacts. EPA supports the concept of minimizing impacts by use of a single corridor for both access and transmission needs, as pointed out in both the Transmission Line Corridor Screening Report and the Environmental Report. We encourage you to incorporate these kinds of suggestions from agencies and the Steering Committee into the project selection, construction and operation plans. Such commitments will certainly positively influence reviews of any FERC license application.

We have some concerns with the conclusions about the Central Study area in the Transmission Line Corridor Screening Report. There appear to be different opinions on the environmental consequences of selecting Corridor 1 versus Corridor 14. We feel that additional areas should be included in future studies of the central corridor, to provide a broader data base from which such conclusions can be drawn. More specifically, in this area, Corridor One (ABCD), which roughly follows the south side of the Susitna River, is the recommended corridor based on Acre's technical, economic and environmental criteria. Corridor 14 (AJCD) follows the same route as Corridor 1 from Gold Creek to Devils Canyon, but crosses to the north side of the Susitna River for the section from Devils Canyon to the Watana dam site. Corridor 14 has technical and economic ratings as high as Corridor 1, but was not recommended because of environmental and land use conflicts in segment CJ. On solely environmental grounds, it appears that an access route similar to Corridor 14 is preferred to Corridor 1 by both Terrestrial Environmental Specialists, Incorporated (Environmental Report page 73 and 82) and the Susitna Hydroelectric Steering Committee (letter from Al Carson, Chairman, to Eric Yould, dated November 5, 1981.) Therefore, the areas of the central corridor to be further studied should include the north side of the river between Devils Canyon and the Watana dam site to encompass segment CJA as well as segment CBA.

One reason for the different conclusions regarding the environmentally preferable route between Devils Canyon and the Watana Dam site may be the Environmental Report's and the Steering Committee's identification of the most environmentally sensitive areas, which then have the highest priority to be avoided. It may be desirable to use a similar approach during the more detailed route selection studies, especially in areas where wetlands must be crossed. Identifying and then avoiding primary and secondary impacts to the most valuable wetland habitats should be an important part of the more detailed studies of all three transmission study areas.

We appreciate the opportunity to review this report. Please contact me or Judi Schwarz, of my staff, if you would like to discuss our comments. We can be reached at (206) 442-1266 and (206) 442-1096, respectively.

Sincerely yours,



John R. Spencer
Regional Administrator

cc: Eric Yould, Alaska Power Authority
Al Carson, Department of Natural Resources

STATE OF ALASKA

DEPT. OF ENVIRONMENTAL CONSERVATION

RECEIVED

JAY S. HAMMOND, GOVERNOR

ALASKA POWER AUTHORITY

POUCH 0 - JUNEAU 99811

December 21, 1981

Mr. Eric P. Yould
Executive Director
Alaska Power Authority
334 West 5th Avenue
Anchorage, AK 99501

Dear Eric:

The Department of Environmental Conservation has been contacted by Acres American requesting formal coordination and review on five Susitna Hydroelectric Project documents. These requests were received in October and November, 1981. There apparently is some confusion as to what exactly was being requested. In his letter of November 16, 1981, Mr. John D. Lawrence of Acres clarified the situation and extended the review period to 45 days. On December 2, 1981, the Susitna Hydroelectric Steering Committee met with Mr. Dave Wozniak of your staff. Dave presented the Acres coordination plan. This document, plus Dave Wozniak's briefing, provided a clearer understanding of what we must do to be responsive to the needs of APA for the Susitna project.

As noted by the steering committee's letter to you on December 9, 1981, there are several problem areas with the formal coordination process outlined by Acres. We are particularly concerned that DEC was not included in the water quality and use group. Since DEC sets State Water Quality Standards and regulates water quality throughout Alaska, I feel our inclusion on the water quality review group is necessary.

Review of the coordination plan leads me to recommend that it would be useful for APA and the appropriate agencies to design a single continuing process for review and comment on the Susitna Hydroelectric Project. Since we are dealing with a State-sponsored project, I believe it is appropriate and timely that the State agencies and APA also determine the funding and personnel needed for these efforts. Our contacts for this matter are Bob Martin or Steve Zrake of our Anchorage Regional Office. They can be reached by phone at 274-2533.

Sincerely,


Ernst W. Mueller
Commissioner



IN REPLY REFER TO:
WAES

United States Department of the Interior

FISH AND WILDLIFE SERVICE
1011 E. TUDOR RD.
ANCHORAGE, ALASKA 99503
(907) 276-3800

RECEIVED

DEC 21 1981

ACRES American Incorporated

15 DEC 1981

Mr. Eric Yould
Executive Director
Alaska Power Authority
NO383 W. 4th Avenue
Anchorage, Alaska 99501

Dear Mr. Yould:

The U.S. Fish and Wildlife Service (FWS) has been contacted by Acres American regarding formal coordination of certain aspects of the feasibility study for the Federal Energy Regulatory Commission (FERC) license application for the Susitna Hydroelectric Project. To date four document packets have been submitted to us for formal review. These are the 1980 Environmental Studies Annual Reports, Transmission Line Corridor Screening Report, Development Selection Report, and the Fish and Wildlife Mitigation Policy.

Initially, some confusion arose over these requests. In his letter of November 16, 1981, Mr. John D. Lawrence (Acres) identified the sources of confusion, explained which documents were to be reviewed and extended the comment period to 45 days. While we appreciate this clarification, we feel a more formal and explicit plan for formal coordination of the Susitna Project must be developed. Mr. David D. Wozniak of your staff addressed the Susitna Hydroelectric Steering Committee on this subject at their meeting of December 2, 1981, and presented the coordination plan developed by Acres (letter of August 12, 1981, from John D. Lawrence to Eric Yould). Mr. Wozniak's briefing was very beneficial to our understanding of this process; however, we feel it is important that the Alaska Power Authority (APA) understand the position of the FWS on this issue. The FERC regulations (Federal Register Vol. 46, No. 219, November 13, 1981) require a FERC license application to document coordination with federal resource agencies in the Exhibit E. These agencies must be afforded a minimum of 60 days for review and comment. As such we disagree with the 45-day comment period suggested by your contractor. Additionally, there are several deficiencies within the Acres coordination plan which concern us; the first of these being the fact that no formal discussion as to this coordination has occurred. Thus, the contractor arbitrarily decides which documents are of concern to a particular agency, and what level of coordination will take place. Formal contact should work to insure that all agency concerns and consultations are met so as to comply with the intentions of the FERC regulations. With the exception of certain policy statements (e.g. Mitigation), the Acres plan calls for formal agency input before necessary background reports and data are available. An obvious example of this is found in the formal coordination plan-product list

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(attached to the aforementioned letter dated August 12, 1981) where the Draft Feasibility Report will be released for agency review two months prior to release of the 1981 Annual Reports. It is unrealistic to assume that meaningful comment can be generated in the absence of such information.

We believe a meeting should be arranged by your office to define the objectives of the required coordination and to develop a plan suitable to both the APA and the federal resource agencies. In the interim we will attempt to respond in a timely manner to all appropriate project documents, but will withhold comment on those documents which must be supported or clarified by the results of other studies.

Sincerely,



Acting Assistant Regional Director

cc: FWS/ROES, WAES

Quentin Edson, Director, Div. of Env. Analysis, FERC

NMFS, EPA, NPS, BLM, USGS, ADEC, ADF&G

Carson/ADNR

Lawrence/Acres American



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration

National Marine Fisheries Service

P.O. Box 1668

Juneau, Alaska 99802

RECEIVED

December 23 , 1981

DEC 31 1981

ALASKA POWER AUTHORITY

Mr. Eric Yould, Executive Director
Alaska Power Authority
333 W. 4th Avenue
Anchorage, Alaska 99501

Dear Mr. Yould:

The National Marine Fisheries Service has been contacted by ACRES American regarding formal coordination of certain aspects of the feasibility study for the Federal Energy Regulatory Commission (FERC) license application of the Susitna Hydroelectric Project. To date four (4) documents have been submitted to us for formal review. These are the 1980 Annual Reports, Transmission Line Corridor Screening Report, Development Selection Report and the Fish and Wildlife Mitigation Policy.

Initially, some confusion arose over these requests. In his letter of November 16, 1981, Mr. John D. Lawrence (ACRES) identified the sources of confusion, explained which documents were to be reviewed and extended the comment period to 45 days. While we appreciate this clarification, we feel a more formal and explicit plan for formal coordination of the Susitna Project must be developed. Mr. David Wozniak of your staff addressed the Susitna Hydroelectric Steering Committee on this subject at their meeting of December 2, 1981, and presented the coordination plan developed by ACRES (letter of August 12, 1981, from John D. Lawrence to Eric Yould): Mr. Wozniak's briefing was very beneficial to our understanding of this process, however we feel it is important that the Alaska Power Authority understands the position of the NMFS on this issue. The FERC regulations require a FERC license application to document coordination with concerned federal agencies under Exhibit E. Agencies must be afforded a minimum of 60 days for review and comment. 18 CFR §4.41(f) (46 FR 55926, 55937; November 13, 1981). We interpret this requirement to apply to each document submitted to us for consultation, including in particular the drafts of Exhibit E and the license application itself. Moreover, we expect that while there may be documents which can be reviewed by us in less than 60 days, there are very likely going to be instances where we will need more time than that in order to perform a thorough review.

One reason we expect to be accorded longer than 60 days for consultation in some instances, is that formal agency input is often to be solicited before necessary background reports and

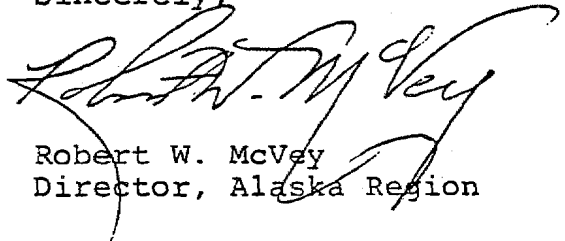


data are available. An obvious example of this is found in the formal coordination plan-product list, where the Draft Feasibility Report will be released for agency review two months prior to release of the 1981 Annual Reports. It is unrealistic to assume that meaningful comment can be generated in the absence of such information.

We are also concerned about another apparent deficiency in the proposed coordination plan. The decisions as to how coordination is to proceed are left to the contractor, who has discretion to decide which documents are of concern to a particular agency, and what level of coordination will take place. This approach has the potential for having the concerns of some agencies overlooked, and we would urge that the contractor make a special effort to insure that the consultations are as inclusive as possible.

We believe a meeting should be arranged by your office to define the objectives of the required coordination and to develop a plan suitable to both the APA and the federal resource agencies. In the interim we will attempt to respond in a timely manner to all appropriate project documents, but will withhold comment on those documents which must be supported or clarified by the results of other studies.

Sincerely,



Robert W. McVey
Director, Alaska Region

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ACRES AMERICAN INCORPORATED

30 DEC 1981

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STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

OFFICE OF THE COMMISSIONER

RECEIVED
JAY S. HAMMOND, GOVERNOR
JAN 08 1982
ACRES AMERICAN INDIAN CENTER
P.O. BOX 3-2000
JUNEAU, ALASKA 99802
PHONE: (907) 465-4100

December 30, 1981

Mr. John D. Lawrence
Project Manager
Acres American, Inc.
The Liberty Bank Building, Main at Court
Buffalo, New York 14202

Dear Mr. Lawrence:

The Alaska Department of Fish and Game has reviewed the "Susitna Hydroelectric Project Fish and Wildlife Mitigation Policy" dated November 1981 and has several comments to offer. The Department is drafting a mitigation policy approval we intend to use for all hydroelectric projects throughout the State. We appreciate your effort but feel our parallel effort is the alternative we select to take. In the interim, however, I have provided comments to your document that can be used to improve your policy as drafted.

ALASKA POWER
AUTHORITY
SUSITNA

FILE P5700

1/1/82 Specific Comments

SEQUENCE NO.

Section 1 - Introduction

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In this section which reads as follows, we recommend inclusion of the underlined phrase.

"A mandate of the Alaska Power Authority (APA) charter is to develop supplies of electrical energy to meet the present and future needs of the State of Alaska. APA also recognizes the value of our natural resources and accepts the responsibility of insuring that the development of any new projects is as compatible as possible with the fish and wildlife resources (and the habitat that sustains them) of the State and that the overall effects of any such projects will be beneficial to the State as a whole. In this regard APA has prepared a Fisheries and Wildlife Mitigation Policy for the Susitna Hydroelectric Project as contained herein."

Comment: The primary goal of mitigation is to avoid, minimize, rectify, reduce or compensate for impacts on fish and wildlife habitats.

2. Section 2 - Legal Mandates

In this section which reads as follows, we suggest inclusion of the underlined phrase:

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"There are numerous state and federal laws and regulations that specifically require mitigation planning. The mitigation policy and plans contained within this document are designed to comply with the collective and specific intent of these legal mandates. Following are the major laws or regulations that require the consideration (and eventual implementation) of mitigation efforts."

Comment: Consideration of mitigation is not an end in itself, the implementation of mitigation is the eventual goal and obligation which the APA must meet under the terms of State and Federal law and regulation.

3. Section 2 - Protection of Fish and Game

In the first paragraph, first sentence, that reads as follows, we suggest the underlined phrase be inserted:

The Alaska state laws pertaining to the disturbance of streams important to anadromous fish address the need to reduce (or prevent) impacts on fish and game that may result from such action.

Comment: Avoidance as well as minimization of impacts is also of concern to ADF&G.

4. Section 2 - Federal Energy Regulatory Commission, 2nd paragraph

We suggest the paragraph include a statement which indicates measures of mitigation as well as facilities for mitigation be described. To describe only facilities suggests that only engineering solutions for mitigation are considered. It will be necessary to describe any measures for mitigation that may involve, for example, in-kind replacement of habitat or avoidance of impact alternatives.

Comment: For this statement to be an accurate portrayal of FERC regulation, this addition is suggested.

5. Section - 3.3 Implementation of the Mitigation Plan

In the first paragraph of this section, it is stated that, "Prior to implementing the plan; an agreement will be reached as to the most efficient manner in which to execute the plan."

Comment: It should be stated with whom this agreement is to be reached. Perhaps suggestions can be worked out with the Su Hydro Steering Committee.

Also it is stated in the second paragraph of this section, "Realizing that a mitigation monitoring team will be necessary to insure the proper and successful execution of the mitigation plan, part of the plan will detail the structure and responsibilities of such a monitoring body."

Comment: APA should be aware that this monitoring body or its functions will not supersede individual agency mandates.

6. Section 3.4 Modification of the Mitigation Plan

In the second paragraph of this section which reads as follows, we suggest the insertion of the underlined phrases:

"The mitigation plan will be sufficiently flexible so that if data secured during the monitoring of fish and wildlife populations and habitats indicate that the mitigation effort should be modified, the mitigation plan can be adjusted accordingly. This may involve an increased effort where impacts failed to materialize as predicted. Any modifications to the mitigation plan proposed by the monitoring team will not be implemented without consultation (and approval of) appropriate state and federal agencies and approval of APA. The need for continuing this monitoring will be reviewed periodically. The monitoring program will be terminated when the need for further mitigation is considered unnecessary."

Comment: APA approval alone does not supersede the mandates of state and federal agencies to assure that mitigation to be performed is prudent and feasible and in concert with what is known about project impacts.

7. Section 4 - Approach to Developing the Fish and Wildlife Plans

The third paragraph of this section reads as follows:

"Following the identification of impact issues, the Core Group will agree upon a logical order of priority for addressing the impact issues. This will include ranking resources in order of their importance. The ranking will take into consideration a variety of factors such as ecological value, consumptive value, and nonconsumptive value. Other factors may be considered in the ranking if deemed necessary. The impact issues will also be considered in regard to the confidence associated with the impact prediction. In other words, those resources that will most certainly be impacted will be given priority over impact issues where there is less confidence in the impacts actually occurring. The result of this dual prioritization will be the application of mitigation planning efforts in a logical and effective manner. The results of the prioritization process will be sent to appropriate state and federal resource agencies for review and comment."

Comment: The Department of Fish and Game does not consider what appears to be a subjective ranking of resources in their "order of importance" to be a satisfactory approach to addressing impact issues. There is no substitute for a factual assessment of data voids, studies to fill these voids, and a rational approach to impact assessment based on factual evidence. Ranking as suggested here only supports this Department's long-time conviction that adequate information to make reasonable impact analysis and mitigation plan development cannot be done in the time frame established for the FERC license application by the Legislature and APA.

The fifth paragraph of this section states:

"Mitigation for each impact issue will be considered according to the types and sequence identified by the CEQ (Figure 2). If a proposed form of mitigation is technically infeasible, only partially effective, or in conflict with other project objectives, the evaluation will proceed to the next form. All options considered will be evaluated and documented. The result of this process will be an identification and evaluation of feasible mitigation options for each impact issue and a description of residual impacts."

Comment: The statement in the second sentence of this paragraph, "or in conflict with other project objectives," indicates equal consideration of fish and wildlife values would not be given in the mitigation planning effort conducted by Acres American, Terrestrial Environmental Services and APA. It is doubtful that any fish and wildlife impact issue would not be in conflict with APA's primary objective to construct the Su Hydro Project, and automatically mitigation alternatives would generally fall into the compensatory realm of mitigation defined in Section 3.5. This Department will closely examine the products of the impact evaluation and mitigation planning effort to be sure equal consideration is given to fish and wildlife resource values and that summary and arbitrary dismissal of feasible mitigation alternatives which may be in conflict with "project objectives" is not the primary factor in arriving at a mitigation plan.

Paragraph 7 of this section states:

"Additional items that may be addressed by the Core Group include an identification of organizations qualified to execute the mitigation plan and recommendations concerning the staffing, funding and responsibilities of the mitigation monitoring team."

Comment: The Core Group may make its recommendations, but agencies such as this Department with a direct responsibility for the management of fish and wildlife resources will in accord with its resource management and protection responsibilities, make its own recommendations to define staffing or funding levels and responsibilities for the mitigation monitoring team. It is our view that APA and its subcontractors do not have oversight on mitigation alternatives or means of implementation. Mitigation and the final approval of its acceptability lies with this Department and other resource agencies with similar mandates. It will be the obligation of APA to implement mitigation plans in accord with the approval of these agencies. In addition, it appears that the "mitigation review group" is responsible for "informal agency review and comment" on the proposed mitigation options. This informal review is "considered by APA and the Core Group prior to the preparation of . . . mitigation plans." However, the option being reviewed (informally) by the mitigation review group are those developed by the Core group in Step 2. This needs to be clarified.

In paragraph 8 of this section it states:

December 30, 1981

"During the implementation of the plan, which will include both the construction and operation phases of the project until further mitigation is deemed unnecessary, the mitigation monitoring team will review the work and evaluate the effectiveness of the plan (Step 5). To accomplish this goal, the monitoring team will have the responsibility of assuring that the agreed upon plan is properly executed by the designated organizations. The team will be provided with the results of ongoing monitoring efforts. This will enable the team to determine in which cases the mitigation plan is effective, where it has proven to be less than effective, and also in which cases the predicted impact did not materialize and the proposed mitigation efforts are unnecessary. The monitoring team will submit regularly scheduled reports concerning the mitigation effort, and where appropriate, propose modifications to the plan."

Comment: It should be resolved now as to who pays for the participation by agencies in the mitigation monitoring team. The APA should state its commitment to funding participation by agency team members or mitigation study groups.

General Comments

1. This Department does not believe adequate opportunity will be afforded the natural resource agencies to evaluate or review mitigation plans due to the accelerated nature of APA's schedule.

To date, for example, the Fisheries Mitigation Task Force Review Group has not been afforded an opportunity to assess ongoing impact assessment and mitigation plans being developed by Terrestrial Environmental Services.

Also, the Department has relayed to the APA on numerous occasions our concern that a more extended period of fisheries studies needs to be performed before adequate impact analysis is made and thence feasible mitigation alternatives developed.

2. A section outlining the membership and relationships of the Mitigation Task Force, and Core Group will need to be included.

I am interested in obtaining a copy of a plan that clearly sets out the schedules for formal review of specific products by appropriate agencies in order that this Department can adequately respond in a timely and responsible manner to APA.

If you have questions, please do not hesitate to contact us.

Sincerely,


Ronald O. Skoog
Commissioner



United States Department of the Interior **RECEIVED**

IN REPLY REFER TO:

WAES

FISH AND WILDLIFE SERVICE
1011 E. TUDOR RD.
ANCHORAGE, ALASKA 99503
(907) 276-3800

JAN 12 1982

ACRES AMERICAN INCORPORATED

30 DEC 1981

Mr. Eric Yould
Executive Director
Alaska Power Authority
333 W. 4th Avenue
Anchorage, Alaska 99501

Dear Mr. Yould:

This letter responds to a request by John Lawrence of Acres American that the Fish and Wildlife Service (FWS) review the Fish and Wildlife Mitigation Policy for the Susitna Hydroelectric Feasibility Study. The request was made by letter dated November 19, 1981. Our review of the Alaska Power Authority's (APA) Policy Statement has been undertaken in light of the FWS Mitigation Policy (Federal Register Vol. 46, No. 15, January 23, 1981). We have enclosed a copy of our Mitigation Policy and have previously transferred a copy to your subcontractor, Terrestrial Environmental Specialists, Inc. (see enclosed letter dated 4 June 1981). By maximizing consistency between the two policy statements, avoidance of policy disagreements between the APA and the FWS can be accomplished. Long-term benefits would accrue throughout the process including when and if project mitigation monitoring is in place and modifications to ongoing mitigation could be evaluated under one policy.

Briefly, the Service's mitigation policy reflects the goal that the most important fish and wildlife resources should receive the greatest level of mitigation when the environment of a particular area is changed. The FWS policy divides the mitigation planning process into three components: (1) resource category determinations; (2) impact assessment; and (3) mitigation recommendations. By creating four resource categories, the FWS can vary the degree of mitigation it recommends according to the value and scarcity of the habitat at risk.

Our resource category, "...determinations will contain a technical rationale consistent with the designation criteria. The rationale will: (1) outline the reasons why the evaluation species were selected; (2) discuss the value of the habitats to the evaluation species; and (3) discuss and contrast the relative scarcity of the fish and wildlife resource on a national and ecoregion section basis." (F.R. Vol. 46, No. 15, p. 7658). Special consideration would be given to notable, "...aquatic and terrestrial sites including legally designated or set-aside areas such as sanctuaries, fish and wildlife management areas, hatcheries, and refuges, and other aquatic sites such as floodplains, wetlands, mudflats, vegetated shallows, coral reefs, riffles and pools, and springs and seeps." (F.R. Vol. 46, No. 15, pp. 7658-7659). In the aforementioned sites, the mitigation goal to which the Service would strive for is either no loss of existing habitat value (Resource Category 1) or no net loss of in-kind habitat value (Resource Category 2).

ALASKA POWER
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The Service intends to recommend mitigation where a biological change constitutes an adverse impact. Our evaluation of project impacts and recommended mitigation would be based, to the extent applicable, on the Service's Habitat Evaluation Procedures and Instream Flow Incremental Methodology. Both of these methodologies have been suggested to APA and its consultants on several occasions. It should be recognized that streamlining the mitigation process can be accomplished by conformance between the Service's and an applicant's impact assessment techniques. The larger the proposal, the greater the potential savings in time. This idea was a principal behind the formulation of our mitigation policy and adoption of official evaluation procedures.

In accordance with our mitigation policy, "The Service may recommend support of projects or other proposals when the following criteria are met: (1) they are ecologically sound; (2) the least environmentally damaging reasonable alternative is selected; (3) every reasonable effort is made to avoid or minimize damages or loss of fish and wildlife resources and uses; (4) all important recommended means and measures have been adopted with guaranteed implementation to satisfactorily compensate for unavoidable damage or loss consistent with the appropriate mitigation goal; and (5) for wetlands and shallow water habitats, the proposed activity is clearly water dependent and there is a demonstrated public need." (F.R. Vol. 46, No. 15, p. 7659).

Specific comments:

- 1.0 Introduction: This section should include a discussion of the need to adequately assess the environmental resources of the study area to determine the environmental compatibility of a proposed project and to evaluate mitigation to adequately reduce or avoid negative impacts to environmental resources, including fish and wildlife resources, so that no net loss of habitat value occurs.
- 2.0 Legal Mandates: It should be recognized that the intent of the specified laws and regulations is that project-related adverse biological impacts be fully mitigated. In addition, that a plan be developed, acceptable to the resource agencies with mandated fish and wildlife management responsibilities, and implemented as a component of the proposal.
- 2.2 National Environmental Policy Act (NEPA): It is the responsibility of the lead federal agency, the Federal Energy Regulatory Commission (FERC), to fully comply with NEPA.
- 2.3 Federal Energy Regulatory Commission: Regulations for, "Application for License for Major Unconstructed Projects and Major Modified Projects," (F.R. Vol 46, No. 219, November 13, 1981) were adopted December 14, 1981. References in your policy to FERC regulations should reflect this. It should be recognized that within the Exhibit E, "The applicant must provide a report that describes the fish, wildlife, and botanical resources in the vicinity of the proposed project; expected impacts of the project on these resources; and mitigation, enhancement, or protection measures proposed by the applicant. The report must be prepared in consultation with the state agency or agencies with responsibility for these resources, the U.S. Fish and Wildlife Service, the National Marine Fisheries Service (if the proposed project may affect anadromous, estuarine, or marine fish resources), and any state or federal agency with

Mr. Eric Yould

Page 5

cc: FWS-ROES, WAES

Quentin Edson, FERC

NMFS, EPA, NPS, BLM, USGS, ADEC, ADF&G

Carson/ADNR

Lawrence/Acres American



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
P.O. Box 1668
Juneau, Alaska 99802

December 31, 1981

RECEIVED

JAN 04 1982

ACRES AMERICAN INCORPORATED

Mr. John D. Lawrence
Acres American, Inc.
900 Liberty Bank Building
Main at Court
Buffalo, New York 14202

Dear Mr. Lawrence:

We have received your letter of November 19, 1981, requesting the comments of the National Marine Fisheries Service (NMFS) on the Fish and Wildlife Mitigation Policy for the Susitna Hydroelectric Project. Having reviewed the statement we offer the following comments.

The statement adequately reflects the intent of such a mitigation policy and presents an accurate overview of those legal mandates which require mitigation to be considered in designing hydroelectric projects. We have several specific comments dealing with the operation of the proposed mitigation plan, which follow.

3.1 Basic Intent of the Applicant

The last paragraph states that this methodology outlines a process for resolving conflict between the Power Authority and resource agencies. We do not feel this has been satisfactorily accomplished within the general policy statement (Sec. 3) and suggest additional effort be made to establish such a conflict resolution methodology.

3.2 Consultation with Natural Resource Agencies & the Public

Realizing that Section 4, step 3, development of an acceptable mitigation plan, is to be completed by March 1982, we assume that steps 1 and 2 of the same section are by now substantially completed. Yet, contrary to the second sentence of 3.2, "During the early stages of planning, representatives of state and federal agencies will be encouraged to consult with the applicant and the applicants representatives, as members of the Mitigation Task Force.", we have yet to be contacted regarding the status of this important element, and the Mitigation Task Force review committee has not met as of this date.

3.3 Implementation of the Mitigation Plan

We are pleased to see the plan include provisions for post-construction monitoring of mitigation measures and opportunities.

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The applicant should note, however, that such a provision will be integral to the mitigation plan and the associated costs should be included with the license application, and not "resolved through parties after the mitigation plan is complete." This is supported in the FERC regulations, 4.41 (F)(3)(iv)(D), which require Exhibit E to contain an estimate of the costs of construction, operation, and maintenance of any proposed facilities or implementation of any (mitigation) measures.

3.4 Modification of the Mitigation Plan

The last sentence, dealing with termination, should state that termination of any mitigation measure stipulated in the FERC license will require an amendment to that license.

4 Approach to Developing the Fish and Wildlife Mitigation Plans

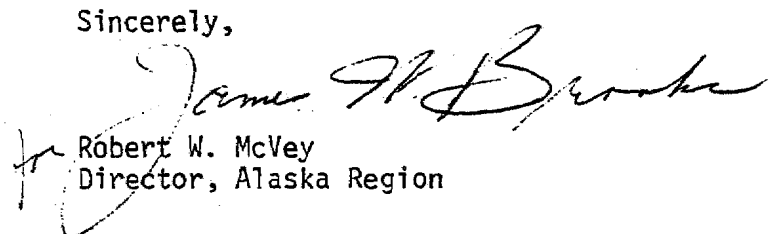
Paragraph 3, sentence 6. Change 'will' to 'may', as priority will be assigned both by the likelihood of impact and sensitivity of the resource.

Paragraph 5, sentence 2. The fact that a form of mitigation is in conflict with project objectives or only partially effective should not prevent it from further consideration. Such a statement strains the term "reasonable alternatives" and does not comply with the spirit or intent of the National Environmental Policy Act.

Paragraph 7. As outlined, no formal agency input into the mitigation plan will occur prior to application to FERC. FERC regulations require Exhibit E to contain a report describing proposed mitigation measures; prepared in consultation with state and federal resource agencies. The process described here falls short of this required consultation. We suggest formal agency review of the draft fisheries and wildlife mitigation plans occur prior to license application.

We appreciate this opportunity to comment.

Sincerely,


for Robert W. McVey
Director, Alaska Region



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
P.O. Box 1668
Juneau, Alaska 99802

December 31, 1981

RECEIVED

JAN 04 1982

ACRES AMERICAN INCORPORATED

Mr. John D. Lawrence, Project Manager
ACRES American Incorporated
Consulting Engineers
The Liberty Bank Building Main at Court
Buffalo, New York 14202

Dear Mr. Lawrence:

We have received the Susitna Hydroelectric Project Environmental Report prepared by Terrestrial Environmental Specialists (TES). We have limited our review of this series of documents to those concerning the fisheries studies, i.e., the Summary Annual Report and Fish Ecology Annual Report.

The presentation of 1980 work done by TES towards assessing the impacts of development and operations of the project on the fishery and proposing measures to minimize or mitigate adverse impacts was reviewed without substantial comment, as much of it was very preliminary. Also, no review was made of the 1980 fish ecology program due to delay in publishing the detailed procedures manual. In addition to the lack of substantial information presented in these reports, we believe the timing of this review request makes an in-depth agency review inappropriate. The main benefit derived from this review would have been to allow changes or redirection of efforts to be made in the 1981 field studies. However, as of this date, the 1981 environmental studies have been completed.

We look forward to receiving the 1981 Environmental Studies Annual Reports, as these documents should provide the basis for our review of the draft Feasibility Report.

Sincerely,

James W. Brooks
Robert W. McVey
Director, Alaska Region

cc. E. J. Smith, ADA 1/15/82

1/10/82



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U.S. ENVIRONMENTAL PROTECTION AGENCY

REGION X

1200 SIXTH AVENUE
SEATTLE, WASHINGTON 98101



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DEC 28 1981

ACRES AMERICAN INCORPORATED

REPLY TO M/S 443
ATTN OF:

DEC 21 1981

John D. Lawrence
Acres American, Incorporated
The Liberty Bank Building
Main at Court
Buffalo, New York 14202

SUBJECT: Susitna Hydroelectric Project, Summary Annual Environmental
Report-1980 and Transmission Line Corridor Screening Report

Dear Mr. Lawrence:

Thank you for sending us the above reports for our review. We have also received the Development Selection Report and will be forwarding our comments to you on that report before the end of December.

We appreciate the extensive coordination effort and the opportunity to review and comment on Susitna reports as they are prepared. I further appreciate your attempts to ensure that the views of the Agency are adequately reflected in this process. While we have been coordinating with the Susitna Interagency Steering Committee, our budget restrictions have limited our active participation more than I would like. In this regard, it would be extremely helpful to us if you could provide us an overview of your consultation plan and the schedule for future reviews. This will better enable us to give you timely comprehensive comments on the various segments of the study, with the overall project perspective in mind.

EPA is particularly interested in information on wetland mapping, water quality and water quantity modeling and project alternatives. The 1980 Environmental Report appropriately points out the interrelationships and importance of these areas to wildlife survival and downstream fish ecology. However, it does not cover EPA's areas of interest directly. We would like to review the reports on these subjects when they are available.

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We support the emphasis in the Environmental Report and related studies on identifying ways to minimize the environmental impacts of the Susitna project. In particular, selection of the access route and type of access is an issue with long term environmental consequences which offers many opportunities for minimizing impacts. EPA supports the concept of minimizing impacts by use of a single corridor for both access and transmission needs, as pointed out in both the Transmission Line Corridor Screening Report and the Environmental Report. We encourage you to incorporate these kinds of suggestions from agencies and the Steering Committee into the project selection, construction and operation plans. Such commitments will certainly positively influence reviews of any FERC license application.

We have some concerns with the conclusions about the Central Study area in the Transmission Line Corridor Screening Report. There appear to be different opinions on the environmental consequences of selecting Corridor 1 versus Corridor 14. We feel that additional areas should be included in future studies of the central corridor, to provide a broader data base from which such conclusions can be drawn. More specifically, in this area, Corridor One (ABCD), which roughly follows the south side of the Susitna River, is the recommended corridor based on Acre's technical, economic and environmental criteria. Corridor 14 (AJCD) follows the same route as Corridor 1 from Gold Creek to Devils Canyon, but crosses to the north side of the Susitna River for the section from Devils Canyon to the Watana dam site. Corridor 14 has technical and economic ratings as high as Corridor 1, but was not recommended because of environmental and land use conflicts in segment CJ. On solely environmental grounds, it appears that an access route similar to Corridor 14 is preferred to Corridor 1 by both Terrestrial Environmental Specialists, Incorporated (Environmental Report page 73 and 82) and the Susitna Hydroelectric Steering Committee (letter from Al Carson, Chairman, to Eric Yould, dated November 5, 1981.) Therefore, the areas of the central corridor to be further studied should include the north side of the river between Devils Canyon and the Watana dam site to encompass segment CJA as well as segment CBA.

One reason for the different conclusions regarding the environmentally preferable route between Devils Canyon and the Watana Dam site may be the Environmental Report's and the Steering Committee's identification of the most environmentally sensitive areas, which then have the highest priority to be avoided. It may be desirable to use a similar approach during the more detailed route selection studies, especially in areas where wetlands must be crossed. Identifying and then avoiding primary and secondary impacts to the most valuable wetland habitats should be an important part of the more detailed studies of all three transmission study areas.

We appreciate the opportunity to review this report. Please contact me or Judi Schwarz, of my staff, if you would like to discuss our comments. We can be reached at (206) 442-1266 and (206) 442-1096, respectively.

Sincerely yours,



John R. Spencer
Regional Administrator

cc: Eric Yould, Alaska Power Authority
Al Carson, Department of Natural Resources

January 4, 1981
P5700.11.91
T.1390

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| LOWREY |
| SINGH |
| HUSTEAD |
| BOVE |
| CHASE |

Mr. John R. Spencer
Regional Administrator
U.S. Environmental Protection Agency
Region X
200 Sixth Avenue
Seattle, Washington 98101

Dear Mr. Spencer;

Susitna Hydroelectric Project
Formal Agency Coordination

Thank you for your letter of December 21, 1981; your constructive suggestions are very much appreciated. I will attempt to respond to the issues you raised:

1. I am enclosing a description of our formal agency coordination plan, indicating which agencies will receive which reports. Regarding schedule, EPA will be receiving the following reports on or around the following dates:
 - a) Fish and Wildlife Mitigation Options - January 1982
 - b) Instream Flow Study Plan - February 1982
 - c) Susitna Feasibility Study - March 1982

Under separate cover you will be receiving an invitation to attend a meeting in Anchorage on January 21, 1982 explaining our Formal Agency Coordination Program.

2. Wetland mapping has been conducted as part of the study. For your information, I am enclosing the 1980 Plant Ecology Summary Report and a set of vegetation maps. All wetlands within the proposed impoundment zones (including a one half mile buffer) and within known borrow area were mapped, utilizing the new U.S. Fish and Wildlife Service Classification (Cowardin et. al. 1979).

Mr. John R. Spencer

January 4, 1982
page 2

3. Project alternatives are discussed in the Development Selection Report which you have received and will be discussed further in the Feasibility Study.
4. Water quality issues and water quantity modeling results will be found in the Feasibility Study.
5. Following selection of the access route, the transmission line corridor in the central study area has been expanded (as indicated on page 7-4 of the Transmission Line Corridor Screening Report) to include a larger area on the north side of the Susitna River. This will result in a single corridor being used for both the access route and the transmission line corridor. This was done both to reduce impacts via access and to avoid the large wetland areas on the south side of the Susitna River.
6. Transmission line routing studies are currently being conducted. Wetlands is a parameter in the selection process. I think you can appreciate, however, it will not be possible to avoid all wetlands in the area, simply because there are so many.

Again, thank you for your comments. If you have further questions, please let me know.

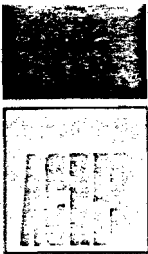
Sincerely yours,



John D. Lawrence
Project Manager

MMG/jh

cc: E. Yould, APA



January 8, 1982
P5700.11.92
T1415

Mr. Ernest W. Mueller
Commissioner
Alaska Department of Environmental Conservation
Juneau, Alaska 99801

Susitna Hydroelectric Project
Formal Agency Coordination Program


Dear Mr. Mueller:

As you are aware, Acres American has, on behalf of the Alaska Power Authority, instituted a Formal Agency Coordination Program for the Susitna Hydroelectric Project. This program has apparently resulted in some confusion among various agencies as to its intent and scope.

To resolve this, a meeting has been arranged for 10:00 a.m. on January 21, 1982, at the office of the Alaska Power Authority, 334 West 5th Avenue, Anchorage. The purpose of this meeting will be to explain the rationale, intent, scope, and regulatory requirements for this program.

If you feel you could benefit from this meeting, your attendance is welcome.

Sincerely yours,


John D. Lawrence
Project Manager

MMG/jgk

ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building, Main Floor
Buffalo, New York 14202

Telephone (716) 835-7125 Telex 91-6421 ACRES BUF

Other Office: 2000 E. 24th, Anchorage, Alaska 99501, Washington, DC



January 8, 1982
P5700.11.92
T1420

Mr. Robert Shaw
State Historic Preservation Officer
Alaska Department of Natural Resources
Division of Parks
619 Warehouse Avenue, Suite 210
Anchorage, Alaska 99501

Susitna Hydroelectric Project
Formal Agency Coordination Program

Dear Mr. Shaw:

As you are aware, Acres American has, on behalf of the Alaska Power Authority, instituted a Formal Agency Coordination Program for the Susitna Hydroelectric Project. This program has apparently resulted in some confusion among various agencies as to its intent and scope.

To resolve this, a meeting has been arranged for 10:00 a.m. on January 21, 1982, at the office of the Alaska Power Authority, 334 West 5th Avenue, Anchorage. The purpose of this meeting will be to explain the rationale, intent, scope, and regulatory requirements for this program.

If you feel you could benefit from this meeting, your attendance is welcome.

Sincerely yours,

John D. Lawrence
Project Manager

MMG/jgk

ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building, Main at Court

Buffalo, New York 14202

Telephone 716-855-7125

Telex 511642 ACRES BUF

Other Offices: Columbia, MD; Pittsburgh, PA; Raleigh, NC; Washington, DC



January 8, 1982
P5700.11.70
T1414

Mr. Ronald O. Skoog
Commissioner
State of Alaska Department of Fish and Game
Juneau, Alaska 99801

Susitna Hydroelectric Project
Formal Agency Coordination Program


Dear Mr. Skoog:

As you are aware, Acres American has, on behalf of the Alaska Power Authority, instituted a Formal Agency Coordination Program for the Susitna Hydroelectric Project. This program has apparently resulted in some confusion among various agencies as to its intent and scope.

To resolve this, a meeting has been arranged for 10:00 a.m. on January 21, 1982, at the office of the Alaska Power Authority, 334 West 5th Avenue, Anchorage. The purpose of this meeting will be to explain the rationale, intent, scope, and regulatory requirements for this program.

If you feel you could benefit from this meeting, your attendance is welcome.

Sincerely yours,


John D. Lawrence
Project Manager

MMG/jgk

ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building, Main at Court
Buffalo, New York 14202

Telephone (716) 835-1221 Telex 944621 ACRES BUF

Offices: Chicago, IL; Dallas, TX; Denver, CO; El Paso, TX; Houston, TX; Los Angeles, CA; New York, NY; San Francisco, CA; Seattle, WA; Washington, DC



January 8, 1982
P5700.11.91
T1411

Mr. Robert McVey
Director, Alaska Region
National Marine Fisheries Service
NOAA
P.O. Box 1668
Juneau, Alaska 99802

Susitna Hydroelectric Project
Formal Agency Coordination Program

Dear Mr. McVey:

As you are aware, Acres American has, on behalf of the Alaska Power Authority, instituted a Formal Agency Coordination Program for the Susitna Hydroelectric Project. This program has apparently resulted in some confusion among various agencies as to its intent and scope.

To resolve this, a meeting has been arranged for 10:00 a.m. on January 21, 1982, at the office of the Alaska Power Authority, 334 West 5th Avenue, Anchorage. The purpose of this meeting will be to explain the rationale, intent, scope, and regulatory requirements for this program.

If you feel you could benefit from this meeting, your attendance is welcome.

Sincerely yours,

John D. Lawrence
Project Manager

MMG/jgk

ACRES AMERICAN INCORPORATED

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The Liberty Bank Building, Main at Court

Buffalo, New York 14202

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Telex 31-242-1-935-BUF

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January 8, 1982
P5700.11.71
T1410

Mr. Keith Schreiner
Regional Director, Region 7
U.S. Fish and Wildlife Service
1011 E. Tudor Road
Anchorage, Alaska 99503

Susitna Hydroelectric Project
Formal Agency Coordination Program

Dear Mr. Schreiner:

As you are aware, Acres American has, on behalf of the Alaska Power Authority, instituted a Formal Agency Coordination Program for the Susitna Hydroelectric Project. This program has apparently resulted in some confusion among various agencies as to its intent and scope.

To resolve this, a meeting has been arranged for 10:00 a.m. on January 21, 1982, at the office of the Alaska Power Authority, 334 West 5th Avenue, Anchorage. The purpose of this meeting will be to explain the rationale, intent, scope, and regulatory requirements for this program.

If you feel you could benefit from this meeting, your attendance is welcome.

Sincerely yours,

John D. Lawrence
Project Manager

MMG/jgk

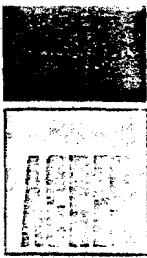
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Consulting Engineers

The Liberty Bank Building, Main at Court
Buffalo, New York 14202

Telephone 716-831-1234 Telex 240-240-ACRES-BUF

Other Offices: Columbia, SC; Pittsburgh, PA; Raleigh, NC; Washington, DC



January 8, 1982
P5700.11
T1409

Col. Lee Nunn
District Engineer
U.S. Army Corps of Engineers
Anchorage District
P.O. Box 7002
Anchorage, Alaska 99510

Susitna Hydroelectric Project
Formal Agency Coordination Program

Dear Col. Nunn:

As you are aware, Acres American has, on behalf of the Alaska Power Authority, instituted a Formal Agency Coordination Program for the Susitna Hydroelectric Project. This program has apparently resulted in some confusion among various agencies as to its intent and scope.

To resolve this, a meeting has been arranged for 10:00 a.m. on January 21, 1982, at the office of the Alaska Power Authority, 334 West 5th Avenue, Anchorage. The purpose of this meeting will be to explain the rationale, intent, scope, and regulatory requirements for this program.

If you feel you could benefit from this meeting, your attendance is welcome.

Sincerely yours,

John D. Lawrence
Project Manager

MMG/jgk

ACRES AMERICAN INCORPORATED

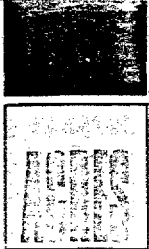
Consulting Engineers

The Liberty Bank Building, 111 Nassau Court
Buffalo, New York 14202

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Telex 91 6421 ACRES BUF

Other Offices: Columbia, MD; Ft. Lehigh, PA; Raleigh, NC; Washington, DC



January 8, 1982
P5700.11.91
T1408

Regional Administrator
Region X
U.S. Environmental Protection Agency
1200 South Avenue
Seattle, WA 98101

Susitna Hydroelectric Project
Formal Agency Coordination Program


Dear Sirs:

As you are aware, Acres American has, on behalf of the Alaska Power Authority, instituted a Formal Agency Coordination Program for the Susitna Hydroelectric Project. This program has apparently resulted in some confusion among various agencies as to its intent and scope.

To resolve this, a meeting has been arranged for 10:00 a.m. on January 21, 1982, at the office of the Alaska Power Authority, 334 West 5th Avenue, Anchorage. The purpose of this meeting will be to explain the rationale, intent, scope, and regulatory requirements for this program.

If you feel you could benefit from this meeting, your attendance is welcome.

Sincerely yours,


John D. Lawrence
Project Manager

MMG/jgk

ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building, Main at Court
Buffalo, New York 14202

Telephone 716-853-7121 Telex 91-642-ACRES BGR

Other Offices: Columbia, MD; Pittsburgh, PA; Raleigh, NC; Washington, DC

January 8, 1982
P5700.11.75
T1413

Mr. John Rego
Bureau of Land Management
701-C Street
Anchorage, Alaska 99501

Susitna Hydroelectric Project
Formal Agency Coordination Program

Dear Mr. Rego:

As you are aware, Acres American has, on behalf of the Alaska Power Authority, instituted a Formal Agency Coordination Program for the Susitna Hydroelectric Project. This program has apparently resulted in some confusion among various agencies as to its intent and scope.

To resolve this, a meeting has been arranged for 10:00 a.m. on January 21, 1982, at the office of the Alaska Power Authority, 334 West 5th Avenue, Anchorage. The purpose of this meeting will be to explain the rationale, intent, scope, and regulatory requirements for this program.

If you feel you could benefit from this meeting, your attendance is welcome.

Sincerely yours,

John D. Lawrence
Project Manager

MMG/jgk

ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building, Main Floor

Birmingham, Alabama 35202

Telephone: (205) 261-1111

Telex: 150000 ACRES AMERICAN INCORPORATED, 150000 ACRES AMERICAN INCORPORATED, 150000 ACRES AMERICAN INCORPORATED

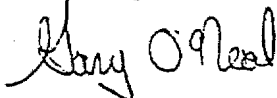
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adequacy of a mitigation plan until more impact information is available. EPA would have been faced with this situation in reviewing the fishery mitigation plan if Acres American had wanted our comments at this time. We have one other suggestion for your consideration. Because of the location and magnitude of the impacts, new mitigation methods or methods new to this region of Alaska may eventually be identified. Because it will be several years before the mitigation plan is finalized, it may be possible to test the feasibility of some of these ideas before mitigation itself must start. Such an approach may have long-term environmental and economic benefits.

Some additional minor comments are presented in the attachment.

We look forward to reviewing the option papers. If you would like to discuss our comments, Judi Schwarz of the Environmental Evaluation Branch may be contacted for more information. She can be reached at (206) 442-1096.

Sincerely,



Gary O'Neal, Director
Environmental Services Division

cc: Al Carson, DNR
Dave Wozniak, APA

Susitna Fish and Wildlife Mitigation Policy

Attachment

FERC Regulations

For your information, FERC published the new regulations on license applications on November 13, 1981. The section of fish and wildlife mitigation can be found at 46 FR 55938. FERC has made some wording changes, but the substance is essentially unchanged.

Definitions

The policy statement refers to a Mitigation Task Force, a Mitigation Review Group, and a Core Group of the Mitigation Task Force. The composition and method of selection of each group should be described.



February 19, 1982
P5700.11.92
T1519

Colonel Lee R. Nunn
Department of the Army
Alaska District, Corps of Engineers
P.O. Box 7002
Anchorage, AK 99510

Dear Colonel Nunn:

Susitna Hydroelectric Project
Plant Ecology Report

Thank you for your letter of February 1 regarding your review of the following reports: Environmental Summary Annual Report - 1980, Development Selection Report, and Transmission Line Corridor Screening Close Out Report.

As a result of your comment concerning wetlands, I am enclosing for your information a copy of the 1980 Plant Ecology Report which more specifically addresses the wetlands issue. Also enclosed is a copy of the vegetation and wetlands maps which are referred to in ^{this} their report.

Thank you again for your letter.

Sincerely,

John Lawrence
Project Manager

MG:ccv
Enclosures

cc: E. Yould - APA

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Consulting Engineers
The Liberty Bank Building Main at Court
Buffalo, New York 14202

Telephone 716-853-7525 Telex 91-6423 ACRES BUF

Other Offices: Columbia, MD; Pittsburgh, PA; Raleigh, NC; Washington, DC

February 23, 1982
P5700.11.91
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| JUSTEAD |
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Mr. Gary O'Neal, Director
Environmental Services Division
U.S. Environmental Protection Agency
Region X
1200 Sixth Avenue
Seattle, Washington 98101

Dear Mr. O'Neal:

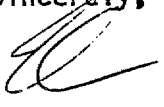
Susitna Hydroelectric Project
Fish and Wildlife Mitigation Policy

Thank you for your letter of February 4, 1982 regarding the Susitna
Fish and Wildlife Mitigation Policy.

We will be discussing Mitigation further in early March meetings with
the Core and Review Groups and attempting to focus in on the major
impact issues and define further studies necessary to develop adequate
mitigation. You will be invited to this meeting.

Thank you again for your comments.

Sincerely,


John D. Lawrence
Project Manager

MMG/jh

cc: E. Yould, APA
J. Spencer, EPA

February 23, 1982
P5700.11.91
T.1424

Mr. Robert W. McVey
Director, Alaska Region
National Marine Fisheries Service
P.O. Box 1668
Juneau, Alaska 99802

Dear Mr. McVey:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation Policy

I thank you for your December 31, 1981 response to our request for comments on the Susitna Fish and Wildlife Mitigation Policy. I have responded to your comments in the order in which they were presented.

3.1 - Basic Intent of the Applicant

Our approach to resolving fish and wildlife mitigation conflicts between APA and the resource agencies is outlined in Step 3, Section 4, of the Mitigation Policy. As stated, it basically involves review and comment by the Fish and Wildlife Mitigation Review Group representing the resource agencies. In addition, although not specifically stated in our policy, any draft mitigation plans will be submitted to resource agencies for formal comment and review prior to the submission of a FERC license application. Our policy will be modified to include this.

3.2 - Consultation with Natural Resource Agencies and the Public

Section 4, Step 3, Development of an Acceptable Mitigation Plan, will not be completed by March of 1982. However, mitigation options will be assessed and preferred options together with their technical feasibility and potential effectiveness will be presented in the March 1982 Feasibility Report.

The first meeting of the Mitigation Review Group will occur in March 1982. An invitation will be sent to Bradley Smith as a representative of your agency. This meeting will provide the resource agencies with an opportunity to discuss, with the Mitigation Core Groups, the various mitigation options presently being considered. The details of a draft mitigation plan will be completed subsequent to the Feasibility Report and prior to the FERC license application.

3.4 - Modification of the Mitigation Plan

We agree that the termination of any mitigation measure stipulated in the FERC license would require FERC approval. In regards to the monitoring program, we anticipate that the FERC license will allow for

Mr. Robert W. McVey

February 23, 1982
page 2

the termination of the monitoring program when the need for further mitigation is considered unnecessary. We have modified the policy to state termination would be subject to FERC approval.

4.4 - Approach to Developing the Fish and Wildlife Mitigation Plans

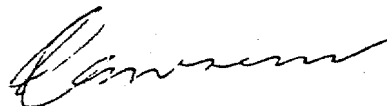
Paragraph 3, sentence 6, refers to the functioning of the Mitigation Core Group which will be concentrating its efforts towards resources most likely to be impacted.

Paragraph 5, sentence 2. This sentence is contained under Step 2 entitled "Option Analysis Procedure". The intent of this procedure is to consider each impact issue and to review all practicable mitigation options within the intent of the National Environmental Policy Act. If a mitigation option that avoids an impact is identified which is technically feasible, effective, and not in conflict with any other project objectives, the need to address other alternatives was not considered necessary. The intent of sentence 2, paragraph 5, was to state that if such an option does not exist, we will proceed to evaluate other options. "All options considered will be evaluated and documented. The result of this process will be an identification and evaluation of feasible mitigation options for each impact issue and a description of residual impacts."

The selection of which options are to be further considered in the development of an acceptable mitigation plan is addressed under Step 3. Paragraph 7. Mitigation options will be forwarded to the Fish and Wildlife Mitigation Review Group allowing for agency review and comment. In addition, our mitigation policy will be modified to reflect our intent to have the draft mitigation plan formally reviewed by agencies prior to application to FERC.

I appreciate your comments and trust our response satisfies the concern you have expressed.

Sincerely,



John D. Lawrence
Project Manager

KRY/jmh

1952

Our definition of fish and wildlife resources included the habitat which sustains them but for clarification we will include the phrase "and the habitat that sustains them" as you recommended.

To broaden the perspective of the first sentence in the first paragraph we will substitute the word mitigate for reduce. The definition of mitigate in this context being avoid, minimize, rectify, reduce or

compensate for impacts.

Comment: Avoidance of impacts will be the first mitigation option explored.

4. Section 2 - Federal Energy Regulatory Commission, 2nd paragraph

We will add the phrase "measures and" in the last line of this paragraph.

Comment: This addition meets your request.

5. Section 3.3 - Implementation of the Mitigation Plan

It is our intent to reach an agreement, through FERC, with those resource agencies having the mandate to approve the mitigation plan and the implementation specific agencies have not been stated since it is not considered appropriate for APA to define other agencies mandates. It is also considered inappropriate to discuss such agreements through an informal group such as the Susitna Hydro Steering Committee.

Comment: APA accepts that the proposed monitory body or its function would not supersede individual agency mandate. In fact such monitoring may be conducted through agencies fulfilling their mandates.

6. Section 3.4 - Modification of the Mitigation Plan

APA intends to work with the appropriate state and federal agencies during implementation of the plan, including any modifications. The Federal Energy Regulatory Commission must approve any modification to mitigation stipulation in the license. It is anticipated FERC would not approve these modifications without first consulting with the appropriate agencies.

Comment: It was not intended to imply APA approval superseded the mandate of state and federal agencies.

7. Section 4 - Approach to Developing Fish and Wildlife Plans

Third paragraph:

The intent of the ranking of resources is "order of importance was to direct mitigation efforts towards those resources where, even without an extensive data base, it is predicted the greatest impacts would occur. As an example, the concentration of the fisheries mitigation efforts has been towards the anadromous fisheries between Talkeetna and Devil Canyon, as this is an important reserve and there is higher potential for impact in this section than further downstream.

Comment: The delay in the license application will permit a more detailed mitigation plan to be developed.

Fifth paragraph:

Comment: The intent of this procedure is to consider each impact issue and to review all practicable mitigation options within the intent of the National Environmental Policy Act. If a mitigation option that avoids an impact is identified which is technically feasible, effective and not in conflict with any other project objective, the need to address other alternatives was not considered necessary. The intent of sentence 2, paragraph 5 was to state that if such an option does not exist, we will proceed to evaluate other options.

No mitigation options will be arbitrarily dismissed. As stated in the policy, "ALL options will be evaluated and documented."

The policy will be revised to make this clear.

Paragraph Seven:

Comment: FERC requires APA to prepare a mitigation plan prepared in consultation with appropriate resource agencies. This plan will be based on recommendations from the core groups and review and comment from the agencies via the Fish and Wildlife Mitigation Review Group and the formal agency review process. Subsequent to the FERC filing, the plans will be reviewed by FERC and other agencies and an acceptable plan finalized. It is not APA's intent that the mitigation planning be in conflict in any way with the management and protection responsibility of any agencies.

Paragraph Eight:

Comment: The Susitna project is being prepared by a state agency. As such, it would be premature to commit funding for involvement of other agencies at this time.

General Comments

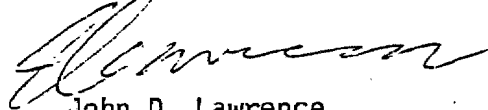
1. The three month delay in the license application will permit agency review and input to the mitigation plan.
2. The Policy will be revised to include a description of purpose of the core and review groups. You will be receiving a letter with the Feasibility Report outlining what reports will be sent to your department.

Mr. Ronald O. Skoog

February 23, 1982
page 4

We very much appreciate your comments on the policy and hope my responses are satisfactory. If you have any questions, please call.

Sincerely yours,



John D. Lawrence
Project Manager

MMG/jh

Mr. Melvin A. Monson
Acting Assistant Regional Director
U.S. Fish and Wildlife Service
1011 E. Tudor Road
Anchorage, Alaska 99503

Susitna Hydroelectric Project Fish and Wildlife Mitigation Policy

I will attempt to respond to each of your comments, numbered as in your letter.

This section was purposefully kept short so that the policy would not be overbearing. We do not feel it necessary to discuss the issues you mentioned, as they are covered in detail in the Feasibility Report. At the suggestion of the Alaska Department of Fish and Game, we have added the phrase "fish and wildlife resources of the state".

The entire policy and particularly sections 3 and 4 explain that APA intends to develop and implement a mitigation plan in coordination with the agencies with mandated fish and wildlife mitigation responsibilities.

Since FERC is a federal agency, they are covered by the statement "Federal agencies shall to the fullest extent possible".

2.3 Federal Energy Regulatory Commission

The policy will reflect the fact these regulations were adopted. Exhibit E will be prepared as described in the regulations.

2.4 Fish and Wildlife Coordination Act

Reference to FERC has been incorporated.

3.1 Basic Intent of the Applicant

The statement "The FERC will resolve any disputes which APA and the agencies cannot resolve" has been added.

3.2 Consultation with Natural Resource Agencies and the Public

A section explaining the mechanism for coordination with the agencies has been added to the beginning of the policy. The agencies will be involved in the plan both prior and subsequent to FERC filing.

3.3 Implementation of the Mitigation Plan

The implementation of the mitigation plan is recognized by APA to be its responsibility.

3.4 Modification of the Mitigation Plan Paragraph 2

It is recognized any modification to or termination of the mitigation efforts would be subject to FERC approval. It is assumed FERC would consult with the agencies during this process.

4.0 Approach to Developing the Fish and Wildlife Mitigation Plan Paragraph 3

The intent of this paragraph was to direct mitigation efforts towards those resources where, even without an extensive data base, it is predicted the greatest impacts would occur. As an example, the concentration of the fisheries mitigation efforts has been towards the anadromous fisheries between Devil Canyon and Talkeetna, as this is an important resource and there is a higher potential for impact in this section than further downstream.

Paragraph 5

The intent of this procedure is to consider each impact issue and to review all practicable mitigation options within the intent of the National Environmental Policy Act. If a mitigation option is identified that avoids an impact, is technically feasible, effective and not in conflict with any other project objectives, the need to address other alternatives was not considered necessary. The

Mr. Melvin A. Monson

February 24, 1982
page 3

intent of sentence 2, paragraph 5 was to state that if such an option does not exist, we will proceed to evaluate other options. As stated in the policy, "All options will be evaluated and documented." The policy will be revised to make this clear.

Paragraph 7

This paragraph has been expanded to include the Fish and Wildlife Mitigation Review Group involvement in the plan's development.

Paragraph 9

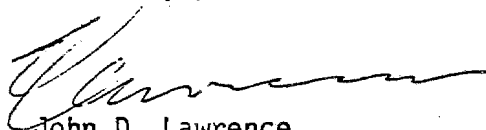
Your statement has been incorporated.

Paragraph 10

We agree with your statement. The FERC must approve any modification to mitigation stipulations in the license. It is anticipated FERC would not approve the modifications without first consulting with the appropriate agencies.

Thank you again for your time. If you have any questions regarding my responses, feel free to contact me.

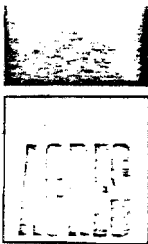
Sincerely yours,



John D. Lawrence
Project Manager

MMG/jmh

cc: E. Yould, APA
K. Schreiner



M. Grubbs

March 1, 1982
P5700.11
T.1425

Mr. Douglas G. Warnock
Assistant Regional Director
Alaska Region
National Park Service
540 West Fifth Avenue
Anchorage, Alaska 99501

Dear Mr. Warnock:

Susitna Hydroelectric Project

I thank you for your December 30, 1981 response to our request for review and comment on Susitna project reports forwarded to your agency.

I am pleased that you are satisfied to date with our cultural resource identification and management, recreation planning and Development Selection evaluation process.

In regards to the review of subsequent reports we are receptive to including your agency in the water quality and use, aesthetics and land use groups if you consider this information beneficial in performing your formal review of project related recreation impacts. We are enclosing the 1980 Land Use Annual Report.

Sincerely yours,

John D. Lawrence
Project Manager

KRY/jmh

Enclosure

xc: Eric Yould, APA

ACRES AMERICAN INCORPORATED

Consulting Engineers
The Liberty Bank Building, Main Floor
Buffalo, New York 14202

Telephone: 716/834-7521

Telex: 514441 ACRES BUF

One Chancery Square, Suite 100, Alexandria, VA 22304-4100 Washington, DC

February 25, 1982
P5700.11.92
T.1533

Ms. Lee McAnerney
Department of Community and
Regional Affairs
Pouch B
Juneau, Alaska 98111

Dear Ms. McAnerney:

Susitna Hydroelectric Project
Agency Coordination Meetings

As an agency representative of the Historical and Archeological Group reviewing the Susitna Hydroelectric Project you are invited to a meeting on the morning of March 15, 1982 in the offices of Acres American Inc., 1577 "C" Street, Suite 305, Anchorage, Alaska. The purpose of this meeting will be to review the results of the Phase I archeological studies, assess mitigation options and discuss future study programs.

If you have any questions relating to these meetings, please contact Mr. Vern Smith of Acres at (907) 276-4888.

Sincerely,

KRY/ljr

John D. Lawrence
Project Manager

February 25, 1982
P5700.11.50
T.1537

Mr. Roy Huhndorf
President
Cook Inlet Region, Incorporated
P.O. Drawer 4N
Anchorage, Alaska 99509

Dear Mr. Huhndorf:

Susitna Hydroelectric Project
Agency Coordination Meetings

As a member of the Aesthetics and Land Use Group reviewing the Susitna Hydroelectric Project you are invited to a meeting on the afternoon of March 15, 1982 in the offices of Acres American Inc., 1577 "C" Street, Suite 305, Anchorage, Alaska. The purpose of this meeting will be to discuss the results of the Phase I studies and to review the alternative and proposed recreation plans.

If you have any questions relating to these meetings, please contact Mr. Vern Smith of Acres at (907) 276-4388.

Sincerely,

KRY/ljr

John D. Lawrence
Project Manager

February 25, 1982
P5700.11.71
T.1537

Mr. Keith Schrefner
Regional Director, Region 7
U.S. Fish and Wildlife Service
1011 E. Tudor Road
Anchorage, Alaska 99503

Dear Mr. Schrefner:

Susitna Hydroelectric Project
Agency Coordination Meetings

As a member of the Aesthetics/Land Use and Recreation Groups reviewing the Susitna Hydroelectric Project you are invited to a meeting on the afternoon of March 15, 1982 in the offices of Acres American Inc., 1577 "C" Street, Suite 305, Anchorage, Alaska. The purpose of this meeting will be to discuss the results of the Phase I studies and to review the alternative and proposed recreation plans.

If you have any questions relating to these meetings, please contact Mr. Vern Smith of Acres at (907) 276-4888.

Sincerely,

KRY/ljr

John D. Lawrence
Project Manager

February 25, 1982
P5700.11.92
T.1531

Mr. Ronald O. Skoog
Commissioner
State of Alaska
Department of Fish and Game
Subport Building
Juneau, Alaska 99801

Dear Mr. Skoog:

Susitna Hydroelectric Project
Agency Coordination Meetings

As an agency representative of the Historical and Archeological Group reviewing the Susitna Hydroelectric Project you are invited to a meeting on the morning of March 15, 1982 in the offices of Acres American Inc., 1577 "C" Street, Suite 305, Anchorage, Alaska. The purpose of this meeting will be to review the results of the Phase I archeological studies, assess mitigation options and discuss future study programs.

As a member of the Recreation and Aesthetics/Land Use Groups you are also invited to a meeting at the same location on the afternoon of March 15, 1982 to discuss the results of the Phase I studies and to review the alternative and proposed recreation plans.

If you have any questions relating to these meetings, please contact Mr. Vern Smith of Acres at (907) 276-4888.

Sincerely,

KRY/ljr

John D. Lawrence
Project Manager

cc: Mr. Thomas Trent
State of Alaska
Department of Fish and Game
2207 Spenard Road
Anchorage, Alaska 99502

February 25, 1982
P5700.11.92
T.1535

Mr. Robert McVey
Director, Alaska Region
National Marine Fisheries Service
NOAA
P.O. Box 1668
Juneau, Alaska 99802

Dear Mr. McVey:

Susitna Hydroelectric Project
Agency Coordination Meetings

As a representative of the Recreation Group reviewing the Susitna Hydroelectric Project you are invited to a meeting on the afternoon of March 15, 1982 in the offices of Acres American Inc., 1577 "C" Street, Suite 305, Anchorage, Alaska. The purpose of this meeting will be to discuss the results of the Phase I studies and to review the alternative and proposed recreation plans.

If you have any questions relating to these meetings, please contact Mr. Vern Smith of Acres at (907) 276-4888.

Sincerely,

KRY/ljr

John D. Lawrence
Project Manager

cc: Mr. Ron Morris
Director, Anchorage Field Office
National Marine Fisheries Service
701 "C" Street
Box 43
Anchorage, Alaska 99513

February 25, 1982
P5700.11.92
T.1532

Mr. John E. Cook
Acting Regional Director
Alaska Office
National Park Service
540 West Fifth Avenue
Anchorage, Alaska 99501

Dear Mr. Cook:

Susitna Hydroelectric Project
Agency Coordination Meetings

As an agency representative of the Historical and Archeological Group reviewing the Susitna Hydroelectric Project you are invited to a meeting on the morning of March 15, 1982 in the offices of Acres American Inc., 1577 "C" Street, Suite 305, Anchorage, Alaska. The purpose of this meeting will be to review the results of the Phase I archeological studies, assess mitigation options and discuss future study programs.

As a member of the Recreation and Aesthetics/Land Use Groups you are also invited to a meeting at the same location on the afternoon of March 15, 1982 to discuss the results of the Phase I studies and to review the alternative and proposed recreation plans.

If you have any questions relating to these meetings, please contact Mr. Vern Smith of Acres at (907) 276-4888.

Sincerely,

KRY/ljr

John D. Lawrence
Project Manager

cc: Mr. Larry Wright
National Park Service
1011 E. Tudor Road, Suite 297
Anchorage, Alaska 99503



February 26, 1982
P5700.11.74
T.1539

Mr. Al Carson
Division of Research & Development
Department of Natural Resources
323 East Fourth Avenue
Anchorage, Alaska 99501

Dear Mr. Carson:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation

As discussed through Vern Smith of our Anchorage office, meetings to review fish and wildlife mitigation efforts are scheduled for March 11 and 12, 1982 in the offices of Acres American, 1577 C Street, Suite 305, Anchorage, Alaska.

As these meetings are expected to be in the form of technical workshops, a complete day on each of the topics of fish and wildlife is considered necessary. Proposed agendas are enclosed. I will also forward, within the week, updated information packets addressing fish and wildlife impact issues and mitigation options.

As fisheries issues are being discussed on a separate day from wildlife issues, please feel free to have different technical personnel attend each of the meetings if you consider it appropriate.

As we consider these meetings to be an important component in improving the coordination between your agency and our fish and wildlife mitigation core groups, your attendance is encouraged.

If you have any questions relating to these meetings please contact myself or Vern Smith (907-276-4888).

Sincerely,

Kevin Young
Environmental Coordinator

KRY:dtp

Enclosures

ACRES AMERICAN INCORPORATED

Consulting Engineers
The Liberty Bank Building Main at Court
Buffalo, New York 14202

Telephone 716-855-7525 Telex 91-0423 ACRES BUF

Other Offices: Columbia MD, Pittsburgh PA, Raleigh NC, Washington DC

March 2, 1982

PS700.11.92

T.1534

Mr. Ty Dilliplane
State Historic Preservation Officer
Alaska Department of Natural Resources
Division of Parks
619 Warehouse Avenue, Suite 210
Anchorage, Alaska 99501

Dear Mr. Shaw:

Susitna Hydroelectric Project
Agency Coordination Meetings

As an agency representative of the Historical and Archeological Group reviewing the Susitna Hydroelectric Project you are invited to a meeting on the morning of March 15, 1982 in the offices of Acres American Inc., 1577 "C" Street, Suite 305, Anchorage, Alaska. The purpose of this meeting will be to review the results of the Phase I archeological studies, assess mitigation options and discuss future study programs.

If you have any questions relating to these meetings, please contact Mr. Vern Smith of Acres at (907) 276-4888.

Sincerely,

John D. Lawrence
Project Manager

KRY:dtp

cc: Mr. Alan Carson
Division of Research & Development
Department of Natural Resources
Pouch 7-005
Anchorage, Alaska 99501

APPENDIX B-2

FISH AND WILDLIFE MITIGATION REVIEW GROUP CORRESPONDENCE

SUSITNA WILDLIFE MITIGATION TASK FORCE

NOTES OF MEETING

January 30, 1981

Anchorage, Alaska

Compiled by: Edward T. Reed
Wildlife Ecology Group Leader
Terrestrial Environmental
Specialists, Inc.

The meeting was commenced at 9:00 a.m.

Mr. Reed gave a brief introduction and requested that all participants (see attached list) introduce themselves and indicate the organization they represented. In his introduction, Mr. Reed identified the major problem associated with the development of a Susitna wildlife mitigation program as the fact that in some cases data collection will not be complete until after the submittal of a license application to FERC (July 1, 1982). Thus the level of detail that can be incorporated into a program at the end of Phase I will vary among the various components of the wildlife studies, and in some cases there will be insufficient data available to develop a finely-tuned mitigation plan.

Mr. Carson asked what the relationship was between this meeting and the Steering Committee comments on the Task 7 Procedures Manuals. Dr. Lucid and Mr. Reed responded that, although mitigation planning was among the topics commented upon by the Steering Committee, this Task Force had been planned prior to the Steering Committee's comments and was not in response to the comments.

Mr. Wozniak explained some of the history that preceded this meeting, including the role of the Steering Committee and indicated that this meeting represented a formal consultation between the Power Authority (including the Power Authority's representatives, i.e. Acres and TES) and federal and state agencies as called for by the Fish and Wildlife Coordination Act.

Mr. Reed presented a brief outline (attached) describing the organization and functioning of the task force. At the request of Mr. Carson, the word "procedures" (Purpose of the Task Force, Item #1) was changed to "options".

The dual role of Mr. Schneider as a representative of ADF&G was discussed by Schneider, Trent, Reed, Lucid, Carson, and Wozniak. A consensus was reached that Mr. Schneider's participation in the core group was appropriate due to his technical participation on the Susitna Study Team as leader of the big game studies. All official responses from ADF&G as a participant in the review group will be handled by Mr. Trent, who will consult with Mr. Schneider on technical matters. This arrangement was satisfactory to the meeting participants.

There were no comments concerning information on the outline pertaining to the Role of the Core Group, the Role of the Review Group, or the Role of the Task Force Coordinator.

Mr. Carson raised the issue of whether or not members of the review group should be required to prepare a written discussion of concerns, issues and policy statements. Mr. Carson felt that it was the responsibility of TES to prepare such material for review and comment by the review group. Following discussion of this issue, it was agreed that the Task Force Coordinator would draft a policy statement incorporating agency concerns and submit it to the review group for comment. It was suggested that agency concerns could be better identified through personal interviews with representatives of each agency. TES and Acres will consider this approach.

Mr. Wozniak questioned whether or not all appropriate agencies were included in the mitigation task force. The involvement of the U.S. Corps of Engineers, the Environmental Protection Agency, and the National Marine Fisheries Service were raised. TES and Acres will keep these agencies in mind as the task force proceeds, although Mr. Reed indicated that the participation of these agencies may be either premature at this point in time, or be more appropriately included in the fisheries mitigation effort. Mr. Wozniak also raised the question of involvement by special interest groups. Mr. Reed and Dr. Lucid responded that the concerns of special interest groups were more appropriately coordinated through the Power Authority's public participation program. TES will prepare a list of agencies and/or groups that may be considered for consultation in the future if pertinent issues concerning such groups develop.

It was discussed, and generally agreed upon, that there are limitations to the level of detail of mitigation planning that can be performed within the Phase I time frame. Dr. Lucid, Mr. Reed, and Mr. McMullen pointed out, nevertheless, that to comply with FERC regulations, the license application must represent a commitment on the part of the applicant and that identification of "options" may not be sufficient.

It was decided that individual review group members will address all correspondence to the APA, with a copy being sent directly to Mr. Reed, will back-channel a copy to Mr. Young at Acres. Mr. Wozniak authorized the Task Force Coordinator (Mr. Reed) to represent the core group and correspond directly with members of the review group. Mr. Reed requested written confirmation of this authorization from Mr. Young. Mr. Young indicated that Acres would provide the requested documentation.

Following discussion, it was agreed that Mr. Reed would reevaluate the schedule outlined on the handout. Mr. Carson requested that a meeting be held following preparation of a policy statement and review by the review group members.

Mr. Stackhouse indicated that the USFWS had recently (within the past week) published a statement of mitigation policy in the Federal Register. Mr. Reed thanked Mr. Stackhouse for this information and indicated that the policy statement would be reviewed at the earliest possible date.

Following discussion it was decided that the core group should first prepare a mitigation policy, and following review, proceed with the preparation of a mitigation plan.

Mr. Stackhouse stated that cost effectiveness of mitigation plans is an important concern of the USFWS.

The question was raised by Dr. Lucid as to whether the applicant had any responsibility to enhance a resource, as opposed to avoidance of impacts or compensation. It was agreed that TES, in its mitigation planning, would "identify enhancement opportunities" and stop there.

The subject of compensation of impact on one species (e.g. moose) by enhancement of another (e.g. salmon) was mentioned. No agreement was reached on the validity of this concept.

The question of whether or not the review group should have a chairman was raised. Mr. Reed expressed concern that some details may be lost if one person was responsible for compiling and possibly summarizing agency comments. Mr. Carson also advised against the appointment of a chairman at this time. For the present time, the idea of a review group chairman was dropped.

Mr. Reed requested that a list be prepared with the name, mailing address, and phone number of all review group members. This list was completed and is attached.

The meeting was adjourned at approximately 11:15 a.m.

SUSITNA WILDLIFE MITIGATION TASK FORCE

MEETING OF JANUARY 30, 1981

ANCHORAGE, ALASKA

LIST OF PARTICIPANTS

| <u>PARTICIPANT</u> | <u>REPRESENTING</u> |
|--------------------|---------------------------------------------|
| Edward Reed | Terrestrial Environmental Specialists, Inc. |
| Joseph McMullen | Terrestrial Environmental Specialists, Inc. |
| Vincent Lucid | Terrestrial Environmental Specialists, Inc. |
| Robert Krogseng | Terrestrial Environmental Specialists, Inc. |
| Richard Taber | Terrestrial Environmental Specialists, Inc. |
| Jay McKendrick | University of Alaska |
| William Collins | University of Alaska |
| Brina Kessel | University of Alaska |
| Steven McDonald | University of Alaska |
| Philip Gipson | University of Alaska |
| Karl Schneider | Alaska Department of Fish and Game |
| Thomas Trent | Alaska Department of Fish and Game |
| Kevin Young | Acres American, Inc. |
| David Wozniak | Alaska Power Authority |
| Bruce Bedard | Alaska Power Authority |
| Alan Carson | Alaska Department of Natural Resources |
| Mike Scott | United States Bureau of Land Management |
| Gary Stackhouse | United States Fish and Wildlife Service |
| Bruce Apple | United States Fish and Wildlife Service |

RECEIVED JUN 17 1981

Terrestrial Environmental Specialists, inc.

R.D. 1 BOX 388 PHOENIX, N.Y. 13135 (315) 695-7228

MEMO

TO: Members of the Susitna Wildlife Mitigation Task Force

FROM: Edward T. Reed, Task Force Coordinator

DATE: June 16, 1981; 218.683

RE: Comments concerning the preliminary policy outline.

Enclosed please find another copy of the preliminary outline for the wildlife mitigation policy statement. I have inserted review comments that have been received to date. The comments have been placed immediately following the appropriate item. In the case of those comments that pertain to an entire section, they follow the last item of each section. In most cases, comments have been transcribed verbatim, although some comments had to be extracted from the correspondence and minor editorial changes were made.

It should be noted that this was a detailed outline and some of the comments would have been unnecessary if a fleshed out text version was available for review. It was impossible to totally explain all of the details and ramifications of each item within the context of an outline.

Please review the comments made by other task force members and be prepared to discuss possible adjustments to the policy statement. As noted in my memo of May 8, 1981, the next meeting of the mitigation task force will be held at 9:00 a.m. on Monday, June 29th, in the Acres Anchorage Office. Hopefully a final version of the policy statement can be agreed upon during that meeting and we can move forward with a discussion of how best to develop a mitigation plan based upon the policy statement.

WILDLIFE MITIGATION
A STATEMENT OF POLICY
PRELIMINARY OUTLINE

1 - BACKGROUND

1.1 - The Need

Included will be a general discussion of the value of the environment and why it is necessary to reduce or avoid negative impacts while still permitting reasonable energy development.

Comment

USF&WS:

This section should include a discussion of the need to adequately assess the environmental resources of the study area to determine the compatibility of the proposed project and to evaluate mitigation to adequately reduce or avoid negative impacts to environmental resources, including fish and wildlife resources, so that no net loss of habitat value occurs.

1.2 - Legal Mandates

The Federal Energy Regulatory Commission regulations, the Fish and Wildlife Coordination Act, and the National Environmental Policy Act will be discussed, as well as a consideration of the role of state and federal natural resource agencies whose task it is to protect and manage wildlife resources.

1.3 - Definition of Mitigation

This will be the 5 part NEPA definition.

2 - GENERAL POLICIES TO BE CARRIED OUT BY THE APPLICANT

2.1 - Basic Intent of the Applicant

- (a) The goal of the applicant is to strive, within the bounds of feasibility and reasonable costs, to minimize the negative impacts of the Susitna Project and compensate for unavoidable losses of wildlife and wildlife habitat.

Comment

USF&WS:

The goal of the applicant should be to develop a plan to fully mitigate unavoidable impacts which would result from the construction and operation of the project with full compensation for unavoidable losses to fish and wildlife resources.

- (b) The success of the mitigation effort will be considered the difference between impacts without mitigation and impacts with mitigation. A "no net loss of habitat value" will serve as the benchmark for measuring both the success of the mitigation effort and project impacts.

Comment

USF&WS:

Success of the mitigation effort should be assessed through comparison of habitat value of the study area with the project, including the mitigation plan, vs. without the project, over the project life. No net loss of habitat value, as determined by pre- and post-project studies is the goal. Acceptable habitat evaluation procedures (such as the Fish and Wildlife Service's Habitat Evaluation Procedures and Instream Flow Methodology) should be used to accomplish this goal.

McMullen:

"No net loss of habitat value" looks good, but it must be decided how to assess habitat value. Also, are with and/or without project scenarios going to be considered?

Gipson:

Good statement.

- (c) The applicant will provide assurances that the agreed upon mitigation plan will be a stipulated part of the construction and operation plans of the project and will be executed by either the applicant or any other organization charged with managing the project.

Comment

USF&WS:

The mitigation plan should be developed by the applicant, in coordination with the state and federal resource agencies. The plan, as agreed upon by the coordinating agencies, should be submitted by the applicant to the Federal Energy Regulatory Commission (FERC) as a component of the application to be incorporated into the license.

2.2 - Input From Agencies and the Public

- (a) The applicant will provide opportunities for the review and evaluation of concerns and recommendations presented by the public as well as by federal and state agencies.

Comment

USF&WS:

Additional review and evaluation of the project will be provided through formal agencies comments in response to state and/or federally administered licensing and permitting programs.

- (b) Agency comments and recommendations will be provided by those members of the Mitigation Task Force that represent agencies, while the concerns of the public and special interest groups will be coordinated through other means.

Comment

Gipson:

You may wish to spell out how input will be obtained from the public and how to weight the recommendations from individuals, interest groups, and governmental agencies.

McMullen:

One of the comments at the Steering Committee meeting was that the agency representatives in many instances cannot "officially" represent their agency.

2.3 - Avoidance and Reduction of Impacts

- (a) During the feasibility studies (prior to FERC license submittal) and the subsequent preparation of preliminary engineering specifications (following FERC license submittal), the applicant will take into consideration, and where practical (both from the standpoint of actual feasibility as well as cost), incorporate recommendations to avoid and/or reduce negative impacts on wildlife resources.

Comment

USF&WS:

The project, including mitigation found to be acceptable to the state and federal resource agencies, should be evaluated in regard to reasonable cost; not with and without the mitigation plan. The total cost of mitigation then becomes part of the total project cost.

- (b) Also considered under this policy will be operation stipulations that can be implemented to reduce negative impacts on the wildlife resource. Recommendations for operation stipulations will be provided to the design engineer during both the feasibility studies and the preliminary engineering phase as appropriate.

Comment

USF&WS:

Construction and operating stipulations to reduce negative impacts to fish and wildlife resources should be evaluated during the feasibility studies. Stipulations found acceptable by the coordinating agencies should be incorporated into the mitigation plan submitted as part of the license application.

2.4 - Compensation for Unavoidable Losses of Wildlife Resources

- (a) Where biologically feasible and cost effective management techniques are available, the applicant will institute management efforts to compensate for unavoidable impacts.

Comment

USF&WS:

Compensation for unavoidable losses to fish and wildlife resources should be in accordance with a plan developed by the applicant, in coordination with state and federal resource agencies. The plan, found acceptable to the coordinating agencies should be submitted to FERC for incorporation into the project license. The compensation plan, a component of the overall mitigation plan, should be the result of a habitat evaluation, utilizing a procedure judged acceptable to the state and federal agencies with primary responsibility for fish and wildlife resources.

- (b) Where possible, compensation will be of an in-kind nature. This applies to both wildlife species as well as habitats.

Comment

USF&WS:

In-kind compensation where "possible"; should be mutually determined by the applicant and the coordinating state and federal agencies, prior to licensing.

2.5 - Geographic Coverage of the Wildlife Mitigation Policy

- (a) In regard to both impact avoidance and compensation, the mitigation policy will address all wildlife species utilizing the impoundment zone and other project related areas (e.g., borrow sites), as well as the riparian zone downstream to Talkeetna.

Comment

USF&WS:

Determination of the extent of impacts attributable to the project needs to be accomplished. Formulation of a mitigation plan cannot proceed until the extent of the impacts, both direct and indirect, has been identified.

McMullen:

If key or target species are used to evaluate habitat values then this may require rewording.

Gipson:

What treatment will be given to access roads, power line rights-of-way, and possible buffer zones around the impoundments?

- (b) Downstream from Talkeetna to Cook Inlet the primary mitigation effort will be directed towards any impacts that might occur in regard to riparian habitats.

Comment

USF&WS:

The mitigation effort should be directed at reducing impacts where they are identified, addressing all primary and secondary impact areas, for all project features.

Taber:

It seems probable that 100% mitigation above the dam will not be feasible, so mitigation below the dam may be one of the next best choices. If a broad view of what "below the dam" consists of is maintained, then more mitigation options will be available than if the view is narrow.

2.6 - Establishment of Priorities

- (a) Although all wildlife species will be considered (including big game species, non-game species, and furbearers), it will be necessary to identify the "key" or "target" species and establish some order of priority in regard to the development of a mitigation plan.

Comment

McMullen:

If key or target species are used to evaluate habitat values then this may require rewording.

- (b) In order to prepare a mitigation plan that can be successfully implemented while at the same time placing mitigation efforts in perspective, certain wildlife species and/or habitats will be given priority in mitigation planning based on: 1) importance of the species/habitat both to Alaskan residents and the ecosystem; (2) availability of practical mitigation measures; (3) species with special status, such as threatened or endangered; (4) estimated costs required to execute mitigation measures. This list of criteria is not organized in any priority order.

Comment

Gipson:

Possibly something should be added to indicate that some ecological criteria will be used to establish priorities, in addition to human values. For example, those species that contribute significantly to total energy flow through the system (small mammals and nesting birds) and/or those species that make up the bulk of animal biomass (again small mammals) should be considered important.

McMullen:

These criteria could be easily expanded to be utilized in the generation of relative value indices.

USF&WS: (pertains to 2.6 in general)

Since all wildlife species are to be considered, "key" species should be chosen so that they represent particular segments (guilds) of the community. Species which provide guild representation and are also considered "important" by the resource agencies and/or public should be given priority. Species which are federally listed as threatened or endangered, or proposed for listing, must be handled separately in accordance with Section 7 of the Endangered Species Act. The practicality of the mitigation plan developed, in regard to the concerns of the applicant and coordinating agencies, would be demonstrated through its acceptability to these agencies.

2.7 - Impact-Related Versus Non-Impact-Related Lands

- (a) To the greatest extent possible, mitigation measures will be implemented on or immediately adjacent to the area where the impact takes place.
- (b) Where this is not possible, priority will be given first to suitable areas as close as possible to the area of impact.
- (c) As a last resort, areas totally removed from the impact area will be considered for mitigation efforts.

Comment (pertains to 2.7 in general)

USF&WS:

Statements apply to both direct and indirect impacts.

Schneider:

In sections 2.7 and 2.8, you emphasize mitigation close to the impact area even to the point of enhancement of a different species rather than move to a more distant area. The problem is in definition of such terms as "reasonable proximity". Users of wildlife are fairly mobile and tend to greatly favor one species over another. This, combined with practical considerations, might make it difficult to stick with the policy.

I haven't given this a great deal of thought, but an alternate approach might be to direct mitigation measures at the animal population or subpopulation impacted when this is clearly feasible.

When the feasibility of this approach is in doubt, perhaps mitigation measures should be directed at user groups. A series of alternate mitigation measures could be drawn up and submitted for public review.

The point is that the public might agree with your policy, but disagree with your plan when they see what it means in reality. Why not recognize that the issue is complex and subjective from the start?

2.8 - In-Kind Compensation Versus Availability of Areas Suitable For Mitigation

- (a) In the event that suitable areas for in-kind compensation for a particular species/habitat do not exist within reasonable proximity to the impact area, the first priority will be to compensate for such loss by enhancement of a different species and/or habitat that is close to the impact area.
- (b) If compensation by means of a different species proves impractical or unacceptable, in-kind compensation in areas totally removed from the impact area will be considered.

Comment (pertains to 2.8 in general)

Schneider:

See comment under 2.7.

2.9 - Land Ownership

- (a) Interviews will be conducted with private owners as well as pertinent state and federal agencies to preliminarily identify land use policies or ownership that may act as constraints on mitigation efforts.
- (b) Where no land use constraints have been identified, the analysis of mitigation alternatives will proceed based on biological factors.
- (c) Following review by agencies and private landowners for compatibility with land use policies, the mitigation plan will then be reassessed and adjusted as necessary in order to insure that proposed actions can be legally and practically executed. Where mitigation opportunities exist, the applicant will work closely with land management agencies to insure the successful implementation of the plan.

2.10 - Restoration of Disturbed Areas

The applicant will consider various options (e.g. regrading and revegetation, permitting natural invasion and succession, etc.) in the reclamation of areas that will be disturbed by project activities such as borrow areas and construction camps.

Comment

USF&WS:

Restoration of disturbed areas should be in accordance with a plan developed by the applicant, in coordination with the state and federal resource agencies. The plan, found acceptable to the coordinating agencies should be submitted to FERC for incorporation into the project license.

McKendrick:

I would emphasize that the revegetation, etc., of borrow areas be coordinated with land use policies of owners. Also, considering such areas as prospective browse production sites may be feasible, if there is any soil available after excavation. They may be considered potential sites to compensate for browse losses in the impoundment areas.

Heavy grass seeding will probably retard natural succession of browse species. We really need to examine some of the myriads of highway and seismic disturbances to see if we can identify successional sequences and bypasses and develop some reasonable scheme in habitat formation for this region.

2.11 - Nuisance Animals

In order to avoid altering the natural behavior of animals resident to the project area, rules designed to prevent, or reduce nuisance animal problems will be established. Procedures will also be formulated to relocate problem animals.

Comment

USF&WS:

A plan, found acceptable to the coordination agencies, should be developed and submitted to FERC for incorporation into the project license.

Schneider:

Relocation is generally a poor policy as animals usually return or cause problems in other areas. Animals can be captured only under permits issued by the Commissioner of Fish and Game. He will set policy on this issues, not APA.

Gipson:

Other possibilities may be: 1) strict garbage control and disposal, 2) fencing of semi-permanent camps, 3) education programs for workers to prevent feeding and harassing wild animals in order to reduce impacts and conflicts with people.

2.12 - Access

- (a) Since the potential impact of increased human access on wildlife is a major concern, measures will be considered and the most appropriate ones implemented to reduce impacts on wildlife as a result of improved access.
- (b) This will include access policies during both the construction and operation phases of the project.

Comment (pertains to 2.12 in general)

USF&WS:

A plan, found acceptable to the coordinating agencies, should be developed and submitted to FERC for incorporation into the project license.

2.13 - Hunting

- (a) Acknowledging that sport hunting is an important component of the Alaskan lifestyle and economy, it will be incorporated as a major component in mitigation planning.
- (b) Hunting rules and/or recommendations to insure the safety of project personnel and the public will be considered.
- (c) For obvious reasons, any policy determination concerning hunting must be integrated with access policy and the applicant will consider both access and hunting policy in a coordinated manner.

Comment (pertains to 2.13 in general)

USF&WS:

This section should be expanded to include other forms of wildlife recreation as well, e.g., bird watching, photography. A plan, found acceptable to the coordinating agencies, should be developed and submitted to FERC for incorporation into the project license.

Gipson:

I would like for you to include trapping and fishing in this section if you feel they are appropriate for inclusion.

Schneider:

Replace "sport hunting" with "hunting and trapping". Many Alaskans would interpret your wording to exclude subsistence hunting. This issue is both difficult to define and highly emotional. There is no need to raise it here. Obviously, we want to preserve all legal hunting and trapping options.

Any hunting rules or policies other than those instituted by an employer on their employees are the responsibility of the Board of Game. APA can make recommendations as can any group or individual, but it is up to the Board of Game to examine all factors and set regulations for dealing with problems.

Reed:

It may be that this section is not appropriate at all for inclusion with a wildlife mitigation policy effort and may be better suited for prime consideration under the recreation planning portion of the Susitna study effort; although coordination between recreation planners and the wildlife mitigation group is certainly necessary.

2.14 - Responsibility For Implementation of the Mitigation Plan

- (a) Prior to the initiation of construction an agreement will be reached for determining responsibility for implementation of the mitigation plan.

Comment

USF&WS:

Responsibility for implementation of the mitigation plan rests with the applicant. Any agreements entered into by the applicant for the delegation of direct implementation authority for the mitigation plan would need to include stipulations to prevent deviation from the accepted plan.

Reed:

Due to wording there is some confusion between 2.14 (a) and 2.1 (c). The intent of the wording in 2.1 (c) was to indicate that the applicant (APA) was ultimately responsible for seeing that the mitigation plan is executed as agreed upon. The purpose of 2.14 (c) was not to indicate that any organization other than the applicant would have ultimate responsibility, but to indicate that an agreement would have to be reached as to exactly who (ADF&G, USF&WS, TES, etc.) would actually execute the plan. A rewording, or further explanation is needed to prevent a misunderstanding between these two items.

- (b) Realizing that a mitigation monitoring team will be necessary to insure the proper and successful execution of the mitigation plan, part of the plan will detail the structure and responsibilities of such a monitoring body.

Comment

USF&WS:

The mitigation monitoring team should include representatives of the applicant, FERC, and the state and federal agencies with designated responsibility for fish and wildlife resources. The financing, composition, and plan of study should be agreed to by the prospective participants during the formulation of the mitigation plan as a component of the mitigation plan to be submitted to FERC for incorporation into the license.

2.15 - Modification of the Mitigation Plan

- (a) As part of the mitigation plan a monitoring program will be established, the purpose of which will be to monitor wildlife populations during the construction and operation of the project in order to determine the effectiveness of the plan as well as to identify problems that were not anticipated during the initial preparation of the plan.

Comment

USF&WS:

See comments above (2.14.b).

Gipson:

This section, 2.15 (a) is good.

- (b) The mitigation plan will be sufficiently flexible so that if adequate data secured during the monitoring of wildlife populations indicate that the mitigation effort should be modified, the mitigation plan can be adjusted accordingly; this may involve an increased effort in some areas where the original plan has proven ineffective, as well as a reduction in some cases where impacts failed to materialize as predicted.

Comment

USF&WS:

Any modification to the mitigation plan should be coordinated with, and agreeable to, the state and federal agencies with designated responsibility for fish and wildlife resources.

General Comments

McKendrick:

Bill Collins and I both received and read the Preliminary Outline. Generally, it appears acceptable and comprehensive.

Wozniak:

We have no comments relative to the version of the Mitigation Policy outline transmitted to us by Ed Reed's memo of May 8, 1981. (Note: The APA did review an earlier version and provided suggestions and comments that were incorporated into this review version).

Gipson:

This is a well written outline. You may want a section treating use of 4-wheel drive vehicles and snow machines.

USF&WS:

We appreciate the opportunity to review the preliminary outline "Wildlife Mitigation: A Statement of Policy". We have done so in light of the Fish and Wildlife Service's Mitigation Policy (copy attached) and have provided comments which are consistent with that policy.

Terrestrial Environmental Specialists, inc.

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|--------------------------------------|---------|----------------|---------|
| ALASKA POWER AUTHORITY SUSITNA | | | |
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| SEQUENCE NO. 1784 | | | |
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SUSITNA WILDLIFE MITIGATION TASK FORCE

NOTES OF MEETING

June 29, 1981

Anchorage, Alaska

Compiled by: Edward T. Reed
Wildlife Ecology Group Leader
Terrestrial Environmental
Specialists, Inc.

The meeting was commenced at 9:00 a.m. A list of participants is attached.

Mr. Reed gave a brief introduction and description of what had taken place since the last meeting. He then asked if the participants would like to make any general comments concerning the policy outline prior to beginning a detailed discussion of the items contained within the outline.

Mr. Wozniak requested that the purpose of the meeting be to move towards a finalized statement as the next product.

Mr. Trent stated that although the policy addressed federal regulations, there are state regulations concerning mitigation in draft form, and the mitigation effort should stand prepared to include the intent and approach presented in those state regulations. He also indicated that the state regulations would use the five basic forms of mitigation as defined by NEPA, but will go further in stressing the priority of the forms. He indicated that the new regulations would be incorporated under Title 16 law. Mr. Trent also suggested that a matrix type approach be developed to be used in reviewing the various forms of mitigation that might be used on the Susitna Project.

Mr. Trent said that for the purpose of developing mitigation policy it would be advisable to involve the personnel responsible for the fisheries mitigation effort. Mr. Schneider agreed that the policy statements for both fish and wildlife should be basically the same. Mr. Wozniak also indicated that this would be preferable. Mr. Wozniak then requested that Mr. Reed take the appropriate steps to obtain the involvement of the fisheries group. Mr. Reed agreed to contact the appropriate fisheries personnel and request that they accelerate the establishment of a fisheries mitigation task force and be provided with information pertaining to the policy statement currently being prepared by the wildlife task force.

A discussion took place concerning the level of mitigation planning that would be available for inclusion with the FERC license application versus what will have to follow during Phase II. Mr. Wozniak warned that Phase II should not serve as a convenient excuse for not having critical portions of the application prepared for the projected submittal date. Mr. Carson indicated that a commitment to the process that would be used throughout the mitigation effort should be an important item for the application. Since the discussion indicated that at a minimum, it will be possible to have prepared a policy statement, an approach to mitigation, and an outline of the plan, Mr. Reed asked representatives of the U.S. Fish and Wildlife Service if that level of effort would satisfy their review needs as stipulated under the Fish and Wildlife Coordination Act. Mr. Stackhouse replied that in the absence of a complete, detailed mitigation plan, they (USF&WS) would not be able to make a final recommendation.

Mr. Schneider suggested that the next step should be the development of a process, or methodology, to be used in making mitigation decisions. This suggestion was received favorably by the other participants.

In reviewing the meeting to this point, Mr. Reed and Mr. Wozniak agreed that the next steps should be to expand the outline to a draft policy statement, prepare a decision making methodology, and develop an outline of the plan.

2.15 - Mr. Wozniak stated that the APA is in agreement with this item and has no problem with the wording.

Mr. Carson expressed the opinion that the mitigation effort was going well and he was pleased with the approach being taken so far.

The meeting was adjourned at approximately 11:30 a.m.

SUSITNA WILDLIFE MITIGATION TASK FORCE
MEETING OF JUNE 29, 1981
ANCHORAGE, ALASKA

LIST OF PARTICIPANTS

PARTICIPANT

REPRESENTING

| | |
|-----------------|---------------------------------------------|
| Edward Reed | Terrestrial Environmental Specialists, Inc. |
| Leonard Corin | United States Fish and Wildlife Service |
| Gary Stackhouse | United States Fish and Wildlife Service |
| David Wozniak | Alaska Power Authority |
| Brina Kessel | TES/University of Alaska |
| Thomas Trent | Alaska Department of Fish and Game |
| Joseph McMullen | Terrestrial Environmental Specialists, Inc. |
| Karl Schneider | Alaska Department of Fish and Game |
| Philip Gipson | TES/University of Alaska |
| Alan Carson | Alaska Department of Natural Resources |
| Robert Krogseng | Terrestrial Environmental Specialists, Inc. |
| Jay McKendrick | TES/University of Alaska |

At this point it was agreed to review the policy outline, item by item, commenting on the information and determining which items are appropriate for a policy statement and which items might be more suitable for inclusion in other sections. The following notes are organized by items corresponding to the outline.

1.1 - Mr. Trent indicated that there is a need to study the resources and for the APA to commit to mitigation. He suggested substituting "mitigate" for "reduce or avoid."

1.2 - Mr. Trent reiterated the need to take into consideration state policies and regulations. Mr. Carson suggested consideration of the DNR Instream Flow Bill and the Coastal Zone Management Group.

1.3 - Mr. Trent suggested that the remaining items discuss mitigation collectively rather than identifying only certain forms of mitigation.

2.1

(a) - Mr. Trent said that a compromise position is needed somewhere between the phrases "agreeable to all agencies" and "feasible and reasonable." Mr. Carson suggested removing the phrase "feasible and reasonable." Mr. Trent suggested using a phrase such as, "to strive to mitigate the negative impacts." Mr. Schneider mentioned that reality should be kept in mind when defining the intent.

(b) - Mr. Wozniak indicated that there was no problem with this item but felt that it should be removed from the policy statement and incorporated at a different point in the mitigation plan. Mr. Carson agreed.

(c) - Mr. Wozniak indicated that this item would be part of the license and indicated that an associated goal would be to reach an agreement between the resource agencies and the applicant.

2.2 - Mr. Carson discussed the roles of the APA and the resource agencies as they pertain to public input. The possibility of agency personnel being available at public workshops to present the position of their respective agencies was discussed. Mr. Wozniak liked the idea of agency personnel being available during public meetings.

2.3

(a) - Mr. Carson reiterated a previously expressed concern about the wording of this item. Mr. Wozniak remarked that the agencies and the APA are polarized in regard to this item. Following discussion it was agreed that what is needed is a rewording that will provide the agencies with stronger assurances, while at the same time not totally committing the APA.

(b) - It was agreed that this item is too specific for a policy statement and might be more appropriately incorporated into a "methodology" section.

2.4 - Mr. Trent suggested that the forms of mitigation be combined under a more general category. It was agreed that this section should be removed from the policy statement and placed elsewhere.

2.5 - Mr. Stackhouse expressed interest in how the coverage would be defined. It was agreed that this section may also be more appropriately covered in a subsequent portion of the mitigation plan.

2.6 thru 2.13 - It was agreed that these sections would also be more appropriately addressed in other portions of the mitigation plan.

2.14 - Mr. Wozniak indicated that the APA is in agreement with this item and has no problem with the wording. Mr. Carson felt that 2.14(b) should be reworded to include the word "funding" and suggested the following wording, "...part of the plan will detail the structure, funding, and responsibilities..." Mr. Wozniak felt that this may be a problem at this time and indicated that funding arrangements are an item that would have to be negotiated at a later date. Mr. Wozniak also felt that it was a good idea for the agencies to provide a commitment to cooperate in this effort.

January 7, 1982
P5700.11.91
T.1396

Ms. Judi Schwarz
Environmental Evaluation Branch
U.S. Environmental Protection Agency
Region X
1200 Sixth Avenue
Seattle, Washington 98101

Dear Ms. Schwarz:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation
Review Group Meeting

Enclosed for your review:

- 1) Susitna Hydroelectric Project Fish and Wildlife Mitigation Policy.
- 2) Draft Analysis of Wildlife Mitigation Options.
- 3) Draft Analysis of Fisheries Mitigation Options.

These documents will be discussed at the Fish and Wildlife Mitigation Review Group Meeting to be held at 9:00 a.m. (note change of time from letter of December 18, 1981) on January 20, 1982 at the office of the Alaska Power Authority, 334 West 5th Avenue, Anchorage. I hope you will be able to attend the meeting.

Sincerely yours,

Kevin R. Young
Susitna Environmental Coordinator

MKG/jmh

Enclosures

January 7, 1982
P5700.11.71
T.1394

Mr. Gary Stackhouse
U.S. Fish and Wildlife Service
1011 East Tudor Road
Anchorage, Alaska 99502

Dear Mr. Stackhouse:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation
Review Group Meeting

Enclosed for your review:

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Sincerely yours,

Kevin R. Young
Susitna Environmental Coordinator

MMG/jmh

Enclosures

January 7, 1982
P5700.11.75
T.1393

Mr. Michael Scott
District Fisheries Biologist
U.S. Bureau of Land Management
4700 East 72nd Street
Anchorage, Alaska 99507

Dear Mr. Scott:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation
Review Group Meeting

Enclosed for your review:

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Sincerely yours,

Kevin R. Young
Susitna Environmental Coordinator

MMG/jmh

Enclosures

January 7, 1982
P5700.11.91
T.1392

Mr. Bradley Smith
Environmental Assessment Division
National Marine Fisheries Service
Federal Building & U.S. Court House
701 "C" Street, Box 43
Anchorage, Alaska 99513

Dear Mr. Smith:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation
Review Group Meeting

Enclosed for your review:

- 1) Susitna Hydroelectric Project Fish and Wildlife Mitigation Policy.
- 2) Draft Analysis of Wildlife Mitigation Options.
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Sincerely yours,

Kevin R. Young
Susitna Environmental Coordinator

MMG/jmh

Enclosures

January 7, 1982
P5700.11.74
T.1391

Mr. Al Carson
Division of Research & Development
Department of Natural Resources
323 East Fourth Avenue
Anchorage, Alaska 99501

Dear Mr. Carson:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation
Review Group Meeting

Enclosed for your review:

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- 3) Draft Analysis of Fisheries Mitigation Options.

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Sincerely yours,

Kevin R. Young
Susitna Environmental Coordinator

MMG/jmh

Enclosures

February 26, 1982
P5700:11.92
T.1544

Ms Judi Schwarz
Environmental Evaluation Branch
U.S. Environmental Protection Agency
Region X
1200 Sixth Avenue
Seattle, Washington 98101

Dear Ms. Schwarz:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation

As discussed through Vern Smith of our Anchorage office, meetings to review fish and wildlife mitigation efforts are scheduled for March 11 and 12, 1982 in the offices of Acres American, 1577 C Street, Suite 305, Anchorage, Alaska.

As these meetings are expected to be in the form of technical workshops, a complete day on each of the topics of fish and wildlife is considered necessary. Proposed agendas are enclosed. I will also forward, within the week, updated information packets addressing fish and wildlife impact issues and mitigation options.

As fisheries issues are being discussed on a separate day from wildlife issues, please feel free to have different technical personnel attend each of the meetings if you consider it appropriate.

As we consider these meetings to be an important component in improving the coordination between your agency and our fish and wildlife mitigation core groups, your attendance is encouraged.

If you have any questions relating to these meetings please contact myself or Vern Smith (907-276-4888).

Sincerely,

Kevin Young
Environmental Coordinator

KRY:d1p

Enclosures



February 26, 1982
P5700.11.74
T.1539

Mr. Al Carson
Division of Research & Development
Department of Natural Resources
323 East Fourth Avenue
Anchorage, Alaska 99501

Dear Mr. Carson:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation

As discussed through Vern Smith of our Anchorage office, meetings to review fish and wildlife mitigation efforts are scheduled for March 11 and 12, 1982 in the offices of Acres American, 1577 C Street, Suite 305, Anchorage, Alaska.

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Sincerely,

Kevin Young
Environmental Coordinator

KRY:dlp

Enclosures

ACRES AMERICAN INCORPORATED

Consulting Engineers
The Liberty Bank Building Main at Court
Buffalo, New York 14202

Telephone 716-853-7525

Telex 91-6423 ACRES BUF

February 26, 1982
P5700.11.75
T.1541

Mr. Michael Scott
District Fisheries Ciologist
U.S. Bureau of Land Management
4700 East 72nd Street
Anchorage, Alaska 99507

Dear Mr. Scott:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation

As discussed through Vern Smith of our Anchorage office, meetings to review fish and wildlife mitigation efforts are scheduled for March 11 and 12, 1982 in the offices of Acres American, 1577 C Street, Suite 305, Anchorage, Alaska.

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Sincerely,

Kevin Young
Environmental Coordinator

KRY:d1p

Enclosures

February 26, 1982
P5700.11.70
T.1543

Mr. Carl Yanagawa
Regional Supervisor for Habitat Division
Alaska Department of Fish & Game
333 Raspberry Road
Anchorage, Alaska 99502

Dear Mr. Yanagawa:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation

As discussed through Vern Smith of our Anchorage office, meetings to review fish and wildlife mitigation efforts are scheduled for March 11 and 12, 1982 in the offices of Acres American, 1577 C Street, Suite 305, Anchorage, Alaska.

As these meetings are expected to be in the form of technical workshops, a complete day on each of the topics of fish and wildlife is considered necessary. Proposed agendas are enclosed. I will also forward, within the week, updated information packets addressing fish and wildlife impact issues and mitigation options.

As fisheries issues are being discussed on a separate day from wildlife issues, please feel free to have different technical personnel attend each of the meetings if you consider it appropriate.

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If you have any questions relating to these meetings please contact myself or Vern Smith (907-276-4888).

Sincerely,

Kevin Young
Environmental Coordinator

KRY:dlp

Enclosures

February 26, 1982
P5700.11.71
T.1542

Mr. Gary Stackhouse
U.S. Fish & Wildlife Service
1011 East Tudor Road
Anchorage, Alaska 99502

Dear Mr. Stackhouse:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation

As discussed through Vern Smith of our Anchorage office, meetings to review fish and wildlife mitigation efforts are scheduled for March 11 and 12, 1982 in the offices of Acres American, 1577 C Street, Suite 305, Anchorage, Alaska.

As these meetings are expected to be in the form of technical workshops, a complete day on each of the topics of fish and wildlife is considered necessary. Proposed agendas are enclosed. I will also forward, within the week, updated information packets addressing fish and wildlife impact issues and mitigation options.

As fisheries issues are being discussed on a separate day from wildlife issues, please feel free to have different technical personnel attend each of the meetings if you consider it appropriate.

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If you have any questions relating to these meetings please contact myself or Vern Smith (907-276-4888).

Sincerely,

Kevin Young
Environmental Coordinator

KRY:dlp

Enclosures

February 26, 1982
P5700.11.91
T.1540

Mr. Bradley Smith
Environmental Assessment Division
National Marine Fisheries Service
Federal Building & U.S. Court House
701 C Street, Box 43
Anchorage, Alaska 99513

Dear Mr. Smith:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation

As discussed through Vern Smith of our Anchorage office, meetings to review fish and wildlife mitigation efforts are scheduled for March 11 and 12, 1982 in the offices of Acres American, 1577 C Street, Suite 305, Anchorage, Alaska.

As these meetings are expected to be in the form of technical workshops, a complete day on each of the topics of fish and wildlife is considered necessary. Proposed agendas are enclosed. I will also forward, within the week, updated information packets addressing fish and wildlife impact issues and mitigation options.

As fisheries issues are being discussed on a separate day from wildlife issues, please feel free to have different technical personnel attend each of the meetings if you consider it appropriate.

As we consider these meetings to be an important component in improving the coordination between your agency and our fish and wildlife mitigation core groups, your attendance is encouraged.

If you have any questions relating to these meetings please contact myself or Vern Smith (907-276-4888).

Sincerely,

Kevin Young
Environmental Coordinator

KRY:dlp

Enclosures

March 2, 1982
P5700.11.74
T.1543

Mr. Al Carson
Division of Research & Development
Department of Natural Resources
Pouch 7-005
Anchorage, Alaska 99501

Dear Mr. Carson:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation
Review Group Meeting

Enclosed for your information are:

1. The Susitna Hydroelectric Project Fish and Wildlife Mitigation Policy (Revised)
2. Wildlife Mitigation Options (Revised)
3. Fisheries Mitigation Options (Revised)

Please review these documents prior to the meeting of the Fish and Wildlife Mitigation Review Group on March 10, 1982 at 8:30 am in the offices of Acres American, 1577 C Street, Anchorage. We will discuss the Policy and Wildlife Mitigation Options on the 10th and the Fisheries Mitigation Options on the 11th, as referred to in the invitation letter of February 26, 1982.

Thank you very much.

Sincerely,

Kevin Young
Susitna Environmental
Coordinator

KRY:d1p

Enclosures

March 2, 1982
P5700.11.91
T.1549

Mr. Bradley Smith
Environmental Assessment Division
National Marine Fisheries Service
Federal Building & U.S. Court House
701 C Street, Box 43
Anchorage, Alaska 99513

Dear Mr. Smith:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation
Review Group Meeting

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at 8:30 am in the offices of Acres American, 1577 C Street,
Anchorage. We will discuss the Policy and Wildlife Mitiga-
tion Options on the 10th and the Fisheries Mitigation Op-
tions on the 11th, as referred to in the invitation letter
of February 26, 1982.

Thank you very much.

Sincerely,

Kevin Young
Susitna Environmental
Coordinator

KRY:dlp

Enclosures

March 2, 1982
P5700.11.75
T.1550

Mr. Michael Scott
District Fisheries Biologist
U.S. Bureau of Land Management
4700 East 72nd Street
Anchorage, Alaska 99507

Dear Mr. Scott:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation
Review Group Meeting

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Thank you very much.

Sincerely,

Kevin Young
Susitna Environmental
Coordinator

KRY:dlp

Enclosures

March 2, 1982
P5700.11.70
T.1552

Mr. Carl Yanagawa
Regional Supervisor for Habitat Division
Alaska Department of Fish & Game
833 Raspberry Road
Anchorage, Alaska 99502

Dear Mr. Yanagawa:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation
Review Group Meeting

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and Wildlife Mitigation Policy (Revised)
2. Wildlife Mitigation Options (Revised)
3. Fisheries Mitigation Options (Revised)

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at 8:30 am in the offices of Acres American, 1577 C Street,
Anchorage. We will discuss the Policy and Wildlife Mitiga-
tion Options on the 10th and the Fisheries Mitigation Op-
tions on the 11th, as referred to in the invitation letter
of February 25, 1982.

Thank you very much.

Sincerely,

Kevin Young
Susitna Environmental
Coordinator

KRY:dlp

Enclosures

March 2, 1982
P5700.11.92
T.1553

Ms. Judi Schwarz
Environmental Evaluation Branch
Mail Stop 443
U.S. Environmental Protection Agency
Region X
1200 Sixth Avenue
Seattle, Washington 98101

Dear Ms. Schwarz:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation
Review Group Meeting

Enclosed for your information are:

1. The Susitna Hydroelectric Project Fish
and Wildlife Mitigation Policy (Revised)
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of February 26, 1982.

Thank you very much.

Sincerely,

Kevin Young
Susitna Environmental
Coordinator

KRY:dlp

Enclosures

March 2, 1982
P5700.11.71
T.1551

Mr. Gary Stackhouse
U.S. Fish & Wildlife Service
1011 East Tudor Road
Anchorage, Alaska 99502

Dear Mr. Stackhouse:

Susitna Hydroelectric Project
Fish and Wildlife Mitigation
Review Group Meeting

Enclosed for your information are:

1. The Susitna Hydroelectric Project Fish
and Wildlife Mitigation Policy (Revised)
2. Wildlife Mitigation Options (Revised)
3. Fisheries Mitigation Options (Revised)

Please review these documents prior to the meeting of the
Fish and Wildlife Mitigation Review Group on March 10, 1982
at 8:30 am in the offices of Acres American, 1577 C Street,
Anchorage. We will discuss the Policy and Wildlife Mitiga-
tion Options on the 10th and the Fisheries Mitigation Op-
tions on the 11th, as referred to in the invitation letter
of February 26, 1982.

Thank you very much.

Sincerely,

Kevin Young
Susitna Environmental
Coordinator

KRY:dlp

Enclosures

SUSITNA HYDROELECTRIC PROJECT
FISH AND WILDLIFE MITIGATION REVIEW GROUP MEETING
March 10, 1982

Held at the Offices of Alaska Power Authority, Anchorage
Attendees: See attached list.

The meeting followed the attached agenda. The revised Fish and Wildlife Mitigation Policy was discussed. Agreement was reached on all areas where further revisions were suggested. The policy will be modified and circulated to the review group members by April 15, 1982.

Ed Reed and Karl Schneider presented the results of the wildlife baseline studies and impacts prediction. Attendees were provided with the sections of the Feasibility Report addressing these issues.

General mitigation options were discussed. HEP was not dismissed but questioned as to its validity to big game species in Alaska. It was agreed some kind of habitat evaluation, in addition to population studies would have to be conducted. TES has developed a habitat analysis method (used on the access road studies) and this may be modified and used. The question of land set aside was also discussed but no decision reached.

Ed Reed suggested, for discussion purposes, the option of APA funding a permanent research station in the Upper Susitna Basin. It was agreed this was an option but should be considered only if other options (avoid, reduce, etc.) fail, i.e. it would be used on out-of-kind compensation.

Studies for Phase II to quantify impacts and for mitigation planning were reviewed with Attachment A forming the basis for discussion. The BLM burn in the Alphabet Hills may not proceed due to lack of burn plan being written and possible requirement for an archaeological clearance. APA may contact BLM to determine how a go decision could be reached.

Fish and Wildlife Review Group

3/10/82 MITIGATION MEETING -

| <u>NAME</u> | <u>REPRESENTING</u> |
|-------------------|-------------------------------------|
| BRAD SMITH | NMFS |
| Al CARSON | AK ONR |
| DON FOLLOWS | Acres American - Region |
| Bob KROGSENG | TES |
| Mike Scott | BLM |
| Leonard T. Corin | USFWS |
| Gary L Stackhouse | USFWS |
| Michael Grubb | Acres American |
| FRANK BANFIELD | RANGIER ASSOCIATES - TES CONSULTANT |
| CARL YANAGAWA | ADFEG |
| Tom Arminski | ADFG |
| Ed Reed | TES |
| JOE M. MULLEN | TES |
| Jay D. MCKENDRICK | UOFA./TES |

ATTACHMENT A

**Susitna Hydroelectric Project
Wildlife Mitigation
High Priority Issues**

| Issue No. | Wildlife Affected | Impact | Mitigation Options | <u>Studies Under Consideration for 4/82 Through 6/83</u> | |
|-----------|-----------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| | | | | <u>To Quantify Impacts</u> | <u>For Mitigation Planning</u> |
| 6 | Upper basin moose | Habitat loss | Compensation via habitat management; burning, crushing, logging. Land set aside. | Browse availability, productivity, and utilization, winter census of impoundment zone. | Assessment of BLM experimental burn. Identify downstream and upstream areas for habitat management. |
| 8 | Brown bear | Spring foraging habitat loss. | Out-of-kind. Land set aside. | Spring census of impoundment zone. Census of salmon feeding bears, Devil Canyon to Talkeetna. | |
| 9 | Wolf | Habitat loss. Food base reduction. | Maintain food base. Land set aside. Do nothing. | Territory mapping of packs in immediate project area. | |
| 20 | Upstream furbearers and big game except Dall sheep. | Increased human activity from access road and construction camps. | Construction period: Prohibit public access, prohibit worker off-site activity, restrict traffic. Post-construction period: Restrict public access, prohibit ATV traffic, monitor wildlife populations. | | |

Susitna Hydroelectric Project
Wildlife Mitigation
Medium Priority Issues

| <u>Issue No.</u> | <u>Wildlife Affected</u> | <u>Impact</u> | <u>Mitigation Options</u> | <u>Studies Under Consideration for 4/82 Through 6/83</u> | |
|------------------|--------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------|
| | | | | <u>To Quantify Impacts</u> | <u>For Mitigation Planning</u> |
| 2 | Pine marten. | Habitat loss. | Out-of-kind for other furbearers. Land set aside. | Population estimate. | |
| 3 | Cliff-nesting raptors. | Nesting habitat loss. | Recreation planning, clearing operation scheduling, air traffic restrictions, artificial nest platforms. | | |
| 4 | Bald eagle. | Feeding habitat loss, nesting habitat loss. | Preservation of tall trees, artificial nest platforms, reservoir stocking. | | Downstream survey. |
| 7 | Black bear. | Habitat loss. | Out-of-kind to moose, out-of-kind to other species, land set aside. | Population estimate of impoundment zone; census of salmon feeding bears, Devil Canyon to Talkeetna. | |
| 11 | Caribou. | Migratory route interference. | Monitor movements, protect new calving grounds. | | Continued monitoring of movements. |
| 12 | Downstream beaver. | Reduction in slough habitat. | Operation. | Downstream habitat utilization surveys. | |
| 13 | Downstream moose. | Habitat alteration via change in plant succession, reduction in winter browse. | Habitat manipulation. | Winter surveys of downstream populations. | Identify areas appropriate for habitat manipulation. |

ALASKA RESOURCES LIBRARY
 U.S. Department of the Interior

Wildlife Mitigation
Medium Priority Issues (cont)

| <u>Issue No.</u> | <u>Wildlife Affected</u> | <u>Impact</u> | <u>Mitigation Options</u> | <u>Studies Under Consideration for 4/82 Through 6/83</u> | |
|------------------|-------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|--------------------------------|
| | | | | <u>To Quantify Impacts</u> | <u>For Mitigation Planning</u> |
| 15 | Caribou. | Wetland clearing - migration interference. | Clearing schedule, uncut travel lanes. | | |
| 17 | Furbearers, birds, and small mammals, big game except Dall sheep. | Habitat loss due to access roads, borrow areas, construction camps. | Camp design, restoration and revegetation, nest boxes. | | |
| 22 | Upper basin wildlife. | Unauthorized fires. | Worker education, fire fighting facilities. | | |
| 23 | Big game, raptors, swans. | Air traffic disturbance. | Altitudinal restrictions, seasonal restrictions. | | |

Susitna Hydroelectric Project
Wildlife Mitigation
Low Priority Issues

| <u>Issue No.</u> | <u>Wildlife Affected</u> | <u>Impact</u> | <u>Mitigation Options</u> | <u>Studies Under Consideration for 4/82 Through 6/83</u> | |
|------------------|---------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------|
| | | | | <u>To Quantify Impacts</u> | <u>For Mitigation Planning</u> |
| 1 | Mink and river otter. | Habitat loss. | Out-of-kind, stocking of reservoir. | | |
| 5 | Forest and riverine bird and small mammals. | Habitat loss. | Land set aside. | | |
| 10 | Dall sheep. | Partial inundation of mineral lick. | Monitor use, replace lick. | | |
| 14 | Upstream big game. | Disturbance from clearing operations. | Schedule of clearing operations. | | |
| 16 | Red fox, wolf, black bear, brown bear. | Illegal feeding and improper garbage disposal. | Worker education, camp design. | | |
| 18 | Upstream big game except Dall sheep. | Habitat loss from borrow areas. | Restoration and re-vegetation. | | |
| 19 | Moose and caribou. | Vehicle collision. | Worker education, road design (pullouts), temporal driving restrictions. | | |
| 21 | Red fox and wolf. | Rabies introduction, feral dog packs. | Prohibition of dogs, regulation of dogs. | | |

APPENDIX B-3

STEERING COMMITTEE CORRESPONDENCE

June 3, 1980

The Honorable Lee McAnerney
Commissioner
Department of Community and
Regional Affairs
Pouch B
Juneau, Alaska 99811

Dear Commissioner McAnerney:

The Alaska Power Authority through its consultant, Acres American Incorporated, is in the early stages of a 30-month feasibility study of the proposed Susitna Hydroelectric Project. Because of the magnitude of this study, effective interagency coordination will be best accomplished through formation of a Susitna Hydroelectric Steering Committee. The function of this committee would be to provide coordinated exchanges of information between the Alaska Power Authority and interested resource management agencies. Through this exchange, the concerns of all agencies involved would be identified early and hopefully prevent unnecessary delays in the progress of the feasibility study, application for the Federal Energy Regulatory Commission license to construct, and Environmental Impact Statement review.

As proposed, the Steering Committee would be composed of representatives of resource agencies with responsibilities pertaining to the Susitna Hydroelectric Feasibility Studies and/or the project's environmental consequences. We therefore invite your agency's participation.

The committee would provide for interagency coordination through joint review of project related materials and development of more informed and uniform positions representing all resource interests. We believe this will provide a more efficient process of information exchange.

Proposed objectives for this committee are to:

1. Review and comment on study approaches throughout each phase of the planning process;
2. Insure that the biological and related environmental studies, their timing, and technical adequacy are planned, implemented, and conducted to provide the quantitative and qualitative data necessary to:
 - (a) assess the potential impacts to fish and wildlife resources, and
 - (b) provide the basis for mitigation and compensation of resource losses which will result from the project;

87,6

3. Provide a forum for continued project review of all aspects of the studies, for a timely exchange of information, and for recommendation of study redirection, should the accomplishment of specific objectives be in jeopardy;
4. Monitor compliance of the studies with all state and federal laws, regulations, Executives Orders, and mandates as they apply to fish and wildlife resources; and
5. Provide unified agency comments from the committee to the Power Authority.

Should your agency elect to participate in the committee, we recommend that your representative have a technical background enabling him to comment on the adequacy and approach of ongoing and future feasibility studies, and be able to speak knowledgeably on the policies and procedures of your agency with respect to the review of the Federal Energy Regulatory Commission license application for the project and the subsequent Environmental Statement (ES).

The first Susitna Hydroelectric Steering Committee meeting will be held at the Alaska Power Authority, 333 West 4th Avenue, Suite 31, Anchorage, Alaska on June 12th at 9:00 AM. Attached is a sheet with a description of the agenda for this first meeting. Your attendance is encouraged.

Sincerely,

Eric P. Yould
Executive Director

Attachment:
as noted

ALASKA POWER AUTHORITY

June 3, 1980

Mr. Harry Hulsing
District Chief
Department of the Interior
U. S. Geological Survey
Water Resources Division
218 "E" Street
Anchorage, Alaska 99501

Dear Mr. Hulsing:

The Alaska Power Authority through its consultant, Acres American Incorporated, is in the early stages of a 30-month feasibility study of the proposed Susitna Hydroelectric Project. Because of the magnitude of this study, effective interagency coordination will be best accomplished through formation of a Susitna Hydroelectric Steering Committee. The function of this committee would be to provide coordinated exchanges of information between the Alaska Power Authority and interested resource management agencies. Through this exchange, the concerns of all agencies involved would be identified early and hopefully prevent unnecessary delays in the progress of the feasibility study, application for the Federal Energy Regulatory Commission license to construct, and Environmental Impact Statement review.

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87, (36)

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Sincerely,

Eric P. Yould
Executive Director

Attachment:
as noted

ALASKA POWER AUTHORITY

June 3, 1980

Colonel Lee R. Nunn
U. S. Army Corps of Engineers
Alaska District
Post Office Box 7003
Anchorage, Alaska 99510

Dear Colonel Nunn:

The Alaska Power Authority through its consultant, Acres American Incorporated, is in the early stages of a 30-month feasibility study of the proposed Susitna Hydroelectric Project. Because of the magnitude of this study, effective interagency coordination will be best accomplished through formation of a Susitna Hydroelectric Steering Committee. The function of this committee would be to provide coordinated exchanges of information between the Alaska Power Authority and interested resource management agencies. Through this exchange, the concerns of all agencies involved would be identified early and hopefully prevent unnecessary delays in the progress of the feasibility study, application for the Federal Energy Regulatory Commission license to construct, and Environmental Impact Statement review.

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87,26

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Sincerely,

Eric P. Yould
Executive Director

Attachment:
as noted

June 3, 1980

Mr. Bob Bowker
U. S. Fish and Wildlife
Service
733 West 4th Avenue
Anchorage, Alaska 99501

Dear Mr. Bowker:

The Alaska Power Authority through its consultant, Acres American Incorporated, is in the early stages of a 30-month feasibility study of the proposed Susitna Hydroelectric Project. Because of the magnitude of this study, effective interagency coordination will be best accomplished through formation of a Susitna Hydroelectric Steering Committee. The function of this committee would be to provide coordinated exchanges of information between the Alaska Power Authority and interested resource management agencies. Through this exchange, the concerns of all agencies involved would be identified early and hopefully prevent unnecessary delays in the progress of the feasibility study, application for the Federal Energy Regulatory Commission license to construct, and Environmental Impact Statement review.

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87, 27

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Sincerely,

Eric P. Yould
Executive Director

Attachment:
as noted

ALASKA POWER AUTHORITY

June 3, 1980

Mr. John Rego
Energy Specialist
Bureau of Land Management
4700 East 72nd Avenue
Anchorage, Alaska 99507

Dear Mr. Rego:

The Alaska Power Authority through its consultant, Acres American Incorporated, is in the early stages of a 30-month feasibility study of the proposed Susitna Hydroelectric Project. Because of the magnitude of this study, effective interagency coordination will be best accomplished through formation of a Susitna Hydroelectric Steering Committee. The function of this committee would be to provide coordinated exchanges of information between the Alaska Power Authority and interested resource management agencies. Through this exchange, the concerns of all agencies involved would be identified early and hopefully prevent unnecessary delays in the progress of the feasibility study, application for the Federal Energy Regulatory Commission license to construct, and Environmental Impact Statement review.

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87,25

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Sincerely,

Eric P. Yould
Executive Director

Attachment:
as noted

ALASKA POWER AUTHORITY

June 3, 1980

The Honorable Robert E. LeResche
Commissioner
Department of Natural Resources
Pouch M
Juneau, Alaska 99811

Dear Commissioner LeResche:

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87, (31)

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Sincerely,

Eric P. Yould
Executive Director

Attachment:
as noted

cc: Al Carson

Mrs. Frances A. Ulmer
June 3, 1980
Page Two

June 3, 1980

Mrs. Frances A. Ulmer
Director
Division of Policy Development
and Planning
Office of the Governor
Pouch AD
Juneau, Alaska 99811

Dear Mrs. Ulmer:

The Alaska Power Authority through its consultant, Acres American Incorporated, is in the early stages of a 30-month feasibility study of the proposed Susitna Hydroelectric Project. Because of the magnitude of this study, effective interagency coordination will be best accomplished through formation of a Susitna Hydroelectric Steering Committee. The function of this committee would be to provide coordinated exchanges of information between the Alaska Power Authority and interested resource management agencies. Through this exchange, the concerns of all agencies involved would be identified early and hopefully prevent unnecessary delays in the progress of the feasibility study, application for the Federal Energy Regulatory Commission license to construct, and Environmental Impact Statement review.

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Sincerely,

Eric P. Yould
Executive Director

Attachment:
as noted

cc: Office of Coastal Management

ALASKA POWER AUTHORITY

June 3, 1980

The Honorable Ronald O. Skoog
Commissioner
Department of Fish and Game
Support Building
Juneau, Alaska 99801

Dear Commissioner Skoog:

The Alaska Power Authority through its consultant, Acres American Incorporated, is in the early stages of a 30-month feasibility study of the proposed Susitna Hydroelectric Project. Because of the magnitude of this study, effective interagency coordination will be best accomplished through formation of a Susitna Hydroelectric Steering Committee. The function of this committee would be to provide coordinated exchanges of information between the Alaska Power Authority and interested resource management agencies. Through this exchange, the concerns of all agencies involved would be identified early and hopefully prevent unnecessary delays in the progress of the feasibility study, application for the Federal Energy Regulatory Commission license to construct, and Environmental Impact Statement review.

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Sincerely,

Eric P. Yould
Executive Director

Attachment:
as noted

cc: Tom Trent

CONCUR:

RAM R

TJM

DWB DWB

ALASKA POWER AUTHORITY

June 3, 1980

Mr. Lee A. Wyatt
Planning Director
Matanuska-Susitna Borough
Box B
Palmer, Alaska 99645

Dear Mr. Wyatt:

The Alaska Power Authority through its consultant, Acres American Incorporated, is in the early stages of a 30-month feasibility study of the proposed Susitna Hydroelectric Project. Because of the magnitude of this study, effective interagency coordination will be best accomplished through formation of a Susitna Hydroelectric Steering Committee. The function of this committee would be to provide coordinated exchanges of information between the Alaska Power Authority and interested resource management agencies. Through this exchange, the concerns of all agencies involved would be identified early and hopefully prevent unnecessary delays in the progress of the feasibility study, application for the Federal Energy Regulatory Commission license to construct, and Environmental Impact Statement review.

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Should your agency elect to participate in the committee, we recommend that your representative have a technical background enabling him to comment on the adequacy and approach of ongoing and future feasibility studies, and be able to speak knowledgeably on the policies and procedures of your agency with respect to the review of the Federal Energy Regulatory Commission license application for the project and the subsequent Environmental Statement (ES).

The first Susitna Hydroelectric Steering Committee meeting will be held at the Alaska Power Authority, 333 West 4th Avenue, Suite 31, Anchorage, Alaska on June 12th at 9:00 AM. Attached is a sheet with a description of the agenda for this first meeting. Your attendance is encouraged.

Sincerely,

Eric P. Yould
Executive Director

Attachment:
as noted

June 3, 1980

The Honorable Ernst W. Mueller
Commissioner
Department of Environmental Conservation
Pouch 0
Juneau, Alaska 99811

Dear Commissioner Mueller:

The Alaska Power Authority through its consultant, Acres American Incorporated, is in the early stages of a 30-month feasibility study of the proposed Susitna Hydroelectric Project. Because of the magnitude of this study, effective interagency coordination will be best accomplished through formation of a Susitna Hydroelectric Steering Committee. The function of this committee would be to provide coordinated exchanges of information between the Alaska Power Authority and interested resource management agencies. Through this exchange, the concerns of all agencies involved would be identified early and hopefully prevent unnecessary delays in the progress of the feasibility study, application for the Federal Energy Regulatory Commission license to construct, and Environmental Impact Statement review.

As proposed, the Steering Committee would be composed of representatives of resource agencies with responsibilities pertaining to the Susitna Hydroelectric Feasibility Studies and/or the project's environmental consequences. We therefore invite your agency's participation.

The committee would provide for interagency coordination through joint review of project related materials and development of more informed and uniform positions representing all resource interests. We believe this will provide a more efficient process of information exchange.

Proposed objectives for this committee are to:

1. Review and comment on study approaches throughout each phase of the planning process;
2. Insure that the biological and related environmental studies, their timing, and technical adequacy are planned, implemented, and conducted to provide the quantitative and qualitative data necessary to:
 - (a) assess the potential impacts to fish and wildlife resources, and
 - (b) provide the basis for mitigation and compensation of resource losses which will result from the project;

3. Provide a forum for continued project review of all aspects of the studies, for a timely exchange of information, and for recommendation of study redirection, should the accomplishment of specific objectives be in jeopardy;
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Sincerely,

Eric P. Yould
Executive Director

Attachment:
as noted

cc: Dave Sturdevant

ALASKA POWER AUTHORITY

June 3, 1980

Mr. Ronald Morris
National Marine Fishery Service
701 "C" Street
Box 43
Anchorage, Alaska 99513

Dear Mr. Morris:

The Alaska Power Authority through its consultant, Acres American Incorporated, is in the early stages of a 30-month feasibility study of the proposed Susitna Hydroelectric Project. Because of the magnitude of this study, effective interagency coordination will be best accomplished through formation of a Susitna Hydroelectric Steering Committee. The function of this committee would be to provide coordinated exchanges of information between the Alaska Power Authority and interested resource management agencies. Through this exchange, the concerns of all agencies involved would be identified early and hopefully prevent unnecessary delays in the progress of the feasibility study, application for the Federal Energy Regulatory Commission license to construct, and Environmental Impact Statement review.

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Sincerely,

Eric P. Yould
Executive Director

Attachment:
as noted

June 3, 1980

Mr. Dave Hickok, Director
Arctic Environmental Information
and Data Center
University of Alaska
707 A Street
Anchorage, Alaska 99501

Dear Mr. Hickok:

The Alaska Power Authority through its consultant, Acres American Incorporated, is in the early stages of a 30-month feasibility study of the proposed Susitna Hydroelectric Project. Because of the magnitude of this study, effective interagency coordination will be best accomplished through formation of a Susitna Hydroelectric Steering Committee. The function of this committee would be to provide coordinated exchanges of information between the Alaska Power Authority and interested resource management agencies. Through this exchange, the concerns of all agencies involved would be identified early and hopefully prevent unnecessary delays in the progress of the feasibility study, application for the Federal Energy Regulatory Commission license to construct, and Environmental Impact Statement review.

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Sincerely,

Eric P. Yould
Executive Director

Attachment:
as noted

June 4, 1980

Director
Environmental Protection Agency
U. S. Department of Energy
Alaska Operations Office
701 "C" Street
Anchorage, Alaska 99513

Dear Sir:

The Alaska Power Authority through its consultant, Acres American Incorporated, is in the early stages of a 30-month feasibility study of the proposed Susitna Hydroelectric Project. Because of the magnitude of this study, effective interagency coordination will be best accomplished through formation of a Susitna Hydroelectric Steering Committee. The function of this committee would be to provide coordinated exchanges of information between the Alaska Power Authority and interested resource management agencies. Through this exchange, the concerns of all agencies involved would be identified early and hopefully prevent unnecessary delays in the progress of the feasibility study, application for the Federal Energy Regulatory Commission license to construct, and Environmental Impact Statement review.

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June 4, 1980

Page Two

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Sincerely,

Eric P. Yould
Executive Director

Attachment:
as noted

ALASKA POWER AUTHORITY

June 4, 1980

Area Director
Heritage Conservation &
Recreation Service
Department of The Interior
1011 East Tudor Road
Anchorage, Alaska 99507

Dear Sir:

The Alaska Power Authority through its consultant, Acres American Incorporated, is in the early stages of a 30-month feasibility study of the proposed Susitna Hydroelectric Project. Because of the magnitude of this study, effective interagency coordination will be best accomplished through formation of a Susitna Hydroelectric Steering Committee. The function of this committee would be to provide coordinated exchanges of information between the Alaska Power Authority and interested resource management agencies. Through this exchange, the concerns of all agencies involved would be identified early and hopefully prevent unnecessary delays in the progress of the feasibility study, application for the Federal Energy Regulatory Commission license to construct, and Environmental Impact Statement review.

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Sincerely,

Eric P. Yould
Executive Director

Attachment:
as noted



DEPARTMENT OF THE ARMY
ALASKA DISTRICT, CORPS OF ENGINEERS
P.O. BOX 7002
ANCHORAGE, ALASKA 99510

REPLY TO
ATTENTION OF:

NPADE

12 JUN 1980

RECEIVED

JUN 16 1980

ALASKA POWER AUTHORITY

Eric Yould, Executive Director
Alaska Power Authority
333 W. 4th Ave., Suite 31
Anchorage, Alaska 99501

Dear Mr. Yould:

I refer to your invitation to participate in the Susitna Hydroelectric Steering Committee expressed in your 3 June 1980 letter. At the present time we are unable to participate in the committee due to severe funding and personpower constraints. I envision that the committee, to properly perform its objective, will in fact have to delve in detail into many complex engineering and environmental concerns. This would require a considerable effort of a senior staff member with possible advisory action by others in the District.

Should funds and personpower become available at a later time we will reconsider your kind offer. However, we will continue to provide the necessary reviews required for the issuance of permits under our regulatory program.

If I can be of any further assistance, please do not hesitate to contact me directly. If further details are desired by your staff, Mr. Harlan Moore, Chief, Engineering Division, can be contacted at 752-5135.

Sincerely,

JAMES P. FERRO
Lt Colonel, Corps of Engineers
Acting District Engineer

ALASKA POWER AUTHORITY

SUSITNA HYDRO STEERING COMMITTEE MEETING

TIME: 9:00 AM

DATE: June 12, 1980

PLACE: Alaska Power Authority
333 West 4th Avenue, Suite 31
Anchorage, Alaska 99501

AGENDA:

1. A discussion and outlining of the purpose and objectives of the Susitna Hydro Steering Committee.
2. A review by Acres American of the procedural aspects of the FERC license application, the ES review processes, and their perspectives on the procedural mileposts for this project.
3. A discussion of the proposed FERC license application and ES review process by the Steering Committee and an assessment of the agencies views and mandates to review and comment upon the proposed project.
4. A review of the Susitna Hydro feasibility tasks by Acres American with discussion of FERC's possible requirements for study, technical standards, and land or environmental study subjects which must be emphasized.
5. A discussion by the Steering Committee of the cross study task or interdisciplinary aspects of the Susitna Hydro feasibility studies.
6. Steering Committee discussion of a proposed agenda for the July meeting involving representatives of FERC.

Susitna Hydro Steering Committee Meeting

June 12, 1980

| <u>Name</u> | <u>Affiliation</u> |
|-------------------|----------------------------------------|
| BRENT PETRIE | ALASKA DNR |
| Thomas Trend | Alaska Dept. Fish + Game |
| Dave Sturdevant | ADEC |
| John Hayden | ACRES |
| Bob Lamke | U.S. Geol. Survey WRO |
| Bill Wilson | AEIOE, Univ. of Alaska |
| Bill Wrench | HCBS |
| PAT Beckley | BLM |
| Don McKay | USFWS |
| Jeffrey Barnes | TES |
| Gary Stackhouse | USFWS |
| Ellen Fowler | ADEC |
| MARY LU HARLE | ADMIR |
| Gene Shong | ADIR |
| Floyd Hemmick | Co. of Ext. Agriculture |
| James D. Gill | Acad. American |
| Frank L. Thompson | Acad. American |
| John Wilkins | Fairbanks Environmental Center |
| Bob Kroeser | TES |
| Rego John | BLM Susitna Coordinator |
| Heine W. Norman | Division of Energy & Power Development |

June 13, 1980

Mr. Ron Corso
Federal Energy Regulatory Commission
400 1st Street, N.W.
Washington, D. C. 20427

Dear Mr. Corso:

Pursuant to previous discussion with Mr. Quinton Edson, we request FERC presence in Anchorage to discuss various licensing aspects of the Susitna Hydroelectric Project. This visit could be in conjunction with your staff's plans for visiting the Tyee Lake site.

The need for the meeting is evidenced by the strong urging for such a session by the state and federal agencies who have an interest in the project. It is the consensus of all involved that a face-to-face meeting with FERC is needed at this early stage of the study process to insure that proper work effort is planned especially in the environmental and fisheries programs. The meeting will constitute the second convening of the Susitna Interagency Steering Committee. Acres American will be represented and prepared to discuss the fisheries and in-stream flow study programs in detail. In our opinion, the timing for a meeting with your staff is ideal.

We would like to plan on a two-day session either before or after your staff's visit to Tyee Lake. We await your response and recommended meeting dates. We will adjust to your schedule.

Thank you for your continued assistance in guiding us at this early but critical stage of project planning.

Sincerely,

FOR THE EXECUTIVE DIRECTOR

Robert A. Mohn
Director of Engineering

cc: John Lawrence

Concur:

EPY _____
TJM ✓

STATE OF ALASKA

OFFICE OF THE GOVERNOR

DIVISION OF POLICY DEVELOPMENT AND PLANNING

JAY S. HAMMOND, Governor

POUCH AD
JUNEAU, ALASKA 99811
PHONE: 465-3512

June 17, 1980

Mr. Eric P. Yould
Executive Director
Alaska Power Authority
333 West 4th Avenue, Suite 31
Anchorage, Alaska 99501

R
RECEIVED

Jlm JUN 20 1980

ALASKA POWER AUTHORITY

Dear Mr. Yould:

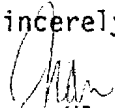
Thank you for the notification regarding the formation of a Susitna Hydroelectric Steering Committee. As you know Division of Policy Development and Planning (DPDP) has an interest in the many facets and implications of a project like the proposed Susitna Hydroelectric Project. I appreciate the opportunity to be involved with the resource management concerns through participation on the Steering Committee.

As the Office of Coastal Management (OCM) has the most direct resource management responsibilities within DPDP, I am requesting OCM be this agency's representative on the Steering Committee.

I believe OCM will be able to keep you informed about the coastal management consistency process and how it might effect the Susitna Project. Murray Walsh, Coordinator of OCM and Bill Ross, Deputy Coordinator, will be the contact persons for OCM/DPDP. As telephoned to your office on June 10, 1980, no one was able to attend the first meeting of the Steering Committee but I ask that you keep OCM informed of any subsequent meetings.

Thank you for your invitation to DPDP to be a member of the Steering Committee.

Sincerely,


Fran Ulmer
Director

cc: Murray Walsh, OCM

July 7, 1980

Mr. Lee A. Wyatt
Planning Director
Matanuska-Susitna Borough
Box B
Palmer, Alaska 99645

Dear Mr. Wyatt:

The Alaska Power Authority, acting on behalf of the resource management agencies, would like to inform you of the second Susitna Hydro Steering Committee meeting. At the request of the various agencies, we have made arrangements for representatives of the Federal Energy Regulatory Commission to be present at the meeting in order to answer technical questions. The subject of the first day of this two day session will consist of a discussion of the general technical aspects of the FERC and state licensing process whereas the second day will specifically address the Susitna fisheries and in-stream flow studies programs.

In addition to the above topics, an election of a committee chairman will take place (please be thinking of prospective candidates for nomination), and the guidelines for the committee's organization will be established.

The first days session of the second Susitna Hydro Steering Committee meeting will be held at the ACC Lucy Cuddy Center on July 17th at 8:00 a.m. The second day's session will be held at the Federal Building, Room C-105 on July 18th at 8:30 a.m. Attached is a sheet with a description of the meeting agenda. Your participation is encouraged.

Sincerely,

Eric P. Yould
Executive Director

Attachment

Concur:

EPY ✓
TJM ✓
RAM P

Additional identical letters sent to the following people (see attached list):

ALASKA POWER AUTHORITY

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

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

July 7, 1980

Mr. Ronald Morris
National Marine Fishery Service
701 "C" Street
Anchorage, Alaska 99513

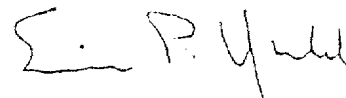
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Sincerely,



Eric P. Yould
Executive Director

Attachment

July 8, 1980

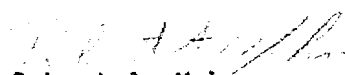
Mr. Ron Corso
Federal Energy
Regulatory Commission
400 1st Street, N.W.
Washington, D.C. 20427

Dear Mr. Corso:

To follow up on the discussions which have transpired over the last few weeks between members of your staff, Acres American Incorporated, and the Alaska Power Authority, we have attached a copy of the agenda for the July 17th and 18th meeting of the Susitna Hydro Steering Committee. It is our understanding that Mark Robinson and Dean Shumway of your staff will be available for this meeting, and will be able to discuss those aspects of the licensing process that relate to their area of expertise. They need not attend the 8:00 a.m. to 9:30 a.m. session on the first day and need not stay for the full duration of the second day. We understand that Acres is arranging a field trip to the Susitna River for them on July 16th.

We hope that the attached agenda meets with your approval and look forward to seeing Mark and Dean in Anchorage later this month.

Sincerely,


Robert A. Mohn
Director of Engineering

Attachment

Concur

EPW

TJM ☒

ALASKA POWER AUTHORITY

MEMO TO: John Lawrence
Project Manager
Acres American Incorporated
The Liberty Bank Building
Main at Court
Buffalo, New York 14202

DATE: July 8, 1980

FROM: Donald W. Baxter, P.E.
Project Engineer
Alaska Power Authority
333 West 4th Avenue, Suite 71
Anchorage, Alaska 99501

SUBJECT: Susitna Hydro
Steering Committee

John,

Attached for your information is a copy of a letter sent to Mr. Ronald Morris of the National Marine Fisheries Service announcing the second Susitna Hydro Steering Committee meeting. Identical letters were sent to the following agencies:

- U.S. Fish & Wildlife Service, (Bob Bowker)
- Department of Fish & Game (The Honorable Ronald O. Skoog, Commissioner)
- Bureau of Land Management, (John Rego, Energy Specialist)
- U.S. Geological Survey, (Harry Hulsing, District Chief)
- U.S. Heritage Conservation & Recreation Services, (Bill Welch)
- Corps of Engineers, (Colonel Lee R. Nunn)
- Environmental Protection Agency, (Director)
- Department of Natural Resources, (The Honorable Robert E. LeResche, Commissioner)
- Department of Environmental Conservation, (The Honorable Ernst W. Mueller, Commissioner)
- Office of Costal Management, DPDP, (Murray Walsh, Coordinator)
- Department of Community and Regional Affairs, (The Honorable Lee McAnerney, Commissioner)
- University of Alaska/Arctic Environmental Information and Data Center, (Dave Hickok, Director)
- Matanuska Susitna Borough, (Lee Wyatt, Planning Director)
- Division of Economic Enterprise, (Dick Eakins, Director)

This entire effort has been coordinated with members of your staff, the FERC, and us. The public has been invited to attend the first day's session and a copy of the associated newspaper advertisement is also attached.

ALASKA POWER AUTHORITY

We feel optimistic that as a result of this meeting many of the questions that have arisen among the various resource management agencies will be answered. Hopefully a clearer definition of the course of action to be taken with respect to the in-stream flow studies program will also be obtained.

cc:

Jim Gill
John Hayden
Kevin Young

ALASKA POWER AUTHORITY

SUSITNA HYDRO STEERING COMMITTEE MEETING

1st Day

Date: July 17, 1980
Time: 8:00 a.m.
Place: ACC Lucy Cuddy Center

2nd Day

Date: July 18, 1980
Time: 8:30 a.m.
Place: Federal Building, Room C-105

AGENDA

1st Day Topics

8:00 a.m. - 9:30 a.m.

- Election of a committee chairman
- Discussion of the committee's organization
- Any other items of concern

9:30 a.m. - 5:00 p.m.

- General technical overview of FERC licensing process
- Discussion of general technical license requirements for hydroelectric projects (both FERC and State)
- Discussion of Susitna specific technical license requirements (both FERC and State)

2nd Day Topics

8:30 a.m. - 5:00 p.m.

- Potential changes in Susitna River hydrology due to hydroelectric development
- Details of hydrology - water quality monitoring program
- Details of the ADF&G fisheries program
- Development of fisheries impact predictions and mitigation plan
- Modifications incorporated into the study program in order to accommodate the in-stream flow studies
- Discussion of details on in-stream flow studies

SUSITNA HYDRO STEERING COMMITTEE MEETING

July 17th & 18th, 1980

PERSONS NOTIFIED OF THE MEETING

| | | |
|-----------------|---------------------------------------------------------|----------|
| Al Carson | Department of Natural Resources | 279-5577 |
| Bob Lamke | U.S.G.S. - W.R.D. | 271-4138 |
| Bill Wilson | AEIDC-University of Alaska | 279-4523 |
| Bill Welch | Heritage Conservation & Rec. | 277-1666 |
| Pat Beckley | BLM | 344-9661 |
| John Rego | BLM | 344-9661 |
| Bob Bowker | U.S. Fish & Wildlife | 271-4575 |
| Rickki Fowler | Environmental Conservation | 274-5527 |
| Gary Stackhouse | U.S. Fish & Wildlife Service | 276-3800 |
| Lee Wyatt | Mat-Su Borough | 745-4801 |
| Jim Sweeney | Environmental Protection Agency (US) | 271-5083 |
| Heinz Noonan | Energy & Power Development | 276-0508 |
| Dave Sturdevant | Environmental Conservation | 465-2636 |
| Dick Eakins | Div. of Economic Enterprise (send twix via 277-1936) | 465-2018 |
| Murray Walsh | Office of Coastal Management | 465-3540 |
| Larry Kimball | Comm. & Reg. Affairs (Div. of Comm. Planning) | 279-8636 |

Key Contact

List

2/17/80

AgencyKey ContactPhoneAddressU.S. Geological Survey
Water Resources

Bob Lamke

271-4138

733 W. 4th Ave.
AnchorageArctic Environmental
Information and Data
Center (U of AK)Bill Wilson or
Chuck Evans

279-4523

707 A St. Anchorage 99501

U.S. Fish & Wildlife
Service

Don McKay

271-4575

733 W. 4th, Suite 101
Anchorage 99501Dept. Environmental
Conservation

Dave Sturdevant 465-2636

Pouch O

Rikki Fowler 274-5527
(Southcentral Regional Office)Juneau, AK 99811
McKay Bldg.
338 Denali St., AnchorageAlaska Dept. of
Fish and Game

Tom Treat

344-0541

333 Raspberry Rd
Anchorage, AK. 99502Ak Dept. of
Natural
Resources

Al Carson

279-5577

323 E 4th Ave.
Anchorage, AK. 99501Arctic Conservation
& Information ServiceLenny Wright
(Bill Adams)

271-1666

1011 E. Tudor
Anchorage 99501Bureau of Land Management
Anchorage District Office
4700 E 72nd Ave
Anchorage AK 99502John Rego
344-9661 x326

National Marine Fisheries Service

701 C St. Box 43
Anchorage AK 99513BRAD SMITH
- RON MORRIS -

271-5006

FWS District Office

SUSANNA TOWERS
P.O. Box 981

Anchorage, AK 99510

(SEE OTHER
SIDE)

AGENCY

ACRES AMERICAN, INC.

KEY CONTACT

JOHN D. LAWRENCE,
PROJECT DIRECTOR

ADDRESS AND PHONE

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BUFFALO, NY
(716) 853-7525

7/17/80

Name

Affiliation.

Phone no

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USGS - WFO

Chuck Evans

AEIDC - U of A

Don McKay

USFWS

Tom Trent

AOF+G

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BRAD SMITH

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Nancy Cliff

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Nancy Black

AK Power Authority

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Loran Baxter

Corps of Engineers

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L. E. DISCHNER
HEINZ W. NOONANSUSANNA TROTT
Dept. of Commerce, Division of Energy & Power Development

276-7744

276-0508

2202

ALASKA POWER AUTHORITY

SUSITNA HYDRO STEERING COMMITTEE MEETING

2nd Day

Date: July 18, 1980
Time: 8:30 AM
Place: Federal Building, Room C-105

AGENDA

2nd Day Topics

8:30 a.m. - 5:00 p.m.

- Potential changes in Susitna River hydrology due to hydroelectric development
- Details of hydrology - water quality monitoring program
- Details of the ADF&G fisheries program
- Development of fisheries impact predictions and mitigation plan
- Modifications incorporated into the study program in order to accomodate the in-stream flow studies
- Discussion of details on in-stream flow studies

Susuna Hydro Steering Committee

7/18/80

| <u>Name</u> | <u>Affiliation</u> |
|--------------------|------------------------------------|
| Don Baxter | APA |
| Norm Young | AAI |
| Robert W. Williams | TES |
| Milo Bill | TES |
| Brent T. Drage | R&AZ |
| Dean L. Shumway | FERC |
| J. Mark Robinson | FERC |
| Peter S. Foote | FERC |
| Al Carson | ONR |
| Tom Trent | ADFG |
| Mary Lu Harle | ADNR |
| Jeffrey Barnes | TES |
| (VINCE) LUCID | TES |
| Dave Sturdevant | |
| Bob KROGSENG | TES |
| James D. Gill | AAI |
| ELE LISCHNER | SPX |
| Bob Gamke | USGS |
| Don Murray | USFWS |
| BRAD SMITH | NMFS |
| ROBERT MOHN | APA |
| Gary S. FRAHOUSE | USFWS |
| Heinz W. Noonan | Div. of Energy & Power Development |

U.S. ENVIRONMENTAL PROTECTION AGENCY



ALASKA OPERATIONS OFFICE
Room E535, Federal Building
701 C Street
Anchorage, Alaska 99501

16 JUL 1980

REPLY TO
ATTN OF:

RECEIVED
JUL 17 1980 R
ALASKA POWER AUTHORITY

Mr. Eric P. Yould
Executive Director
Alaska Power Authority
333 West 4th Avenue, Suite 31
Anchorage, Alaska 99501

Dear Mr. Yould:

The Alaska Operations Office has scheduled a retreat with the Alaska, Department of Environmental Conservation staff and will be unable to have an individual from our staff attend the Susitna Hydro Steering Committee meeting. We are very interested in the project and sorry we are unable to attend.

Please notify our office of the next scheduled meeting and send, if available, the minutes of the July 17 and 18 sessions.

Sincerely,

A handwritten signature in dark ink, appearing to read "W. James Sweeney".

W. James Sweeney
Director

July 28, 1980

Mr. W. James Sweeney, Director
U.S. Environmental Protection
Agency
Room E535, Federal Building
701 "C" Street
Anchorage, Alaska 99501

Dear Mr. Sweeney:

Thank you for your letter regarding the Susitna Hydro Steering Committee meeting of July 17 and 18. I am sorry to hear you were unable to attend as it was a very informative meeting. The Steering Committee has, as a result of the meeting, evolved into an organization independent of the Power Authority and acting in a review and advisory capacity to the Power Authority. It is now run wholly by the various State and Federal agencies. Al Carson of the Alaska Department of Natural Resources has taken the responsibility of chairman for the committee and Tom Trent of the Alaska Department of Fish and Game is acting as his assistant. I will see to it that your agency is retained on the mailing list for the committee. Unfortunately, no meeting minutes were taken although a tape recording is available at the Power Authority.

I appreciate your continued interest in the committee and encourage your participation at future meetings.

Sincerely,

Eric P. Yould
Executive Director

August 21, 1980
P5700.11
T.375

RECEIVED

AUG 25 1980

Alaska Power Authority
333 West 4th Avenue
Suite 31
Anchorage, Alaska 99503

ALASKA POWER AUTHORITY

Attention: Eric Yould

Dear Eric:

Susitna Hydroelectric Project
Distribution of TES Procedures
Manuals

Enclosed please find copies of the TES Procedure Manuals as requested by yourselves and the Susitna Steering Committee. A distribution list is attached.

Since Mr. Al Carson, Chairman of the Steering Committee is out of town until August 27, the distribution list for the committee is based on the key contact list as supplied by Don Baxter on July 18, 1980. Please advise if any changes are made in distribution.

Sincerely,

J. D. Lawrence
Project Manager

KY:pg

Enclosures

ALASKA POWER AUTHORITY

234

DISTRIBUTION:

Copies of all procedure manuals to:

APA - E. Yould, R. Mohn

USF&W - Don McKay

DEC - Dave Sturdevant

ADF&G - Tom Trent

ADNR - Al Carson

BLM - John Rego

AEIDC - Chuck Evans

Copies of Fisheries Manual:

NMFS - Brad Smith

Copies of Manuals for Subtasks 7.05, 7.06, 7.07 & 7.08:

HCRS - Larry Wright

MEMORANDUM

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RESEARCH & DEVELOPMENT

State of Alaska

TO: SUSITNA HYDRO ELECTRIC
STEERING COMMITTEE MEMBERS
(See Distribution List)


DATE: September 4, 1980

FILE NO:

TELEPHONE NO:

279-5577

FROM:


AL CARSON
Steering Committee Chairman

RECEIVED SUBJECT:

Summary of 7/17
and 18 Meetings
and Review of
Procedures Manuals

ALASKA POWER AUTHORITY

The purpose of this letter is two-fold:

1. To summarize the major points discussed in the July 17 & 18 meeting of the Susitna Hydro Electric Steering Committee.
2. To transmit to you copies of the Acres American contractor's field manuals which describe in detail how they will conduct studies during the 1980 and 1981 field season.

The first item of business on July 17 was discussions and decisions leading to the appointment of a chairman. Those in attendance agreed that Al Carson, Department of Natural Resources, would serve as chairman of the Steering Committee with Tom Trent, Department of Fish and Game, serving as Assistant Chairman. There were two representatives from the Federal Energy Regulatory Commission (FERC), Mr. Dean Shumway and Mark Robinson. A considerable amount of time was spent by Messrs. Shumway and Robertson explaining the role of FERC in the proposed Susitna Hydro Electric Project. The rest of the morning meeting was devoted to contractor briefings about the studies included under Task VII (environmental studies) for the Susitna plan of study. Two significant items were identified by this review. First, it was obvious from the comments from the agency representatives, contractors, and subcontractors present that the agencies were unable to provide a detailed critique of the plan of study. This is because the widely circulated plan of study did not have adequate detail regarding methodology, approach, or scope of the proposed studies to enable the reviewer to make reasoned or useful comments on these matters. Acres American and their subcontractors stated that this level of detail would be found in their yet to be published field manuals which describe in detail the work that the contractors will be doing in the 1980 and 1981 field seasons. The Steering Committee members will be provided with copies of these field manuals for their review when they are available. The significance of this is that the studies that are being accomplished under the Susitna plan of study for the field year of 1980 are being carried out without benefit of review, comments, or approval by the various state and federal agencies. Second, was a concern regarding how the socio-economic studies being conducted under the Susitna plan of study related to the fish

and game impact concerns identified by agency representatives. It was agreed that the Steering Committee will meet with the socio economic consultants to learn how these studies relate.

The meeting on July 18 was devoted exclusively to reviewing in detail and discussing the studies that are necessary in the FERC filing concerning fisheries, hydrology, and instream flow. The most significant issue which appeared from these discussions was the need to insure that mitigation for fish, wildlife and other environmental values are integrated into the project designs, etc. rather than being an add-on or appendage at a later date.

The second purpose of this letter concerns review of the field manuals. Accompanying to this letter you will find copies of the field manuals to be used by the Acres American subcontractors for carrying out various studies as discussed in a general way within the Susitna plan of study documents. Please carefully review these manuals giving proper emphasis to those studies which are included within your field of expertise and your agency's authority and responsibility. The intent is to have all the Steering Committee members review these manuals and forward your review comments to me. I will then synthesize these comments into a draft letter from the Steering Committee to APA. Then we will meet to review and finalize the letter. For the sake of convenience and saving time in synthesizing comments, please place your comments and concerns within the appropriate framework as discussed here: The review of the field manuals is intended to detail problems or concerns within the following six areas:

1. What is the appropriateness and utility of the studies, i.e., do the studies attempt to answer the questions that need answering in light of the proposed Susitna Dam?
2. The scope of the studies, i.e., is the methodology approach and techniques properly formulated to provide valid and germane answer(s) which will apply directly to the proposed Susitna Dam?
3. The study approach and methodology, i.e., does the approach and methodology discussed in the manuals result in findings and recommendations which are or will be scientifically valid?
4. How do the subtasks of the studies "hang together" to give a comprehensive picture of the impact of the project?
5. How do the various disciplines (e.g., fisheries, seismology, engineering, recreation) study findings and recommendations affect the other disciplines? The answer to this question will identify the hierarchy of values that will be attached to various components of the project when the "trade offs" decisions are made.

6. What other issues and concerns did you discover while reviewing these manuals that need the attention of the Steering Committee?

Please provide me your written review comments no later than close of business, Friday, September 26, 1980. If you have questions, comments or revisions on the matters discussed in this letter, please contact me at 279-5577.

cc: E. Yould, APA

Distribution List

Don McKay
U. S. Fish and Wildlife Service
733 W. 4th, Suite 101
Anchorage, AK 99501

Tom Trent
Alaska Dept. of Fish and Game
333 Raspberry Road
Anchorage, AK 99502

Al Carson
Alaska Dept. of Natural Resources
323 E. 4th Avenue
Anchorage, AK 99501

John Rego
Bureau of Land Management
Anchorage District Office
4700 E. 72nd Avenue
Anchorage, AK 99502

Bob Lamke
U.S. Geological Survey
Water Resources
733 West 4th Avenue, Suite 400
Anchorage, AK 99501

Bill Wilson or Chuck Evans
Arctic Environmental Information
and Data Center (U of AK)
707 "A" Street
Anchorage, AK 99501

Dave Sturdevant
Department of Environmental Conservation
Pouch "O"
Juneau, AK 99811

Larry Wright or Bill Welch
Heritage Conservation and Recreation Service
1011 East Tudor Road, Suite 297
Anchorage, AK 99503

Brad Smith or Ron Morris
National Marine Fisheries Service
701 "C" Street, Box 43
Anchorage, AK 99513

ALASKA POWER AUTHORITY

September 3, 1980

Susitna Hydro Steering Committee
c/o Al Carson
Alaska Department of Natural Resources
323 East 4th Avenue
Anchorage, Alaska 99501

Dear Al:

Last week we forwarded to you for distribution to the Susitna Hydro Steering Committee, copies of the environmental procedures manuals applicable to POS Task 7, as prepared by Terrestrial Environmental Specialists, Inc. (TES). These manuals should answer many of the questions relating to the details of our Plan of Study. We would appreciate it if your committee would review and comment on these manuals at its earliest convenience. We will then prepare written responses to any comments received. If in following this process there are still outstanding questions that require detailed technical responses, we will be pleased to have the appropriate principal investigators make a presentation to your committee.

T.E.S. wishes to maintain positive control over these manuals, and we would like to facilitate that wish. The attached forms might be useful to you towards that goal.

Trusting this procedure meets with your approval.

Sincerely,

FOR THE EXECUTIVE DIRECTOR

Robert A. Mohn
Director of Engineering

cc: J. Lawrence
J. Gill

Enclosures: As stated

DW:et

CONCUR:

EPY: EPY

TJM: ✓

DW:

ALASKA POWER AUTHORITY
RECORD OF RECEIPT OF
ENVIRONMENTAL PROCEDURE MANUALS

COPIES ASSIGNED TO _____

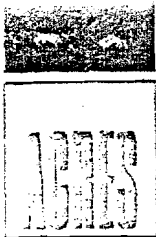
| <u>SUBTASK</u> | <u>TITLE</u> | <u>COPY #</u> |
|----------------|-----------------------------------------------------------------------|---------------|
| 7.05 | Socioeconomic Analysis | |
| 7.06 | Cultural Resources Investigation | |
| 7.07 | Land Use Analysis | |
| 7.08 | Recreation Planning | |
| 7.10 | Fish Ecology - Impact Assessment and Mitigation ... | |
| 7.11 | Wildlife Ecology - Furbearers | |
| 7.11 | Wildlife Ecology - Big Game Impact Assessment and Mitigation | |
| 7.11 | Wildlife Ecology - Birds and Non-Game Mammals | |
| 7.12 | Plant Ecology | |
| 7.14 | Access Road Analysis | |

SUSITNA STEERING COMMITTEE

Record Of Distribution Of
Environmental Procedure Manuals

| SK | TITLE | COPY # | RECIPIENT | SUB-TASK | TITLE | COPY # | RECIPIENT |
|----|--------------------------------------------------------|--------|-----------|----------|-----------------------------------------------------------------------|--------|-----------|
| 05 | SOCIO-ECONOMIC ANALYSIS | 10 | | 7.11 | WILDLIFE ECOLOGY - FURBEARERS | 11 | |
| | | 12 | | | | 12 | |
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| | | 22 | | | | 22 | |
| 06 | CULTURAL RESOURCES INVESTIGATIONS | 9 | | 7.11 | WILDLIFE ECOLOGY - BIG GAME IMPACT ASSESSMENT AND MITIGATION PLANNING | 9 | |
| | | 10 | | | | 10 | |
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| | | 19 | | | | 19 | |
| 07 | LAND USE ANALYSIS | 10 | | 7.11 | WILDLIFE ECOLOGY - BIRDS AND NON-GAME MAMMALS | 11 | |
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| 08 | RECREATION PLANNING | 10 | | 7.12 | PLANT ECOLOGY | 13 | |
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| | | 22 | | | | 24 | |
| 10 | FISH ECOLOGY IMPACT ASSESSMENT AND MITIGATION PLANNING | 11 | | 7.14 | ACCESS ROAD ANALYSIS | 15 | |
| | | 12 | | | | 16 | |
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COPY 20 OF ALL MANUALS RETAINED BY A.P.A.



RECEIVED

October 23, 1980

OCT 30 1980

ALASKA POWER AUTHORITY

Susitna Hydroelectric Project
Meeting with Susitna Hydroelectric
Steering Committee

Dear Member of the Susitna Steering Committee:

A meeting has been arranged for the afternoon of November 5, 1980 where we will have an opportunity to discuss some of the preliminary aspects of our planning studies. To promote as productive a meeting as possible, I have enclosed information we have developed to date. As this information is in a preliminary form I expect that some inconsistency exists. However, I feel your input can be best utilized at this early stage when concerns and recommendations can be easily incorporated.

I encourage your constructive criticism and would appreciate it if you would jot your ideas down on the enclosed forms prior to our meeting.

I look forward to seeing you on November 5.

Sincerely,

Kevin Young
Environmental Coordinator

ALASKA RESOURCES LIBRARY
U.S. Department of the Interior

ACRES AMERICAN INCORPORATED

Consulting Engineers

The Liberty Bank Building, Main at Court

Buffalo, New York 14202

Telephone 716-853-7525

Telex 91-6423 ACRES BUF

STATE OF ALASKA

JAY S. HAMMOND, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF RESEARCH & DEVELOPMENT

323 E. 4TH AVENUE
ANCHORAGE, ALASKA 99501

279-5577

November 21, 1980

Eric Yould
Executive Director
Alaska Power Authority
333 W. 4th Avenue, Suite 31
Anchorage, AK 99501

RECEIVED

NOV 24 1980

ALASKA POWER AUTHORITY

Dear Mr. Yould:

The purpose of this letter is to provide you with the Susitna Hydro Steering Committee review comments regarding the procedures manuals which describe the Task 7 studies being done under the contract between APA and Acres American. As you know the Susitna Hydro Steering Committee is composed of representatives from state and federal agencies and the University of Alaska. Function of this committee is to provide coordinated exchanges of information between APA and the interested resource management agencies.

The Steering Committee met with representatives from Acres American and its subcontractors on July 17 and 18, 1980. The purpose of this meeting was to review the environmental studies portion of the contract with Acres American and their subcontractors. It soon became apparent that the subcontractors were unable to provide the Steering Committee members with an adequate level of detail concerning the scope and methodology which would be used to carry these studies out. The Acres American representative stated that the level of detail that we were looking for would be found in their yet to be published procedures manuals. We agreed that it would be appropriate for Acres American to provide copies of these procedures manuals to members of the Steering Committee for their review and comments. The following procedures manuals were provided by Acres American for our review:

Subtask 7.05 Socioeconomic Analysis

Subtask 7.06 Cultural Resources Investigation

Subtask 7.07 Land Use Analysis

Subtask 7.08 Recreation Planning

Subtask 7.10 Fish Ecology Impact Assessment and Mitigation Planning

Subtask 7.11 Wildlife Ecology (Big Game Impact Assessment and Mitigation Planning, Fur Bearers, and Birds and Non-Game Mammals)

Subtask 7.12 Plant Ecology

Subtask 7.14 Access Road Analysis

The following agencies were provided copies of the procedures manuals and have responded with review comments: Alaska Department of Environmental Conservation, Alaska Department of Fish and Game, Alaska Department of Natural Resources, U.S. Geological Survey, National Marine Fishery Service, Heritage Conservation and Recreation Service, U.S. Fish and Wildlife Service, and the Arctic Environmental Information and Data Center. The following is a synthesis of the comments from these agencies. Appended to this letter are copies of the written comments which were received from those agencies identified above.

SUBTASK 7.05 SOCIOECONOMIC ANALYSIS

Review of the procedures manuals indicates that this study may not address the indirect but highly significant impact of construction and operation of the project on residents living in the region. The boom that occurred during the construction of the Trans-Alaska Oil Pipeline (TAPS) gives us an insight into the sorts of impacts that may be expected. For example, traffic congestion, strip development of small communities, stores out of necessary goods and materials because of accelerated demand by construction. In order that the socioeconomic impact studies may be more comprehensive and address these sorts of impacts we make the following seven recommendations:

1. Local and regional recreational facilities and opportunities should be assessed to determine the ability of those facilities to handle additional users in light of increased demand.
2. The study should address the probability of additional industrialization of the region as a result of power from the project. Then the study needs to assess the impacts and socioeconomic implications of industrialization scenarios that would be driven by this project.
3. The study should address the cost and availability of products and services. This should also address the inflationary impacts that are usually associated with a boom type cyclical expansion such as construction of a project of this magnitude may cause.
4. The study should address the cultural opportunities and how they may be affected in both positive and negative ways by the proposed project.

5. The study needs to address the implications of the project on a composition of the people who live in the region. An obvious first step would be to establish baseline survey data in the preconstruction era so that we know what the population composition is in this area before construction begins.
6. An assessment of the changes in the sociopolitical structure of the region that could be expected result from the change in the economy as a result of construction an operation and subsequent developments that would be driven by this project.
7. The analysis does not address the impacts of the project on users of fish and wildlife resources. I refer you here specifically to memos included in the Department of Fish and Game review submittal which indicate that Acres and others deemed it inappropriate for the Department of Fish and Game to carry these studies out. However, in our review of all the studies identified above we find that neither Acres American nor any of other of the sub-contractors have included this important issue in their plan of work. The scope of the analysis does not include any work designed to mitigate the project impacts on fish and wildlife.

SUBTASK 7.06 CULTURAL RESOURCES INVESTIGATION

Although this study was not formatted or laid out in a way similar to the others the review comments indicate that the approach in the scope and methodology proposed is appropriate and sufficient for the task at hand.

SUBTASK 7.07 LAND USE ANALYSIS

The following comments were made:

1. The scope of the land use analysis needs to be expanded so that the downstream impacts all the way to salt water are adequately addressed. As an example of a downstream impact which is not included but needs to be addressed is the issue of navigability on the Susitna River below the proposed dam.
2. There is no apparent linkage or coordination between the land use analysis and the socioeconomic and recreational studies.
3. APA should seriously reconsider the decision that has been made to delay future land use analysis. The contractors state that data from other disciplines may be needed to "fine tune" this study. However, we can assume most of these values or issues and get on with one of the most critical studies that could provide data to be used in making the decision as to whether Susitna should be built or not. It is recommended that APA consider the use of scenarios to describe future land use with and without the project.

A recommended way to begin addressing downstream impacts is to become informed about the work currently being done in this area by local, state, and federal agencies. This will help to eliminate any duplication of work. Once APA is aware of what studies agencies have done the APA contractors can be tasked to synthesize the existing studies and complete only additional studies needed to complete the scenarios.

SUBTASK 7.08 RECREATION PLANNING

1. Scope of the recreation planning appears to be incomplete. The total thrust of the study appears to focus on recreational opportunities in the impoundment area with the obvious underlying assumption that Susitna Dam will be built. What is absent is any sort of assessment of the proposed project impacts on existing recreation navigation and land use in the river valley above, within, and below the proposed project. There is no question that we have to carefully plan for reservoir recreation development assuming there is a project. It is also obvious that the compelling need that needs to be met today is a valid and accurate determination of existing recreational values so that this decision can be factored into the ultimate decision as to whether Susitna should be built or not. An equally important result would be identification of those values for mitigation which will be required if the project is built.
2. This study needs to include a documentation of the flowing water resources and uses that would be impacted by the project.
3. This study needs to document the existing upstream uses of Susitna.

SUBTASK 7.10 FISH ECOLOGY IMPACT ASSESSMENT AND MITIGATION PLANNING

1. It is acknowledged that none of the reviewers had a comprehensive picture of how this task will be carried out. The reason is the Department of Fish and Game will be actually doing much of this work as a subcontractor to Acres American and has not had the staff or the resources necessary to put together its procedures manual for this facet of the work. The comments given below should be qualified with acknowledgement of this fact.
2. The contractors need to broaden their scope of mitigation concepts that are included in the studies. There are other options available for mitigation planning above and beyond what is included in the procedures manual as it is now written. I refer you to the detailed comments made by ADF&G.
3. We recommend that an assessment of effectiveness of mitigation used on other projects to reduce impacts also be studied before we determine what sorts of mitigation techniques will be applied to the proposed Susitna project. The reason for recommending this is to enhance the probability that the mitigation we apply to the Susitna project will be successful.

4. Table 2 should be amended to identify the issue of the effect of the project on rearing, fish passage and egg incubation in the Susitna River from its mouth upstream to the proposed dam site.
5. The mitigation alternatives should include a cost benefit analysis in phase 2.
6. There is a lack of adequate participation by resource management agencies in the impact assessment or mitigation planning as proposed in this procedures manual.
7. The water quality subtask within this study needs further review regarding the extent of data required and details about timing of the data collection.

SUBTASK 7.11 WILDLIFE ECOLOGY

A. Big Game Assessment and Mitigation Planning

1. This study does not describe the methodology that will be used for assessing impacts to be mitigated. The procedures manual discussion of formation of a mitigation team and a series of meetings and conferences as a methodology is inadequate.
2. The scope of mitigation concepts needs to be broadened in this study. The National Environmental Policy Act (NEPA) defines mitigation in five different ways:
 - a. Avoiding impact all together by not taking a certain action of parts of an action.
 - b. Minimizing impacts by limiting the degree or magnitude of the action and its implementation.
 - c. Rectifying the impact by repairing, rehabilitating, or restoring the effected environment.
 - d. Reducing or limiting the impact over time by preservation and maintenance operations during the life of the action.
 - e. Compensating for the impact by replacing or providing substitute resources for environments.

Since the Sustina project will be subject to an environmental impact statement the Alaska Power Authority should assure that the contractors preparing the application adequately address all aspects of mitigation in order that the submittal will be adequate for the E.I.S.

B. Wildlife Ecology - Fur Bearers

1. Scope of these studies needs to be extended to salt water. The reason is the proposed Susitna hydropower project will have impacts all the way to salt water.
2. This manual does not acknowledge the need for mitigation for these living resources. It is recommended that the procedures manual be revised to reflect the need for mitigation for fur bearers.
3. The manual describes surveys which will be done only in the winter. The seasonality of this approach will result in certain data biases and lack of data for the intervening months.
4. The studies state that radio collaring of animals will be done. How will the radio collar data be used?

C. Wildlife Ecology - Birds and Non-game Mammals

1. The scope of these studies needs to extend to salt water.
2. The procedures manual fails to acknowledge the need for mitigation of birds and non-game animals. It is recommended that the procedures manuals be revised to reflect this need.

General comments on wildlife ecology procedures manuals.

There is a compelling need to integrate the wildlife and the plant ecology studies so that the end results are meaningful and useful to the decisions which will be made. Each of these study elements should apply appropriate quantitative methodologies to evaluate animal habitats. The methodology used may depend on the characteristics of the species or group of species they are dealing with. Whatever method is adopted, it must be biologically justifiable and provide a relative estimate of the habitat value per area unit for the study area.

SUBTASK 7.12 PLANT ECOLOGY

1. The scope of these studies needs to be expanded from the dam site all the way to salt water. The reason for this is that construction and operation of the dam will impact vegetation to that extent.
2. There needs to be a high level of integration and coordination between the plant ecology, hydrology, and the wildlife impact assessment studies. This is because a great part of the wildlife impact mitigation will be based on vegetation.

3. The definition of wetlands used for classifying habitats should be compatible with data already collected in the Susitna Basin by the cooperative study underway with DNR, ADF&G, and SCS. We recommend that the classification system developed by the U.S. Fish and Wildlife Service and described in "Classification of Wetlands and Deep Water Habitats of the United States" (FWS/OBS79/31) be considered as the wetland classification for these studies.

SUBTASK 7.14 ACCESS ROAD ANALYSIS

1. The analysis of alternatives does not indicate whether stream crossings will be reviewed to determine extent of icing and adverse environmental impact as a result of crossing these streams. Stream crossing and structures should be designed to avoid creating icing and erosion problems.
2. This analysis should include assessing the effects of an increase in fishing due to newly opened road access as part of its scope of work.
3. There is an obvious linkage between access roads for this project and land use/fish and wildlife studies. Review of the manuals does not indicate that the appropriate process or mechanism is in place to see that this occurs.

GENERAL COMMENTS

It is the consensus of the Steering Committee that each study task procedures manual should include two maps:

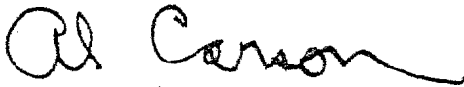
1. A map that delineates the boundaries of the specific study tasks described in the respective manual.
2. A second map delineating the overall study area, ie from the mouth of the Susitna River to the Denali Highway.

SUMMARY

In conclusion, the above comments should be considered as summary comments designed to flag the most significant and compelling issues which require correction or rectification in order to assure that the procedures and approaches used in the studies will yield the answers necessary to make the most informed and best decision regarding the proposed Susitna project. The Steering Committee members believe the most compelling need is for a well-conceived process to improve the linkage and coordination of the various studies. This is particularly true in several of these studies where one element is dependent upon findings of other studies. An example is the need for fisheries impact mitigation to be built upon the assessment of the existing fishery resources and the instream flow/hydrology studies. The recognition of the sequential nature of this process is lacking in the procedures manuals reviewed.

We also would like to emphasize the importance of the relationship between the ultimate design of the procedural manuals and a particular study product; that product being identification of and development of mitigation measures for the human and natural resources being studied. We have recommended several times above that mitigation be added or broadened in scope on a resource by resource basis. This concern is based on our collective experience in assessing the adequacy of the mitigative features of countless environmental statements; they are often very weak in this critical area. As the mitigation efforts may be a key to assessing the feasibility of this project and a key to the success of the environmental statement that may follow, we urge you to integrate "mitigation" into all systems designed to assess human and natural resource impacts.

Sincerely,



Al Carson
Chairman Susitna Hydro Steering Committee

cc: Steering Committee Members
Reed Stoops

MEMORANDUM

State of Alaska
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RESEARCH & DEVELOPMENT

TO: SUSITNA HYDRO ELECTRIC
STEERING COMMITTEE MEMBERS
(See Distribution List)

DATE: October 29, 1980

FILE NO:

TELEPHONE NO:

FROM:  AL CARSON
Steering Committee Chairman

SUBJECT: November 5, 1980 Meeting

There will be a meeting of the Steering Committee at 8:30 A.M. on Wednesday, November 5, 1980 at the University of Alaska Anchorage Campus Center Executive Conference Room. The Campus Center is located approximately 3 blocks east of the corner of 36th Avenue and Lake Otis off Providence. Attached is a sketch showing the location of the conference room on the lower level.

The purpose of this meeting is:

- (1) To finalize Steering Committee review comments on the procedures manuals used by ACRES and their contractors.
- (2) To comment upon ACRES approach to identification of power alternatives in the railbelt. Attached please find a packet of information for your review before the meeting.
- (3) To identify any other tasks or actions that the members of the steering committee wish.

The 8:30 A.M. to Noon session will be devoted to items 1 and 3. The 1:00 to 5:00 P.M. session will address item 2.

Please give this meeting your highest priority for 11/5/80. Your participation is vital if our effort is to be successful.

DISTRIBUTION LIST

Don McKay
U. S. Fish & Wildlife Service
733 W. 4th Ave., Suite 101
Anchorage, Alaska 99501

Tom Trent
AK Dept. of Fish & Game
333 Raspberry Road
Anchorage, Alaska 99502

John Rego
Bureau of Land Management
Anchorage District Office
4700 E. 72nd Avenue
Anchorage, Alaska 99502

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OCT 30 1980

ALASKA POWER AUTHORITY

89

SUSITNA HYDRO ELECTRIC
STEERING COMMITTEE MEMBERS

October 29, 1980
Page 2

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U. S. Geological Survey
Water Resources
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Anchorage, Alaska 99501

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Arctic Environmental Information
and Data Center (U of A)
707 "A" Street
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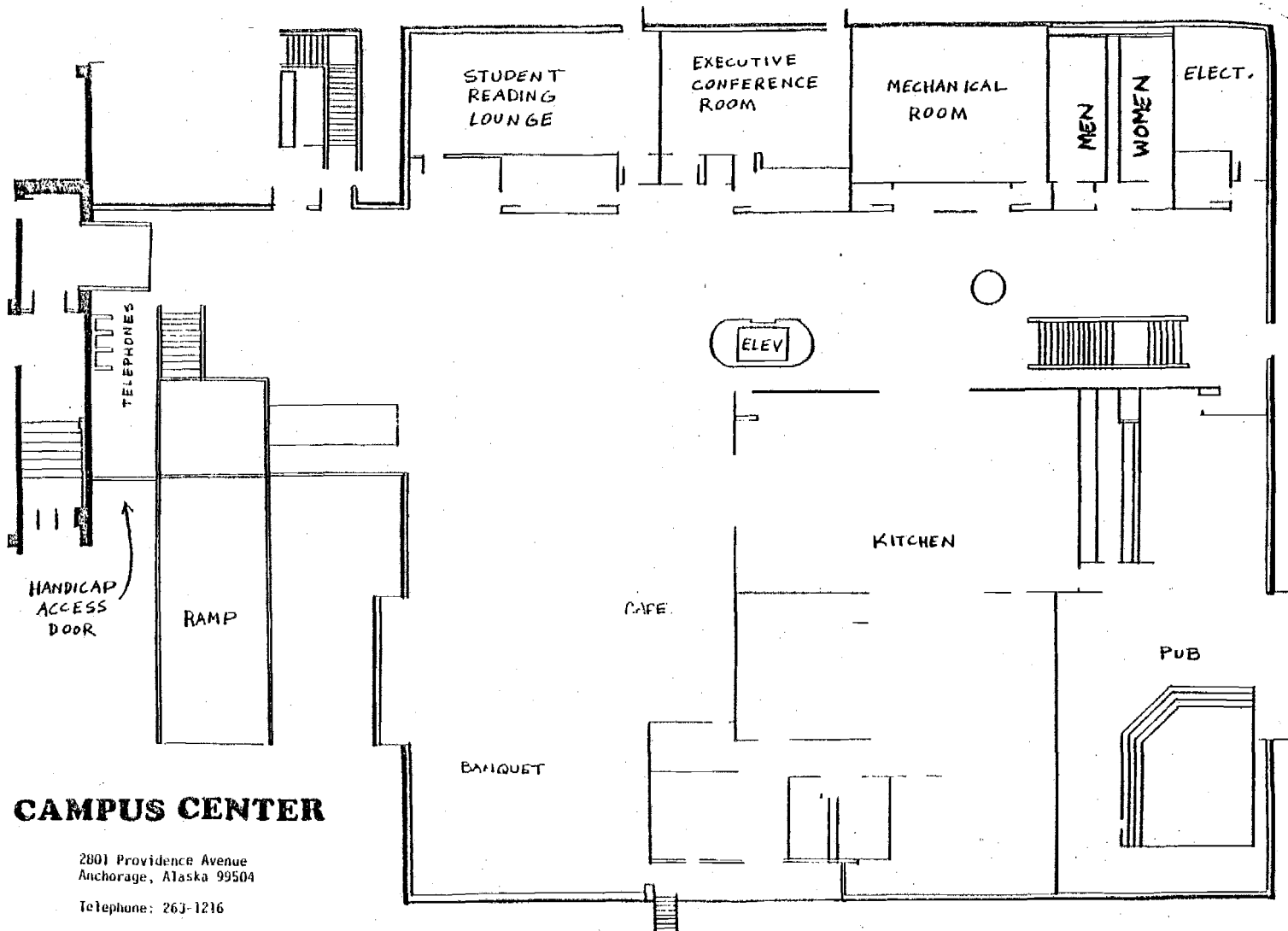
Dave Sturdevant
Dept. of Environmental Conservation
Pouch "O"
Juneau, Alaska 99811

Larry Wright or Bill Welch
Heritage Conservation and
Recreation Service
1011 E. Tudor Road, Suite 297
Anchorage, Alaska 99503

Brad Smith or Ron Morris
National Marine Fisheries Service
701 "C" Street, Box 43
Anchorage, Alaska 99513

Attachments

bcc: R. Stoops - R&D
D. Wozniak - A.P.A.



CAMPUS CENTER

2801 Providence Avenue
Anchorage, Alaska 99504

Telephone: 263-1216

LOWER LEVEL

RECEIVED

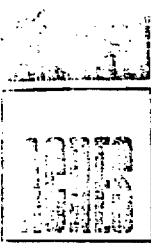
NOV 28 1980

ALASKA POWER AUTHORITY

Susitna Hydro Steering Committee
Meeting 11/5/80 @ UAA

| <u>Name</u> | <u>Phone</u> | <u>Organization</u> |
|-------------------|--------------|---------------------|
| Bob Lamke | 271-4138 | USGS-Anchor |
| Dave Sturdevant | 465-2636 | ADEC - JNU |
| LARRY WRIGHT | 277-1666 | HCRS |
| Jim Thomson | " | " |
| MIKE KASTERIN | 344-9661 | BLM |
| PAT BECKLEY | 344-9661 | BLM |
| Floyd Heimlich | 262-4441 | CEP/quantile |
| Tom McKee | 271-4575 | USFWS |
| Gary Stackhouse | 276-3800 | USFWS |
| BRAD SMITH | 271-5006 | NMFS |
| Tom Trent | 276-4888 | ADF&G |
| Chuck Evans | 279-4523 | AEIDE |
| DAVID D WOZNIAK | 276-7641 | APA |
| BRUCE R. BEDARD | 277-7642 | APA |
| Karl Schneider | 344-0541 | ADF&G |
| Peg Wilson | 274-3621 | ACE |
| CHRISTOPHER ESTES | 344-0541 | ADF&G |
| Al Carson | 279-5577 | ADNR |

22.00



November 14, 1980
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T.546

Mr. Al Carson
Chairman, Susitna Hydro Steering Committee
Department of Natural Resources
619 Warehouse Drive
Suite 210
Anchorage, Alaska 99501

Dear Al:

Susitna Hydroelectric Project
Steering Committee Review of Potential
Hydroelectric Development Sites

Thank you for the opportunity of meeting with the Steering Committee on November 5, 1980. I personally found it disappointing that my objective of establishing a workshop atmosphere where the members of the Steering Committee could have a positive input into our selection of candidate hydro sites did not materialize. However, I realize that our objectives for this component of the Susitna studies may not have been adequately explained. In this regard I have attached a further explanation of our objectives as prepared by Robert Mohn of APA.

I have accepted your suggestion that the most efficient means of obtaining input from the Steering Committee is to 1) identify in-house the short list of candidate sites we propose for further study; 2) present this list to the Steering Committee for review and comment, and 3) incorporate these comments into our final selection and review.

Presented on Table 1 is our short list of candidate sites proposed for further study. As mentioned on November 5 it is essential for planning purposes to retain 4-6 sites within each of the size categories listed. These sites were selected from the list presented on Table 2. Table 2 represents sites that have passed through our rough economic and environmental screening. Although I realize that the Steering Committee disagreed with our rough screening criteria it is my opinion that using this criteria allowed us to eliminate the least environmentally acceptable schemes.

ACRES AMERICAN INCORPORATED

The Executive Building
Buffalo, New York 14202

Telephone: (716) 835-1100

Other Offices: Washington, DC; Pittsburgh, PA; Anchorage, AK; Fairbanks, AK; Seattle, WA; Denver, CO

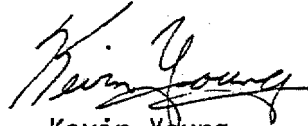
Mr. Al Carson
Chairman, Susitna Hydro Steering Committee

November 14, 1980
page 2

I would appreciate receiving the Steering Committee's review and comments on the sites presented in Table 1. If for any reason you find that any of these sites are totally unacceptable, I request that you recommend a replacement of similar size from the sites listed in Table 2. This replacement is essential so that we can retain 4-6 candidate sites in each size category. Information relating to location and design parameters for each site was included in the information packets distributed prior to our November 5 meeting.

Trusting this approach meets with your approval.

Sincerely,



Kevin Young
Environmental Coordinator

KRY/jmh
Attachments

ALASKA POWER AUTHORITY

MEMORANDUM

TO: Susitna Steering Committee
Members

DATE: November 25, 1980

FROM: Robert A. Mohn *RAM*
Director of Engineering
Alaska Power Authority

SUBJECT: Environmental screening
of hydroelectric
sites

There has been some measure of frustration and disappointment on all sides associated with the attempt by Acres American to solicit input from the Steering Committee at the committee's last meeting. It seems to me that an important factor in the lack of success may stem from misunderstanding or uncertainty about this exercise in relation to an "alternatives study".

As you probably remember, the original Acres plan of study (POS) called for a study of alternatives to Susitna as the primary element of Task 1. Information about alternatives was to be developed, a screening mechanism was to be employed to narrow the range of acceptable options, and the Susitna project was to be compared against the preferred alternative. This work was to be conducted in parallel with the detailed studies of the Susitna project, and its goal was to formulate several optimized "without Susitna" plans. In other words, Task 1 was meant to be a thorough search for a plan that would be preferable to Susitna development.

The Power Authority requested supplemental funding to adequately fund Task 1 after some early criticism of the funding level and study scope. The requested \$1.3 million was appropriated but with the caveat that the alternatives study would be performed by someone other than Acres. The Governor's 4-person policy review committee (Ulmer, Lehr, Quinlan and Conway) selected Battelle to do the work.

The elimination of Task 1 from our study plan left a significant hole. This was the case because information that was to be developed in Task 1 was critical to the formulation of the preferred Susitna basin development plan and to the economic evaluation of the Susitna plan. River basin planners cannot formulate an optimal Susitna plan without knowing what the remainder of the Railbelt power system components are likely to be, and the economic analysts cannot evaluate benefits and costs without having a "without Susitna" plan to compare to.

So, the Power Authority and Acres responded to the termination of Task 1 by augmenting the design development work in Task 6. This permitted the Susitna study to stay on track by incorporating that portion of Task 1 needed for Susitna plan formulation. The objective of this work is not to formulate an optimal set of alternatives; that is being done by Battelle. Instead the purpose is to gather information about likely components of a future Railbelt power system as a frame of reference for Susitna project formulation.

ALASKA POWER AUTHORITY

MEMORANDUM

**TO: Susitna Steering Committee
Members**

DATE: November 25, 1980

It is in this gathering of information about likely system components and in establishing the frame of reference that your assistance has been sought. To reiterate, the exercise is in support of Susitna project formulation; it is not meant to replace the Battelle alternatives study or be the final word on alternatives.

ALASKA POWER AUTHORITY

November 25, 1980

John D. Lawrence
Project Manager
Acres American, Inc.
900 Liberty Bank Building
Main at Court
Buffalo, New York 14202

Attn: Mr. Kevin Young

Dear Kevin:

Reference is made to your letter of November 14, 1980 to the Susitna Hydroelectric Project Steering Committee about hydro sites.

We concur with your approach of corresponding directly with Mr. Carson. He will both distribute the listing and collate any findings thereto.

Mr. Mohn prepared the additional explanation of the task 6.32-6.36 objectives and it was forwarded to the Steering Committee with your letter. I am attaching a copy of that explanation to your files. If Mr. Carson chooses to respond directly to you it would be appreciated if you would provide us with copies of his responses.

Sincerely,

David Wozniak
Project Engineer

Attachments: As stated

cc: J. Gill

CONCUR:

RAM

ALASKA POWER AUTHORITY

November 26, 1980

Mr. Al Carson
State of Alaska
Department of Natural Resources
323 E. 4th Avenue
Anchorage, Alaska 99501

Dear Al:

Thank you for your efforts in pulling together the Susitna Hydroelectric Steering Committee review of the Task 7 Procedures Manuals. I have formally forwarded the comments to Acres American, Inc., with instructions to act promptly on the recommendations. I anticipate the vast majority will be considered by the end of the year, with the remainder addressed shortly thereafter. I am planning on giving a report on their disposition at the next convening of the committee, which I am assuming will be in February, 1981.

Once again, thanks to you and your committee members.

Sincerely,

FOR THE EXECUTIVE DIRECTOR

David Wozniak
Project Engineer

cc: Don McKay
U. S. Fish & Wildlife Service
733 W. 4th Ave., Suite 101
Anchorage, Alaska 99501

Tom Trent
Alaska Department of Fish & Game
333 Raspberry Road
Anchorage, Alaska 99502

John Rego
Bureau of Land Management
Anchorage District Office
4700 E. 72nd Avenue
Anchorage, Alaska 99502

CONCUR

RAM

Bob Lamke
U. S. Geological Survey
Water Resources
733 W. 4th Ave., Suite 400
Anchorage, Alaska 99501

Bill Wilson or Chuck Evans
Arctic Environmental Information
and Data Center (U of A)
707 "A" Street
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Dave Sturdevant
Department of Environmental Conservation
Pouch "O"
Juneau, Alaska 99811

Larry Wright or Bill Welch
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Recreation Service
1011 E. Tudor Road, Suite 297
Anchorage, Alaska 99503

Brad Smith or Ron Morris
National Marine Fisheries Studies
701 "C" Street, Box 43
Anchorage, Alaska 99513

ALASKA POWER AUTHORITY

November 26, 1980

Mr. John Lawrence
Attn: Kevin Young
Acres American, Inc.
900 Liberty Bank Building
Main @ Court
Buffalo, New York 14202

Dear Kevin:

Attached is the finished version of the Susitna Hydroelectric Steering Committee findings to the Task 7 Procedures Manuals. A working draft was presented to us during the November 5, 1980 meeting; this version incorporates comments made at that meeting. AS you will see, it differs from that working draft in minor detail only. Also attached are agency source documents, resources previously unavailable to us.

As I summarized to the Steering Committee at the November 5 meeting, the Power Authority considers the majority of the comments to be reasonable, helpful, and worthy of immediate incorporation. We accordingly solicit your positive approach to accommodation of the Steering committee comments and recommendations.

I suggest we very quickly address the acceptable recommendations and then move on to focus our energies on those that require detailed evaluation. To insure we are in agreement, I suggest you advise us on a point by point basis those comments you recommend accepting, with narrative as to method of incorporation. In separate correspondence, advise us of those comments for which you have reservations, and your recommendations thereto. In view of the fact that we have been privy to the Steering Committee thinking since early November, you should be able to do this well before the Christmas Holidays. Such a timetable will hopefully facilitate early resolution of all the comments in time for a report to the Steering Committee at their next convening.

Sincerely,

FOR THE EXECUTIVE DIRECTOR

David Wozniak
Project Engineer

Attachment: As noted

CONCUR

cc: J. Hayden, Acres Buffalo w/o attachment
J. Gill, Acres, Anchorage, w/o attachment
A. Carson, Department of Natural Resources, Anchorage, w/o attachment
Mark Robinson, FERC, 825 N. Capitol St., NE, Washington, D. C. 20426

RAM

MFR: Next convening tentatively scheduled for February, 1981.

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF RESEARCH & DEVELOPMENT

JAY S. HAMMOND, GOVERNOR

323 E. 4TH AVENUE
ANCHORAGE, ALASKA 99501

279-5577

December 11, 1980

Don McKay
U. S. Fish & Wildlife Service
733 W. 4th Ave., Suite 101
Anchorage, Alaska 99501

Dear Mr. McKay:

Enclosed please find a 11/14/80 letter from Kevin Young of Acres American concerning review of potential hydroelectric sites. You will recall that we discussed this with Mr. Young during our afternoon session on November 5, 1980. There is also a memorandum from Robert Mohn of the Alaska Power Authority, which describes why A.P.A. has contracted ACRES to do this task.

Please review the documents as explained in Mr. Young's letter and forward your comments to me either in writing or by phone by December 31, 1980.

Sincerely,



Al Carson, Chairman
Susitna Hydro Steering Committee

Enclosures

cc: Eric Yould - A.P.A.
Kevin Young - ACRES

ALASKA POWER
AUTHORITY
SUSITNA

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STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF RESEARCH & DEVELOPMENT

JAY S. HAMMOND, GOVERNOR

323 E. 4TH AVENUE
ANCHORAGE, ALASKA 99501

279-5577

December 11, 1980

Tom Trent
AK Department of Fish & Game
333 Raspberry Road
Anchorage, Alaska 99502

Dear Mr. Trent:

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Al Carson, Chairman
Susitna Hydro Steering Committee

Enclosures

cc: Eric Yould - A.P.A.
Kevin Young - ACRES

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF RESEARCH & DEVELOPMENT

JAY S. HAMMOND, GOVERNOR

323 E. 4TH AVENUE
ANCHORAGE, ALASKA 99501

279-5577

December 11, 1980

John Rego
Bureau of Land Management
Anchorage District Office
4700 E. 72nd Avenue
Anchorage, Alaska 99502

Dear Mr. Rego:

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ANCHORAGE, ALASKA 99501

279-5577

December 11, 1980

Bob Lamke
U. S. Geological Survey
Water Resources
733 W. 4th Ave., Suite 400
Anchorage, Alaska 99501

Dear Mr. Lamke:

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Al Carson, Chairman
Susitna Hydro Steering Committee

Enclosures

cc: Eric Yould - A.P.A.
Kevin Young - ACRES

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF RESEARCH & DEVELOPMENT

JAY S. HAMMOND, GOVERNOR

323 E. 4TH AVENUE
ANCHORAGE, ALASKA 99501

279-5577

December 11, 1980

Bill Wilson or Chuck Evans
Arctic Environmental Information
and Data Center (U of A)
707 "A" Street
Anchorage, Alaska 99501

Dear Messrs. Wilson & Evans:

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Susitna Hydro Steering Committee

Enclosures

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Kevin Young - ACRES

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December 11, 1980

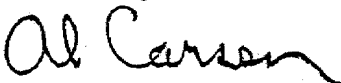
Dave Sturdevant
Department of Environmental
Conservation
Pouch "O"
Juneau, Alaska 99811

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Al Carson, Chairman
Susitna Hydro Steering Committee

Enclosures

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Kevin Young - ACRES

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF RESEARCH & DEVELOPMENT

JAY S. HAMMOND, GOVERNOR

323 E. 4TH AVENUE
ANCHORAGE, ALASKA 99501

279-5577

December 11, 1980

C
Larry Wright or Bill Welch
Heritage Conservation and
Recreation Service
1011 E. Tudor Road, Suite 297
Anchorage, Alaska 99503

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Al Carson, Chairman
Susitna Hydro Steering Committee

Enclosures

cc: Eric Yould - A.P.A.
Kevin Young - ACRES

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF RESEARCH & DEVELOPMENT

JAY S. HAMMOND, GOVERNOR

323 E. 4TH AVENUE
ANCHORAGE, ALASKA 99501

279-5577

December 11, 1980

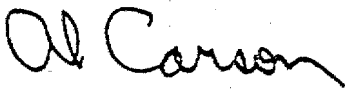
Brad Smith or Ron Morris
National Marine Fisheries Service
701 "C" Street, Box 43
Anchorage, Alaska 99513

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Al Carson, Chairman
Susitna Hydro Steering Committee

Enclosures

cc: Eric Yould - A.P.A.
Kevin Young - ACRES



November 14, 1980
P5700.11.74
T.546

Mr. Al Carson
Chairman, Susitna Hydro Steering Committee
Department of Natural Resources
619 Warehouse Drive
Suite 210
Anchorage, Alaska 99501

Dear Al:

Susitna Hydroelectric Project
Steering Committee Review of Potential
Hydroelectric Development Sites

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ACRES AMERICAN INCORPORATED

The Board of Directors
Bureau of Land Management

Washington, D.C. 20250

One of the following: 1) The Board of Directors 2) The Board of Directors

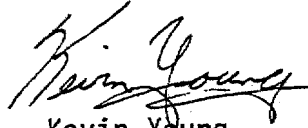
Mr. Al Carson
Chairman, Susitna Hydro Steering Committee

November 14, 1980
page 2

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Trusting this approach meets with your approval.

Sincerely,



Kevin Young
Environmental Coordinator

KRY/jmh
Attachments

Table I

Candidate Sites for Future Study

| <u>Size</u> | <25 MW | 25-100 MW | >100 MW |
|-------------|-----------------|----------------|-------------|
| | Tustumena | Snow | Chakachamna |
| | Allison Creek | Hicks | Johnson |
| | Silver Lake | Cache | Browne |
| | Strandline Lake | Keetna | Land |
| | | Talkeetna-2 | Tokichitna |
| | | Lower Chulitna | |

Table 2

Sites Passing Rough Screening

| <u>Size</u> | <25 MW | 25-100 MW | >100 MW | |
|-------------|-------------------|----------------|--------------|------------------|
| | Strandline L. | Whiskers | Snow | Lane |
| | Lower Beluga | Coal | Kenai Lower | Tokichitna |
| | Lower Lake Cr. | Chulitna | Gerstle | Yentna |
| | Allison Cr. | Ohio | Tanana R. | Cathedral Bluffs |
| | Grant Lake | Lower Chulitna | Bruskasna | Johnson |
| | McClure Bay | Cache | Kantishna R. | Browne |
| | Upper Nellie Juan | Greenstone | Upper Beluga | Tazilna |
| | Power Creek | Talkeetna 2 | Coffee | Kenai Lake |
| | Silver Lake | Granite Gorge | Gulkana R. | Chakachamna |
| | Solomon Gulch | Keetna | Klutina | |
| | Tustumena | Sheep Creek | Bradley Lake | |
| | | Skwentna | Hick's Site | |
| | | Talachulitna | Lowe | |

January 2, 1981

Robert E. LeResche, Commissioner
Alaska Department of Natural Resources
P.O. Box 11 (Mail Stop 1000)
Juneau, Alaska 99811

Dear Commissioner LeResche:

Your organization has been cooperating extensively with the Power Authority in assessing the potential effects of hydroelectric development of the Upper Susitna River Basin. Several different vehicles have been used; meetings, correspondence, and Susitna Hydroelectric Project Steering Committee activities. We feel that the results reflect close consultation and coordination between our organizations.

As the study has progressed, more and more items requiring consultation have emerged, and the future will require a still higher level of involvement. This anticipated level of activity, plus the fact that the Federal Energy Regulatory Commission (FERC) and the Fish and Wildlife Coordination Act require documentation of such consultations, suggests it is now appropriate to be more formal in our exchanges. Accordingly, we advance this suggested procedure to you for your concurrence and/or suggestions for modification.

In general, we propose a two step process. The first step will consist of consultation with the Susitna Hydroelectric Project Steering Committee. That body will perform evaluations and structure recommendations. The Power Authority will consider these recommendations and formulate a position. Upon completion of these actions, the results will be processed through your agency for formal concurrence.

This represents a slight expansion of the original concept under which the Steering Committee was structured; the Committee was to act primarily as an advisory body to the study team while secondarily facilitating agency involvement in the study effort. Member agencies were to be represented by senior staffers of skills appropriate to the matters under consideration. This was considered to be advantageous as it would facilitate responsiveness by virtue of being relatively independent of procedural impediments, while still reflecting to a substantial degree the agency viewpoint.

This proposal hopefully preserves those advantages within an expanded role by permitting attainment of interagency consensus with a relatively low level of input and a high degree of flexibility. It also permits the various agencies to tailor their participation to the specific needs. Finally, the second step of referral of Steering Committee deliberations for formal agency concurrence meets regulatory and statutory requirements.

January 2, 1981

Frances A. Ulmer, Director
Office of the Governor
Division of Policy Development and Planning
Pouch AD (Mail Stop 0164)
Juneau, Alaska 99811

Dear Fran:

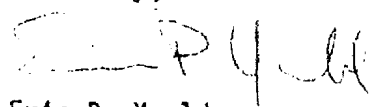
The Power Authority is studying and assessing the potential effects of hydroelectric development of the Upper Susitna River Basin. Accomplishment of that task necessitates consultation and coordination with various Federal, State and local organizations, including yours.

As the study has progressed, more and more items requiring consultation have emerged, and the future will require a still higher level of involvement. This anticipated level of activity, plus the fact that the Federal Energy Regulatory Commission (FERC) and the Fish and Wildlife Coordination Act require documentation of such consultations, suggests it is now appropriate to establish a formal procedure for our contacts. Accordingly, we advance the following plan to you for your concurrence and/or suggestions for modification.

In general, we propose a two step process. The first step will consist of consultation with the Susitna Hydroelectric Project Steering Committee. That body will perform evaluations and structure recommendations. The Power Authority will consider these recommendations and formulate a position. Upon completion of these actions, the results will be processed through the appropriate organizations for formal concurrence.

I request your written concurrence with this proposal, or, if you have other thoughts on the matter, we are anxious to explore them with you.

Sincerely,


Eric P. Yould
Executive Director

cc: Bill Welch, U. S. HCRS
Larry Wright, U. S. HCRS
Jim Thomson, U. S. HCRS

Sent to:

Alaska Department of Community and Regional Affairs
Alaska Department of Commerce & Economic Development
Office of the Governor, Division of Policy Development and Planning
Matanuska-Susitna Borough
Environmental Protection Agency, Region 10
Alaska District, Corps of Engineers
U. S. Geological Survey

Attachment #2

CONCUR

DW
RAM
EPY

ALASKA POWER AUTHORITY

RESPONSE SUMMARY

| <u>Agency</u> | <u>Respond?</u> | <u>Comment</u> |
|---------------|-----------------|----------------------------|
| ADC&RA | Yes | Abstain |
| ADC&ED | Yes | Concur |
| DPDP | Yes | Suggest A-95 Procedures |
| EPA | Yes | Concur w/option preserved |
| COE | Yes | Does not wish to participa |
| USGS | Yes | Concur |
| MAT-SU | No | |
| ADF&G | Yes | Concur |
| ADEC | Yes | Concur |
| ADNR | No | |
| NMFS | Yes | Concur, w/option preserved |
| BLM | Yes | Concur, w/option preserved |
| HCRS | Yes | Concur |
| USFWS | Yes | Concur, w/option preserved |



IN REPLY REFER TO:

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Western Alaska Ecological Services
733 W. 4th Avenue, Suite 101
Anchorage, Alaska 99501
(907) 271-4575

RECEIVED

JAN 19 1981

ALASKA POWER AUTHORITY

Eric P. Yould
Executive Director
Alaska Power Authority
333 W. 4th, Suite 31
Anchorage, Alaska 99501

JAN 16 1981

EPM

Dear Mr. Yould:

The U.S. Fish and Wildlife Service (FWS) has received your letter of 2 January 1981 proposing that the agencies comprising the Susitna Hydroelectric Steering Committee provide formal concurrence to positions developed by the Alaska Power Authority (APA) in response to committee recommendations. We concur with your proposal. However, in the event that we disagree with APA's position, we reserve the option of providing a formal response indicating what is required for FWS concurrence.

Sincerely,

Robert Bowker

Field Supervisor

cc: AOES

STATE OF ALASKA

JAY S. HAMMOND, Governor

DEPT. OF COMMUNITY & REGIONAL AFFAIRS

OFFICE OF THE COMMISSIONER

POUCH 8
JUNEAU, ALASKA 99811
PHONE: (907) 465-4700

January 20, 1981

RECEIVED

JAN 26 1981

ALASKA POWER AUTHORITY

Mr. Eric P. Yould
Executive Director
Alaska Power Authority
333 West 4th Avenue, Suite 31
Anchorage, Alaska 99501

Dear *Mr* Yould:

Thank you for your letter of January 2 regarding hydroelectric development of the upper Susitna River Basin.

I have no additional comments on this project at this time. I do wish the Alaska Power Authority much success in the Susitna Hydroelectric Project and all other projects APA is involved with.

Please accepts my regrets - I always seem to have conflicts at APA meetings.

Sincerely,



Lee McAnerney
Commissioner

STATE OF ALASKA

JAY S. HAMMOND, GOVERNOR

DEPARTMENT OF COMMERCE & ECONOMIC DEVELOPMENT

OFFICE OF THE COMMISSIONER

POUCH D
JUNEAU, ALASKA 99811
Phone: 465-2500

January 21, 1981

RECEIVED

JAN 29 1981

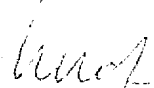
ALASKA POWER AUTHORITY

Mr. Eric Yould
Executive Director
Alaska Power Authority
333 West 4th Avenue, Suite 31
Anchorage, Alaska 99501

Dear Eric:

I am in receipt of your letter dated January 2 requesting a response from me on your proposed procedures for consultation. Please be advised that I concur with the two step process presented in your letter to me.

Sincerely,


Charles R. Webber
Commissioner

CRW/mh3/20

STATE OF ALASKA

JAY S. HAMMOND, GOVERNOR

DEPARTMENT OF FISH AND GAME

OFFICE OF THE COMMISSIONER

SUPPORT BUILDING
JUNEAU, ALASKA 99801

January 22, 1981

RECEIVED

FEB 4 1981

ALASKA POWER AUTHORITY

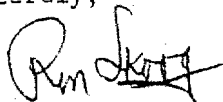
Mr. Eric P. Yould, Executive Director
Alaska Power Authority
333 West 4th Avenue
Suite 31
Anchorage, Alaska 99501

Dear Mr. Yould:

The Alaska Department of Fish and Game has considered your January 2 proposal for an agency consultation process by the Alaska Power Authority (APA) through the Susitna Hydro Steering Committee. The process for evaluation and recommendation by staff of this agency, and the formal agency concurrence action of APA's developed position is acceptable to this Department.

I suggest APA work further with the Steering Committee to finalize the details of the implementation of your proposed coordination/consultation process at their next meeting. The Steering Committee should be able to do much in the future to eliminate duplication of coordination and consultation effort, on both our parts, for the Susitna Hydroelectric Project.

Sincerely,



Ronald O. Skoog
Commissioner
(907) 465-4100

cc: A. Carson



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Water Resources Division
733 West Fourth Avenue, Suite 400
Anchorage, Alaska 99501

279

January 26, 1981

Eric P. Yould
Executive Director
Alaska Power Authority
333 West Fourth Avenue, Suite 31
Anchorage, Alaska 99501

RECEIVED
JAN 28 1981

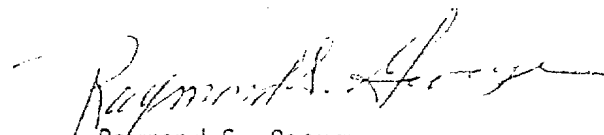
ALASKA POWER AUTHORITY

Dear Eric:

We concur with the two-step process of interagency consultation and coordination in studying the potential effects of the proposed hydropower development of the upper Susitna River basin outlined in your letter of January 2, 1981.

The Water Resources Division has no regulatory functions, so formal concurrence with your agencies actions is not within our field of authority. However, we can assist in advisory capacities. The Geologic Division expertise may also be available for consultation. The Conservation Division is the only Geological Survey division with regulatory authority and they have a section that handles hydropower developments.

Sincerely yours,


Raymond S. George
Acting District Chief



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Anchorage District Office
4700 East 72nd Avenue
Anchorage, Alaska 99507

IN REPLY REFER TO
2920 (013)

JAN 30 1981

RECEIVED

JAN 2 1981

ALASKA POWER AUTHORITY

Mr. Eric Yould
Alaska Power Authority
333 West 4th Ave., Suite 31
Anchorage, Alaska 99504

Dear Mr. Yould:

This is in reply to your letter dated January 2, 1981, questioning the official nature of the suggestions given during meetings with the Susitna Hydroelectric Project Steering Committee.

All statements made at these meetings with the Steering Committee are at a working level and are not to be construed as BLM's official stand or policy.

All official Bureau policy and positions concerning the Susitna Project will originate from this office in writing with my signature or the signature of an acting District Manager.

Sincerely yours,

Richard W. Tindall
District Manager



DEPARTMENT OF THE ARMY

ALASKA DISTRICT, CORPS OF ENGINEERS

P.O. BOX 7002

ANCHORAGE, ALASKA 99510

REPLY TO
ATTENTION OF:

NPAEN-PL-EN

FEB 02 1981

RECEIVED

FEB 4 1981

ALASKA POWER AUTHORITY

Mr. Eric P. Yould
Executive Director
Alaska Power Authority
333 West 4th Avenue Suite 31
Anchorage, Alaska 99501

Eric
Dear Mr. Yould:

This is in response to your letter of 2 January 1981 concerning consultation with the Corps of Engineers on your study of the Upper Susitna River Basin.

As stated in our letter to you of 12 June 1980, we are unable to participate in the Susitna Hydroelectric Project Steering Committee because of funding and manpower constraints, and we will only be able to conduct the necessary reviews required for the issuance of permits under our regulatory program.

I would suggest that the scoping process prescribed in the regulations of the Council on Environmental Quality (see 40 CFR 1501.7) be initiated. This process, which would involve the Federal Energy Regulatory Commission (FERC), would help to define the scope of issues to be addressed and to identify the significant issues to be analyzed in depth in the Environmental Impact Statement (EIS). The Corps could participate in the scoping process and, possibly, become a cooperating agency with FERC in the preparation of the EIS.

If further details are desired by your staff, Mr. Harlan Moore, Chief, Engineering Division, can be contacted at 752-5135.

Sincerely,

LEE R. NUNN
Colonel, Corps of Engineers
District Engineer



United States Department of the Interior

HERITAGE CONSERVATION AND RECREATION SERVICE
ALASKA AREA OFFICE

1011 E. Tudor, Suite 297

Anchorage, Alaska 99503

Tele. (907) 277-1666

IN REPLY REFER TO:

A800

1201-03a RP

FEB 4 1981

Mr. Eric P. Yould
Executive Director
Alaska Power Authority
333 West 4th Avenue, Suite 31
Anchorage, Alaska 99501

RECEIVED

FEB 6 1981

ALASKA POWER AUTHORITY

Dear Mr. Yould:

We concur with your recommendation of January 2, 1981, concerning the expanded role of the Susistna Hydroelectric Project Steering Committee. However, we would remind you that we also have a separate coordination and review function associated with the license application Exhibit R.

Thank you for the opportunity to consider and comment on the proposal.

Sincerely,

Janet McCabe

Janet McCabe
Regional Director

U.S. ENVIRONMENTAL PROTECTION AGENCY

REGION X

1200 SIXTH AVENUE

RECEIVED, WASHINGTON 98101

FEB 9 1981



REPLY TO
ATTN OF: M/S 443 ALASKA POWER AUTHORITY

FEB 05 1981

Eric P. Yould, Executive Director
Alaska Power Authority
333 West 4 Avenue, Suite 31
Anchorage, Alaska 99501

Subject: Susitna Hydroelectric Project Coordination Procedures

Dear Mr. Yould:

Thank you for your letter proposing a two-step process for the coordination required under the Federal Energy Regulatory Commission regulations and the Fish and Wildlife Coordination Act. We basically concur with your proposals. However, we may have further comments on the issues dealt with in this coordination process once more information on each subject is available and the combined effects of the project become more visible.

It is our understanding that so far the Susitna Hydroelectric Project Steering Committee has worked on the procedures manual for the 1981 field studies and is now in the process of starting up a subcommittee to deal with possible mitigation for wildlife impacts. Other issues, including possible mitigation for fisheries impacts, are to be dealt with later when more information on the resources to be affected will be available.

We would like to be kept informed of both the steering committee and subcommittee meetings and agendas so that we can participate more actively when items affecting EPA's areas of responsibility or expertise will be considered. For now, most of our involvement will have to be by letter and telephone due to personnel and travel constraints. Within our limitations, we will try to be as responsive and helpful as possible.

EPA's coordinator for this project will continue to be Judi Schwarz, of my staff. She can be reached at (206) 442-1285.

We look forward to working with you in the future. If we can be of assistance, please do not hesitate to ask.

Sincerely yours,

Elizabeth Corbyn

Elizabeth Corbyn, Chief
Environmental Evaluation Branch



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
P. O. Box 1668, Juneau, Alaska 99802

FEB 9 1981

RECEIVED

FEB 10 1981

Mr. Eric P. Yould
Executive Director
Alaska Power Authority
333 West 4th Ave. Suite 31
Anchorage, Alaska 99501

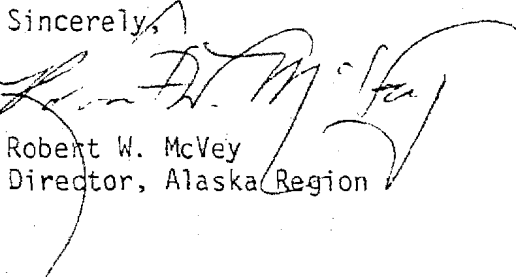
ALASKA POWER AUTHORITY

Dear Mr. Yould:

We have received your letter of January 2, 1981, regarding the involvement of the National Marine Fisheries Service (NMFS) in the planning and study of the proposed Susitna River Hydroelectric Project. We recognize the need for a "higher level of involvement" on the part of our agency, not only due to certain procedural requirements but the fact that the proposal has reached a more advanced stage of study. To this end we have been participating as a member of the Steering Committee since July, 1980. We feel this involvement affords us the opportunity to evaluate project studies and provide any input we may feel is necessary.

Regardless of our status with the Steering Committee, we feel formal agency concurrence with all policy matters and deliberations should be obtained and therefore, agree with the process you have suggested.

Sincerely,


Robert W. McVey
Director, Alaska Region

STATE OF ALASKA

OFFICE OF THE GOVERNOR

DIVISION OF POLICY DEVELOPMENT AND PLANNING

JAY S. HAMMOND, Governor

POUCH AD
JUNEAU, ALASKA 99811
PHONE: 465-3573

February 19, 1981

RECEIVED

FEB 26 1981

ALASKA POWER AUTHORITY

Mr. Eric Yould
Executive Director
Alaska Power Authority
333 West Fourth Avenue
Suite 31
Anchorage, Alaska 99501

Dear Eric:

On January 3, you sent a letter referring to consultation and coordination with various federal, State and local organizations in the study and assessment of potential effects of hydroelectric development in the Upper Susitna River Basin. Your letter requested my concurrence with your plan or suggestions for its improvement.

Frankly Eric, the paragraph in your letter that describes your plan is somewhat brief and general, making concurrence rather difficult at this time. I agree, however, that the study being undertaken is one that should have a very high level of involvement by interested State and federal agencies as well as potentially affected local communities.

I suggest that a more detailed description of the workings of the Susitna Hydroelectric Project Steering Committee be provided. What may also be appropriate is the use of your public participation staff to serve a state government coordination as well as a public involvement function. The staff could document and disseminate the proceedings of the steering committee to a wider governmental audience. Such communication could occur prior to formal Authority position formulation and smooth the process of required formal concurrence with such positions.

As for meaningful involvement of State and federal agencies in your assessment, I am enclosing a copy of Administrative Order No. 55, describing the Major Project Review (MPR) process. This process might be appropriate for the Steering Committee. The process described can be used by any unit of State government and is designed to ensure that appropriate State agencies are involved in analyses from the outset and that each assessment is highly issue oriented. The technique can be used to involve federal agencies and the public as well.

Mr. Eric Yould

-2-

February 19, 1981

The MPR questions can be modified as needed and a schedule can be prepared that indicates points at which cooperators are to tie in to the process. We generally include a public review draft in the time line for an analysis. We have also found that it is essential to the success of the MPR process for the lead unit to be able to sufficiently detach itself from its own project goals and objectives to administer the analysis in a neutral and objective fashion. One solution is, of course, to have the analysis administered by a separate agency.

Eric, I hope that at least some of these ideas are useful to you. From your letter, we are not too certain as to what involvement process you had in mind.

Please let me know if we can be of any assistance.

Sincerely,

Frances A. Ulmer

Enclosure

State of Alaska

Administrative Order No.: 55

Subject: State Major Project Review Process

Under the authority of Art. III, Sections 1 and 24 of the Alaska Constitution, and AS 44.19.880, and given the need for timely, consistent, and thorough evaluation of proposed major projects or activities, I order that the following review process be instituted:

1. Certain projects, because of their statewide or regional significance will be designated by me as major projects subject to a Major Project Review.
2. Any state agency to which I assign the lead responsibility for conducting a Major Project Review shall prepare and submit to me the information contained on the Project Analysis Summary Sheet (Attachment A) within 10 days of the assignment.
3. By the assigned date, the lead agency shall prepare and submit to me a preliminary Project Analysis which addresses the evaluation factors specified by me (Attachment B).
4. Immediately upon receipt of the preliminary Project Analysis, the Division of Policy Development and Planning (DPDP), Office of the Governor, shall forward informational copies to each affected or interested governmental agency. By the assigned dates each agency shall submit to DPDP its review and comment.
5. During the period of agency review of the preliminary Project Analysis, the Public Forum or DPDP, in consultation with the lead agency, shall conduct one or more public meetings in the affected area(s) for the purpose of receiving public comments on the project or actions.
6. By the assigned date, DPDP shall submit in writing to the lead agency, a summary of the review along with recommendations for the final Project Analysis.
7. By the assigned date, the lead agency, in conjunction with DPDP, shall prepare and submit to me, in writing and verbally, a final version of the Project Analysis. The Project Analysis shall include dissenting views, recommendations for further action and, where appropriate specific conditions or mitigation measures necessary for state approval of the project or action.
8. No designated major project or action will be approved prior to the completion of the process described above, unless a prior written waiver of necessity has been obtained from me.
9. The review specified in this order shall be coordinated with procedures contained in AS 46.35, Environmental Procedure Coordination Act, and other state review processes, as applicable.

10. No provision above is to be interpreted to interfere with the statutory requirements of any agency in the issuance of permits.
11. This order shall take effect immediately.

Signed: _____

W. S. Hammond
Governor

Date: _____

June 5, 1919

Summary Sheet

STATE MAJOR PROJECT ANALYSISProject TitleDescription

Brief description of scope, nature, and objectives of project or action, including location of project, estimated start and completion date, estimated cost of project, state interest in project.

State Action Requested/Required

Permits sought, by agency; resources necessary; public facilities to be constructed; mineral or other rights, contracts, leases, etc.

Lead Agency

Lead Agency responsibility, including designated person responsible for Project Analysis.

Agency Participation

Other agencies and individuals assigned to the project analysis effort and their responsibilities. Proposed contractual assistance.

Estimated Completion Dates

| | | |
|------------------------------|-------|------------------------------------------------|
| Preliminary Project Analysis | _____ | (_____ days from Governor's assignment) |
| Agency and Public Review | _____ | (_____ days from Preliminary Project Analysis) |
| Summary Report | _____ | (_____ days from Agency and Public Review) |
| Final Project Analysis | _____ | (_____ days from Summary Report) |

Project Evaluation Factors

Economic

1. What changes would be generated in real per capita personal income for current resident Alaskans over the life of the project (construction and operational phases)?
2. What are the employment and population changes expected to result from the project?
 - a. What proportion of jobs are expected to be occupied by current Alaskans?
 - b. What are the characteristics of these jobs (seasonality, skill level, occupational category, short-term, long-term)?
3. Does the project contribute to long-run economic stability? What short or long-term price effects are expected to result from the project?
4. What administrative roadblocks exist which would affect the economic feasibility of a project?

Community Well-Being

1. What changes are expected in the quality, availability, or demand for governmental goods, services or facilities?
2. Are changes in housing conditions expected (e.g., availability, price, quality)?
3. What local population changes are expected (e.g., amount and rate of change, characteristics of expected in-migrants)? Are population changes expected to cause significant value or lifestyle conflicts? Is displacement from traditional occupations expected?

4. Do adequate local growth management capabilities (land use plan, ordinances, revenue-generating mechanisms) exist?
5. What is public sentiment (local and statewide) toward the proposed project?

Fiscal

1. What effect would the project have on the net balance of state and local expenditures versus revenues over time?
2. Are there explicit or implicit state subsidies associated with the project? If so, what is the extent of such subsidies?

Resource Utilization

1. What effect will the project have on resource industry potentials or other resource values? Will the project result in irreversible resource commitments?
2. Will the project affect fish and wildlife populations or their habitat? Will these effects be short-term or long-term in nature?
3. Will the project affect subsistence resources? For example, are changes in migration patterns, loss of species, dislocation, or availability changes expected?
4. Will the project affect designated or specifically defined wilderness, historic, watershed, recreational or scenic areas?

Environmental Quality

1. What are the anticipated effects of the project on the environment, health or safety of the populace?
2. What are the provisions for environmental monitoring, surveillance and quality control?

1. Does the project involve technological, environmental, financial, or economic factors which have a high degree of uncertainty or risk?
2. To what extent is the existing data base adequate to answer the above questions?
3. Are there external factors (e.g., national or international) which figure prominently in the success or failure of the project?

Alternatives

1. Are there economically feasible and socially acceptable alternatives for accomplishing the objectives of the project?
2. What would be the implications of non-approval of the project?

Miscellaneous

1. Is the proposed project or action compatible with local and state plans or policies?
2. What permits, licenses and/or governmental (state, local and/or federal) approvals are necessary?
3. What is the timetable for various stages of the project? How flexible is this schedule?
4. What mitigation measures or stipulations can be identified to minimize the conflicts or problems identified above?



February 24, 1981
P5700.11
T.730

RECEIVED

MAR 2 1981

ALASKA POWER AUTHORITY

Mr. Eric P. Yould
Executive Director
Alaska Power Authority
333 West 4th Avenue
Suite 31
Anchorage, Alaska 99501

Attention: Dave Wozniak

Dear Dave:

Susitna Hydroelectric Project
Steering Committee Comments

Enclosed is Acres response to the Susitna Hydro Steering Committee comments. Please review and identify if further clarification is required. We are presently in the process of reviewing potential program modifications. Areas under consideration include:

- a lower Susitna Boater User/Navigation Survey
- estuary studies
- advancement of Phase II socioeconomic studies
- Lower Susitna vegetation, moose, furbearer studies
- recreation components of Subtask 7.05, 7.07, 7.08, 7.10, 7.11 and 7.14
- sociocultural studies

We will submit our recommendations with support documentation in the near future.

Sincerely,

John D. Lawrence
Project Manager

KRY/ljr

Enclosure

ACRES AMERICAN INCORPORATED

Consulting Engineers

One Liberty Bank Building, Main Floor

Buffalo, New York 14202

Telephone 716-875-7125

Telex 15-6429 ACRES DU

One Office, One Building, One City, One State, One Country

In response to the Susitna Hydro Steering Committee's review of the TES procedure manuals we submit the following:

Introduction

We appreciate the time and effort expended by all the members of the Steering Committee in their review of our procedure manuals. In general our responses are directed towards each of the specific comments as presented in the synthesis prepared by Mr. Al Carson. Comments presented in the introduction and conclusion are addressed first. As appropriate our response to some comments are combined to present a clarification regarding subtask interactions.

General Comments

- 1) In defense of our subcontractors it was not our understanding that the purpose of July 17, 1980 meeting was to review the environmental studies but rather to compare the requirements of FERC to other federal and state government permitting agencies. In this context an overview of our environmental program was presented. We concur that in some of the more controversial areas i.e. socioeconomics, adequate study details were not available.

The offer was then extended, and agreed to by the Steering Committee, that procedure manuals be made available for review.

- 2) As the Steering Committee have stated "the most compelling need is for a well-conceived process to improve linkage and coordination of the various studies." We concur that this is essential and have expended considerable effort in this direction. Some misunderstanding may have precipitated from the review of the procedure manuals as these manuals were prepared as practical subtask - specific documents designed for (1) exchange of program design details (2) control of adherence to the study program (3) and assurance of continuity in the event of changes in project personnel.

Our coordination efforts will concentrate on the following areas:

- 1) interaction among study participants
- 2) informal interaction with government agencies to acquire insight into concerns and general policies
- 3) formal interaction with government agencies to allow input and review of study design, development selection, project design and mitigation planning
- 4) interaction with the public in the form of information supply and input into the decision making process

Documentation of coordination to date will be included in the environmental annual reports to be available in April 1981. In addition we have requested TES to prepare an outline of their coordination process which will be supplemented by Acres and supplied to the Steering Committee for review if desired.

- 3) An area of primary concern appears to be the extent of effort directed towards studying the Lower Susitna Basin between Talkeetna and Cook Inlet during the Phase I period.

Our approach to date as outlined under Subtask 3.10 of our POS is "to estimate the flow regime, sediment regime and morphological characteristics of the lower Susitna River under natural conditions and (prepare) a preliminary determination of morphological impacts which could result from flow regulation and sediment trapping at the Susitna Project."

"A preliminary evaluation of the potential morphological changes, and impact on the river characteristics due to flow regulation will be made during the early part of 1981. If considered necessary at this stage, an expanded field data collection and study program aimed at evaluating impacts in more detail will be developed in conjunction with the DNR and presented for consideration to APA."

It is our opinion that the results of this study are necessary before the merits of any detailed downstream studies can be fully assessed.

It is obvious that we require a more comprehensive understanding of the resource agencies concerns, the reasons for these concerns and the study approach they would like us to adopt. To facilitate this TES during the month of March 1981 will contact the respective agencies directly, to discuss these and any other concerns that may exist.

7.05 Socioeconomic

Although major projects like the Trans-Alaska Oil Pipeline provide justification for the need of adequate preproject socioeconomic analysis, care must be taken in making direct comparison as to the types of impacts associated with a large centralized project such as Susitna vs a transient type construction associated with a pipeline. Susitna should produce a relatively self contained, controlled, centralized work camp established for a 10 - 15 year period. For this reason a first step in our socioeconomic program, through a review of other similar type projects, is to identify the most probable types of impacts to be anticipated. Our studies will then concentrate on these areas of most probable impact.

We have, however, for some time been considering the need to advance some of the Phase II socioeconomic studies into Phase I. The extent of changes in scope and timing of our studies will be discussed in more detail with the Steering Committee and FERC following their review of these responses.

To present a clarification as to the comprehensiveness of our socioeconomic program a listing of categories and variables being incorporated into our socioeconomic profiles is attached (Exhibit 1). This listing is referred to in our response to the seven Steering Committee comments.

Comment 1:

Local and regional recreational facilities and opportunities should be assessed to determine the ability of those facilities to handle additional users in light of increased demand.

Response:

Recreational facilities will be addressed on two fronts within the context of the Socioeconomic Analysis during Phase I. Work Package 2 entails development of a detailed socioeconomic profile, the methodology for which is described on pages 7-10 in the Procedures Manual.

"... The profiles will include...public facilities, availability, adequacy, and cost...". This includes public recreation facilities. To the extent applicable in Phase I, this analysis will address the "ability of those facilities" at local and regional levels to handle additional users" as suggested by the Steering Committee.

Additionally, we have become aware of a special study currently underway by Mat-su Borough, the results of which will be considered as an aid in our analysis. Recreational categories and variables to be investigated are shown in Section VII Exhibit I.

Comment 2:

The study should address the probability of additional industrialization of the region as a result of power from the project. Then the study needs to assess the impacts and socioeconomic implications of industrialization scenarios that would be driven by this project.

Response:

In our evaluation of the economic base we will be developing a profile of the major basic industry components. (Exhibit I section V) We will review potential incentives for industrial development created by stable energy availability and assess the socioeconomic implications of having these incentives materialize.

Comment 3:

The study should address the cost and availability of products and services. This should also address the inflationary impacts that are usually associated with a boom type cyclical expansion such as construction of a project of this magnitude may cause.

Response:

The availability of products will be addressed under the headings of wholesale trade, retail trade, services etc. as indicated in Exhibit I section V. The cost and relationship of cost to income will be addressed through our assessment of the Consumer Price Index, income and employment patterns (Exhibit I section VI).

Comment 4:

The study should address the cultural opportunities and how they may be affected in both positive and negative ways by the proposed project.

Response:

Our present study addresses cultural opportunities under the categories of:

- 1) Community organizations, social interaction, entertainment etc. (Exhibit I section II)
- 2) Public services - parks, recreation, libraries, education. (Exhibit I section IV)
- 3) Recreation - Exhibit I section IV)

We do appreciate, however, through your comments and comments from the general public that cultural aspects, especially at the local level, are not being fully addressed. We are preparing the details of a program to respond to this and will present it to the Steering Committee an outline of our scope as soon as it is available.

Comment 5:

The study needs to address the implications of the project on a composition of the people who live in the region. An obvious first step would be to establish baseline survey data in the preconstruction era so that we know what the population composition is in this area before construction begins.

Response:

As stated in the procedure manual, a purpose of Phase I socioeconomic studies is to "identify and describe the existing socioeconomic conditions and to determine which are most likely to be impacted by the Susitna Hydroelectric Project". Sections I and II of Exhibit I identify the categories for which secondary data on the composition of the people who live in the region will be collected. The adequacy of this data base will be reviewed prior to making any decisions regarding program modifications.

Comment 6:

An assessment of the changes in the sociopolitical structure of the region that could be expected (to) result from the change in the economy as a result of construction...(and) operation and subsequent developments that would be driven by this project.

Response:

Our study efforts are directed towards an assessment of the socioeconomic changes that could result from the project. In this context we will be assessing impacts on local government services, revenues and expenditures. In our opinion, however, an assessment as to changes in the sociopolitical structure of the region resulting from these socioeconomic changes would be very speculative, not cost effective and beyond the requirements for a license application.

Comment 7:

- (a) The analysis does not address the impacts of the project on users of fish and wildlife resources.
- (b) I refer you here specifically to memos included in the Department of Fish and Game review submittal which indicate that Acres and others deemed it inappropriate for the Department of Fish and Game to carry these studies out.
- (c) However, in our review of all the studies identified above we find that neither Acres American nor any of other of (sic) the subcontractors have included this important issue in their plan of work.
- (d) The scope of the analysis does not include any work designed to mitigate the project impacts on fish and wildlife.

Response:

- (1) Due to the sequential nature of our studies the analysis of the impacts of the project on users of fish and wildlife resources cannot be accomplished until the impacts on the resources themselves have been identified. As indicated in the procedure manual, work packages 8 and 9 dealing with these topics will be performed in detail during Phase II.
- (2) We did deem it inappropriate that ADF&G, or any other permitting agency conduct the impact assessment and mitigation planning components of our study. To do otherwise would have compromised the legitimacy of agency objectivity during license review. However under all the components of our study we intend to provide a format for review and consideration of all potential concerns from appropriate State and Federal agencies

(3) Refer to response 1.

(4) Fish and wildlife mitigation is not considered as a socioeconomic component of our study but is addressed in detail under Subtasks 7:10 and 7:11 as indicated in the procedure manuals.

Subtask 7.06 Cultural Resources Investigation

Comment:

Although this study was not formatted or laid out in a way similar to the others the review comments indicate that the approach in the scope and methodology proposed is appropriate and sufficient for the task at hand.

Response:

No comment.

Subtask 7.07 Land Use Analysis

Comment 1:

- (a) The scope of the land use analysis needs to be expanded so that the downstream impacts all the way to salt water are adequately addressed.
- (b) As an example of a downstream impact which is not included but needs to be addressed is the issue of navigability on the Susitna River below the proposed dam.

Response:

- (a) As stated in our procedure manual our study area for land use is concentrated in the Upper Susitna Basin and extends downstream as far as Gold Creek. In our opinion the majority of land use impacts directly related to a Susitna development will occur in this area. Certain land use components outside this study area are being addressed as part of our socioeconomic, fisheries and wildlife studies.
- (b) As you are aware concern has been raised regarding recreational navigation, and riverine based recreational/land use activities in the section of the river between Talkeetna and Cook Inlet. We are in the process of assessing these concerns and foresee the possibility as an extension to our fisheries and hydrology studies a program to identify: 1) access to the river by water, air and land and 2) movement within the river itself. Any such study would provide input into the land use, recreation, socioeconomic and fish/wildlife resource utilization components of our study. The details of any such program modification will be submitted to the Steering committee for review as soon as available.

Comment 2:

There is no apparent linkage or coordination between the land use analysis and the socioeconomic and recreational studies.

Response:

There is a definite linkage and coordination between land use, socio-economic, recreation, hydrology, and fish and wildlife components of our study. Although this coordination exists at the study team level it is obvious that a lack of communication does exist between the study team and the resource agencies.

Throughout the remainder of the Susitna studies we will be exerting considerable effort to bridge this gap and will be soliciting your advice on means of establishing efficient avenues of communication.

Comment 3:

APA should seriously reconsider the decision that has been made to delay future land use analysis. The contractors state that data from other disciplines may be needed to "fine tune" this study. However, we can assume most of these values or issues and get on with one of the most critical studies that could provide data to be used in making the decision as to whether Susitna should be built or not. It is recommended that APA consider the use of scenarios to describe future land use with and without the project. A recommended way to begin addressing downstream impacts is to become informed about the work currently being done in this area by local, state, and federal agencies. This will help to eliminate any duplication of work. Once APA is aware of what studies agencies have done the APA contractors can be tasked to synthesize the existing studies and complete only additional studies needed to complete the scenarios.

Response:

We accept the Steering Committee's recommendation that we review and synthesize the information available from existing studies being conducted by local, state and federal agencies. This has been accomplished to some extent by our socioeconomic, land use and recreation consultants however, we will ensure, through additional contact, that all available information has been acquired. Once obtained we will assess the applicability of these studies to the Susitna Project, incorporate the information into our studies as appropriate and determine if additional studies during Phase II are required.

We do, however, identify the need for a recognition of the differences in objectives and scope between a Susitna Project Environmental Assessment study and studies conducted by agencies under their mandate of overall Susitna Basin Resource Management.

Subtask 7.08 Recreation Planning

Comments:

1. Scope of the recreation planning appears to be incomplete. The total thrust of the study appears to focus on recreational opportunities in the impoundment area with the obvious underlying assumption that Susitna

Dam will be built. What is absent is any sort of assessment of the proposed project impacts on existing recreation navigation and land use in the river valley above, within, and below the proposed project. There is no question that we have to carefully plan for reservoir recreation development assuming there is a project. It is also obvious that the compelling need that needs to be met today is a valid and accurate determination of existing recreational values so that this decision can be factored into the ultimate decision as to whether Susitna should be built or not. An equally important result would be identification of those values for mitigation which will be required if the project is built.

2. This study needs to include a documentation of the flowing water resources and uses that would be impacted by the project.
3. This study needs to document the existing upstream uses of Susitna.

Response:

We have made a clear distinction between 1) FERC requirements for the development of a recreation plan within the project boundaries and 2) an overall assessment of recreation resources and impacts on these resources.

Subtask 7:08 responds directly to FERC requirements and is directed towards a reservoir recreation plan that would be implemented if a Susitna development is approved. Thus the study focus is on recreational opportunities in the impoundment and surrounding area and does assume that the plan would only be implemented if the Susitna dam is built.

The assessment of existing ^{and planned} recreation resources ^{and programs} and the impacts upon them are addressed under appropriate subtasks, specifically 7:07 - Land Use Analysis and 7:05 Socioeconomic.

Subtask 7:10 Fish Ecology Impact Assessment and Mitigation Planning

Comment 1:

It is acknowledged that none of the reviewers had a comprehensive picture of how this task will be carried out. The reason is the Department of Fish and Game will be actually doing much of this work as a subcontractor to Acres American and has not had the staff or the resources necessary to put together its procedures manual for this facet of the work. The comments given below should be qualified with acknowledgment of this fact.

Response:

ADF&G have made substantial progress in their fisheries data collection program. The present emphasis is to establish the basis of their program and to implement the field studies. Following this, detailed procedure manuals will be prepared and should be available for Steering Committee review by April 1981.

Comment 2:

The contractors need to broaden their scope of mitigation concepts that are included in the studies. There are other options available for mitigation planning above and beyond what is included in the Procedures Manual as it is now written. I refer you to the detailed comments made by ADF&G.

Response:

We view mitigation planning as a dynamic process and are prepared to consider any additional options available. As a means of obtaining agency input and review we plan to establish a fisheries mitigation task force similar to that organized under Subtask 7.11.

Comment 3:

We recommend that an assessment of effectiveness of mitigation used on other projects to reduce impacts also be studied before we determine what sorts of mitigation techniques will be applied to the proposed Susitna project. The reason for recommending this is to enhance the probability that the mitigation we apply to the Susitna project will be successful.

Response:

The intent of our review and evaluation of mitigation measures used on other projects is to assess their effectiveness and to determine their applicability to the Susitna Project.

Comment 4:

Table 2 should be amended to identify the issue of the effect of the project on rearing, fish passage and egg incubation in the Susitna River from its mouth upstream to the proposed dam site.

Response:

It is our intent to address these issues and Table 2 will be amended accordingly.

Comment 5:

The mitigation alternatives should include a cost benefit analysis in Phase II.

Response:

The costs associated with recommended mitigation will be identified in Phase I with actual cost-benefit analysis considered in Phase II.

Comment 6:

There is a lack of adequate participation by resource management agencies in the impact assessment or mitigation planning as proposed in this Procedures Manual.

Response:

See response to comment 2.

Comment 7:

The water quality subtask within this study needs further review regarding the extent of data required and details about timing of the data collection.

Response:

R&M Consultants has prepared a Procedures Manual for the water quality program. Review of this document may provide the required details about timing and data collection.

Subtask 7.11 Wildlife Ecology

A. Big Game Assessment and Mitigation Planning

Comment 1:

This study does not describe the methodology that will be used for assessing impacts to be mitigated. The Procedures Manual discussion of formation of a mitigation team and a series of meetings and conferences as a methodology is inadequate.

Response:

The methodology for impact assessment and mitigation was not developed in detail because it was believed that a more effective program could be prepared following the collection of data in 1980. Rather than develop more than a general approach, it was considered to be preferable first to gain an understanding of the relative population levels of various species and also identify critical habitat types. In this manner a detailed approach to impact assessment and mitigation will be prepared based on at least a preliminary understanding of the wildlife/habitat relationships operative in the project area. The Procedures Manual will be amended as soon as approach details are finalized.

Comment 2:

The scope of mitigation concepts needs to be broadened in this study. The National Environmental Policy Act (NEPA) defines mitigation in five different ways:

- a. Avoiding impact all together by not taking a certain action...(or) parts of an action.
- b. Minimizing impacts by limiting the degree or magnitude of the action and its implementation.
- c. Rectifying the impact by repairing, rehabilitating, or restoring the...(affected) environment.
- d. Reducing or limiting the impact over time by preservation and maintenance operations during the life of the action.
- e. Compensating for the impact by replacing or providing substitute resources...(or) environments.

Since the Susitna project will be subject to an environmental impact statement the Alaska Power Authority should assure that the contractors preparing the application adequately address all aspects of mitigation in order that the submittal will be adequate for the E.I.S.

Response:

To date we have concentrated our mitigation efforts on approaches a) and b) (avoiding or minimizing impacts) through providing environmental input into development selection and preliminary design. This approach will be expanded to include approaches c, d and e following development selection.

B. Wildlife Ecology - Furbearers

Comment 1:

Scope of these studies needs to be extended to salt water. The reason is the proposed Susitna hydropower project will have impacts all the way to salt water.

Response:

The scope of the furbearer studies that concern aquatic furbearers (e.g. muskrats, beaver, and river otters) have already been extended on a limited basis downstream to the Delta Islands. At the present time there does not appear to be justification for extending the study effort any further downstream. Should the results of Phase I indicate that further extension is in order, it will be proposed for Phase II.

Comment 2:

This manual does not acknowledge the need for mitigation for these living resources. It is recommended that the Procedures Manual be revised to reflect the need for mitigation for furbearers.

Response:

Although mitigation was not mentioned in the Procedures Manual, it will certainly be addressed in the furbearer studies. In order to strengthen the interdisciplinary coordination concerning mitigation, the Principal Investigator of the furbearer studies has been added to the mitigation task force as described in the Big Game Procedures Manual.

Comment 3:

The manual describes surveys which will be done only in the winter. The seasonality of this approach will result in certain data biases and lack of data for the intervening months.

Response:

As indicated on page 12 of the Furbearer Procedures Manual, field activities will be conducted throughout the year and are not restricted to the winter months. Some of the survey activities that are being conducted during the non-winter months include locating fox dens, collecting furbearer scats, and monitoring of radio-collared animals.

Comment 4:

The studies state that radio collaring of animals will be done. How will the radio collar data be used?

Response:

Radio telemetry data will be used to determine the home range size of key furbearers. This information, in conjunction with the vegetation maps, will enable the generation of an estimate of how many animals the area can normally support. The radio telemetry data are also being used to determine seasonal distribution and habitat utilization of key furbearers.

Note Concerning Furbearer Procedures Manual:

Since it was impossible, prior to the initiation of these studies, to establish specific techniques that would be highly effective in sampling the furbearers, many of the techniques outlined in the Procedures Manual have been modified following the first field season. An amendment to the furbearer manual will be produced in spring, 1981, and will reflect the refined approach that is now being used.

C. Wildlife Ecology - Birds and Non-game Mammals

Comment 1:

The scope of these studies needs to extend to salt water.

Response:

At the present time, bird and non-game mammal studies are being conducted as far downstream as Sherman. With the exception of a bald eagle nest survey, there are no studies planned for this discipline downstream of Talkeetna. Insufficient data exist to support the conclusion that major terrestrial impacts will take place downstream from Talkeetna. At the present time, the expenditure of funds to study birds and non-game mammals in this area does not appear warranted. Should the results of the Phase I hydrology studies indicate that major changes in terrestrial habitat are likely to occur, an intensive Phase II program will be implemented.

Comment 2:

The Procedures Manual fails to acknowledge the need for mitigation of birds and non-game animals. It is recommended that the Procedures Manuals be revised to reflect this need.

Response:

Although mitigation was not mentioned in the Procedures Manual, it will certainly be addressed in the birds and non-game mammal studies. In order to strengthen the interdisciplinary coordination concerning mitigation, the Principal Investigator for bird and non-game mammal studies has been added to the mitigation task force as described in the Big Game Procedures Manual.

General Comments on Wildlife Ecology Procedures Manuals

Comment:

There is a compelling need to integrate the wildlife and the plant ecology studies so that the end results are meaningful and useful to the decisions which will be made. Each of these study elements should apply appropriate quantitative methodologies to evaluate animal habitats. The methodology used may depend on the characteristics of the species or group of species they are dealing with. Whatever method is adopted, it must be biologically justifiable and provide a relative estimate of the habitat value per area unit for the study area.

Response:

The assessment of impacts will be based to a very large degree on project-related disturbance of wildlife habitat. Although the inter-relationships between the plant ecology studies and the various wildlife studies were not emphasized in the Procedures Manuals, there has been, and will continue to be, a highly coordinated effort between Subtasks 7.11 and 7.12.

Subtask 7.12 Plant Ecology

Comment 1:

The scope of these studies needs to be expanded from the dam site all the way to salt water. The reason for this is that construction and operation of the dam will impact vegetation to that extent.

Response:

Under Phase I, the present intent is to extend certain of the plant ecology studies downstream to Delta Islands. The degree and extent of impact downstream, especially below Delta Islands, has not as yet been defined. The impact downstream will depend, to a considerable degree, on the facility design and hydrological information which is not currently available or not finalized. For this reason, it was initially decided that it would be best to wait until the extent of hydrologic impact is known below the Delta Islands, before specific vegetation studies are performed for this region. If studies are warranted below Delta Islands, then they would be proposed for Phase II.

Comment 2:

There needs to be a high level of integration and coordination between the plant ecology, hydrology, and the wildlife impact assessment studies. This is because a great part of the wildlife impact mitigation will be based on vegetation.

Response:

We agree that a high level of integration and coordination between the plant ecology, hydrology, and the wildlife impact assessment studies is needed. The need for this integration and coordination is stated in several places in the Plant Ecology Procedures Manual. There is a major section entitled "Input Required From Other Sources" in which subsections entitled "Hydrology" and "Wildlife Information" are included. The need for coordination among disciplines is also stated in several of the Wildlife Procedures Manuals and was discussed in detail under the response to the general comments under Subtask 7.11 Wildlife Ecology. In summary, we believe that the need for coordination has been recognized from the outset. We feel that we have fulfilled this need to date and plan to continue to do so throughout the study.

Comment 3:

The definition of wetlands used for classifying habitats should be compatible with data already collected in the Susitna Basin by the cooperative study underway with DNR, ADF&G, and SCS. We recommend that the classification system developed by the U.S. Fish and Wildlife Service and described in "Classification of Wetlands and Deep Water Service Habitats of the United States" (FWS/OBS79/31) be considered as the wetland classification for these studies.

Response:

The classification system developed by the USF&WS for wetlands and deepwater habitats will be used for the wetlands mapping effort. There has been some coordination with the SCS concerning wetlands and there are plans for additional coordination with ADF&G and DNR.

Subtask 7.14 Access Road Analysis

Comment 1:

The analysis of alternatives does not indicate whether stream crossings will be reviewed to determine extent of icing and adverse environmental impact as a result of crossing these streams. Stream crossing and structures should be designed to avoid creating icing and erosion problems.

Response:

Stream crossings are an important part of the access route environmental analysis and will definitely be considered in routing and later in impact and mitigation planning for the selected route. Included in impact assessment and mitigation planning will be analysis of designs to avoid potential ice dam problems during break-up, and associated erosion problems. Consideration will also be given to minimizing erosion problems. Consideration will also be given to minimizing impacts associated with actual construction of bridge facilities and culverts, i.e. habitat disturbance and erosion potential.

Comment 2:

This analysis should include assessing the effects of an increase in fishing due to newly opened road access as part of its scope of work.

Response:

The analysis will include assessing the effects of an increase in fishing due to newly opened road access. The potential impacts on the fish community and habitat from a biological standpoint will be addressed under Subtask 7.10, Fish Ecology Studies, and the recreational impacts or conditions resulting from increased access to this area will be handled under Subtask 7.07, Land Use Analysis. In like manner, other environmental subtasks (e.g. vegetation, cultural resources, wildlife) will deal with increased access as it affects these specific disciplines.

Comment 3:

There is an obvious linkage between access roads for this project and land use/fish and wildlife studies. Review of the manuals does not indicate that the appropriate process or mechanism is in place to see that this occurs.

Response:

Subtask 7.14 (Access Road Environmental Analysis) is essentially a coordination subtask for this specific project component since it has obviously far-reaching impacts. The Procedures Manual states that the actual analysis is to be done by Principal Investigators within each environmental subtask. A major coordination effort was felt to be necessary due to the interplay of roles between APA, Acres, R&M, TES, ADF&G and the various environmental subcontractors. To this end, correspondence exchange and maps and information exchange has occurred since April, 1980. In November, a meeting was held in Anchorage at which time representatives of APA, Acres, R&M, TES, ADF&G, and other environmental subcontractors discussed various alternative routes. Information exchange continues on a daily basis, and will continue through route selection and preparation of the FERC application.

General Comments

Comment:

It is the consensus of the Steering Committee that each study task Procedures Manual should include two maps:

1. A map that delineates the boundaries of the specific study tasks described in the respective manual.
2. A second map delineating the overall study area, i.e., from the mouth of the Susitna River to the Denali Highway.

Response:

1. Maps of specific study areas would certainly be useful. In several subtasks, part of the work performed during the first year was a determination of the appropriate study area. Such maps are thus planned for the 1980 Annual Reports and will be incorporated into the respective Procedures Manuals with the next required amendment to each manual.
2. A composite map showing the relationship of specific study areas will be presented in our summary annual report.

I. POPULATION

A. Population levels

1. Historical
2. Present
3. Projected
4. Component of Change (births, deaths,
in-out migration)

B. Ethnicity, Culture, Religion

C. Population Distribution (city, borough,
state) by:

1. Age
2. Sex
3. Race
4. Occupation (general)
5. Education
 - a. Retired, wage, salary
 - b. Sector, activity
 - c. Employment

D. Population Density

E. Family/Household Characteristics

1. Extent
2. Marital Status
3. Migration patterns
 - a. mobility/stability
 - b. point of origin
 - c. out/in migration
4. Length of Residence
 - a. in house
 - b. in community
 - c. in state
5. Place of work (commuting distance)

F. Attitudes Toward Change/Economic Development

G. Projections

¹ Each of these categories and variables will be addressed to the extent that data and information allow and to the extent that they are relevant for the purposes of this analysis.

III. HOUSING

A. Historical Info (growth rate)

B. Type

1. Single family
2. Multi-family
3. Mobile home
4. Recreation Facilities
5. Transient Facilities

* Variables to be considered for above

- a. number of units
- b. quality
- c. cost/prices
- d. vacancy rate

C. Vacancy Rate

D. Status

1. Renting
2. Buying
3. Own
4. Other

E. Land availability

F. Zoning/Building Regulations (& patterns)

G. Financial Climate (incentives/disincentives)

H. Real Estate Activity

1. Sales
2. Construction
3. Plans

I. Projections

IV. PUBLIC SERVICES & GOVERNMENT REVENUE

- A. Government Structure/Organization
 - 1. Towns
 - 2. Cities
 - 3. Boroughs
- B. Government Services
 - 1. Water Supply and Treatment
 - 2. Waste Water Treatment
 - 3. Solid Waste Disposal
 - 4. Police Protection
 - 5. Legal System (courts, retention facilities)
 - 6. Fire Protection
 - 7. Health Care (including Social Services)
 - 8. Parks and Recreation
 - 9. Libraries
 - 10. Education (day care, vocational, others)
 - 11. Public Transportation
 - 12. Roads and Highway System
 - 13. Telephone Service/Communication
 - 14. Electric Power Service

* Variables to be considered for above

- a. Service area
- b. Usage figures
- c. Deployment patterns (distances/response times)
- d. Capacity figures
- e. Condition/quality
- f. Relevant standards
- g. Occurrence rates
- h. Plans for expansion
- i. Government expenditures

C. Tax Base and Revenues

- 1. Taxes
 - a. personal
 - i. rates
 - ii. base
 - b. industry
 - i. rates
 - ii. base
 - c. Sales
 - i. rates
 - ii. base
 - d. other

IV. C. (cont.)

2. Other revenue sources
3. Government debt (borrowing capacity)

D. Projections

V. ECONOMIC BASE

- A. General Description (History and Area Trends)
 - B. Total Work Force
 - C. Employment Multiplier
 - D. Output Multiplier
 - E. Major Basic Industry Description
 - 1. Construction
 - 2. Mining
 - 3. Agriculture
 - 4. Timber and related products
 - 5. Manufacturing
 - 6. Fishery
 - 7. Oil and gas
 - 8. Transportation
 - i. Rail
 - ii. Air
 - iii. Motor transport
 - iv. Marine
 - 9. Public Utilities
 - 10. Communications
 - 11. Wholesale trade
 - 12. Retail trade
 - 13. Finance, insurance, real estate
 - 14. Services
 - 15. Public Administration (Federal, State, Local)
 - 16. Tourism
- * Variables to be considered for above
- a. history
 - b. statistics (present sales, prod., etc.)
 - c. employment
 - 1. labor force
 - 2. percent of total work force
 - 3. payroll
 - 4. average wage rate
 - d. resource base (land use)
 - e. service area
 - f. usage figures
 - g. capacity
 - h. condition/quality
 - i. product value
 - j. marketing patterns
 - k. relative to state and U.S.
 - l. future outlook

V. (cont.)

F. Conclusions

G. Projections

HUMAN RESOURCES (Labor & Income)

- A. Historical Labor Changes
- B. Employment
 - 1. Present Profile (employment by sector)
 - a. absolute
 - b. percentage
 - 2. Multipliers
 - a. basic industry to
 - b. export trade sector
 - c. services
 - 3. Length of work week
 - 4. Seasonality
- C. Occupational Staffing Patterns by
 - 1. Sector/Industry
 - 2. Ethnicity
 - 3. Sex
 - 4. Unemployment
 - 5. Percentage of work force
 - 6. Wages (selected occupations)
- D. Working Conditions and Absenteeism
- E. Union Presence
- F. Unemployment for Area
 - 1. Age
 - 2. Sex
 - 3. Race
- G. Income
 - 1. History
 - 2. Per Capita Income
 - a. General
 - b. Sex
 - c. Ethnicity
 - 3. Source
 - a. Wages/salaries
 - b. Social Security
 - 4. Subsistence income (moderate standard of living)
 - 5. Consumer Price Index (CPI)
- H. Projections

VII. LAND USE

- A. Historical/General
- B. Land Tenure (ownership)
- C. Existing
 - 1. Forestry
 - 2. Agriculture
 - 3. Mining
 - 4. Timber
 - 5. Native Lands
 - 6. Federal
 - 7. State
 - 8. Parks
 - 9. Oil and Gas
 - 10. Unexploited Natural Resources
 - 11. Industry/Commercial
 - 12. Urban
 - 13. Rural
 - 14. Residential
 - 15. Military
 - 16. Transportation

* Variables to be considered for above

- a. acres
- b. value
- c. ownership
- d. management plans
- e. historical trends
- f. percentage of total

- D. Population Density
- E. Land Use Plans and Control
 - 1. Public
 - 2. Private
 - 3. Municipalities
 - 4. Borough
 - 5. Flood plains
- F. Projections

VIII. RECREATION

A. Utilizing Fish & Wildlife Resources

1. Sport Fishery

a. All species

2. Wildlife

a. Caribou

b. Moose

c. Black Bear

d. Brown Bear

e. Mountain Goats

f. Sheep

g. Wolverine

i. Waterfowl, Birds

j. Other Furbearers

* Variables to be considered for above

1. Historical

2. Present

a. area (acres and location)

b. effort (visitor days/# of visitors) -

c. Success (harvest)

d. Resident (pt. of origin/% of total)

e. Non-Resident (gen. geo. pt. of origin/
% of total)

f. Species (stats relative to State)

g. Subsistence (personal consumption/
business)

h. Trophy

i. Management Plans

 i. Regulations

 ii. Revenues (total/relative to
state/flow of money)

 iii. Enforcement (ways/numbers/capacity)

B. Not Related to Fish & Wildlife Reserves

1. Water Sports (canoe, kayak, rafting)

a. Historical

b. Area

 1. effort

 2. resident/non-resident pt. of origin

2. Land Sports (hiking, picnicing, climbing)

a. Historical

b. Area

 1. effort

 2. resident/non-resident pt. of origin

C. Other

VIII. (cont.)

- D. Related Business
 - 1. Guides (#/\$)
 - 2. Air Taxi Operators (#/\$)
 - 3. Lodge Owners (#/\$)
 - 4. Land Owners (#)

E. Projections

STATE OF ALASKA

DEPT. OF ENVIRONMENTAL CONSERVATION

JAY S. HAMMOND, GOVERNOR

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March 2, 1981

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MARCH 11 1981
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333 West 4th Avenue, Suite 31
Anchorage, Alaska 99501

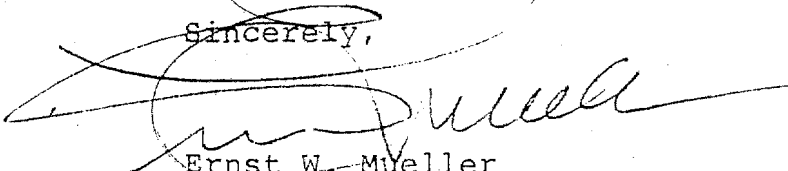
Dear Mr. Yould:

Your letter of January 2, 1981 proposes to expand the function of the Susitna Steering Committee from that of an advisory body to the study team to one of performing evaluations and structuring recommendations. I am happy to offer the resources of this agency to serve in that capacity to a reasonable extent.

It is not clear to us, however, precisely what may constitute "items requiring consultation," as the only substantive matters to come before the Steering Committee have been review of the field procedures manuals regarding Task 7 of the Plan of Study, and review of the preliminary screening of potential hydro sites. Apparently, a more direct link with the Power Authority is anticipated, rather than simply with the study team, since your letter indicates that Steering Committee recommendations will be considered by the Power Authority. We will look forward to additional information, at an appropriate time, concerning matters that may be brought before the Steering Committee, and the action requested of the committee.

Bob Martin will be the representative of this agency to the Steering Committee as of this date. Bob is the new supervisor of ADEC's Southcentral Regional Office. Bob will receive whatever support he needs from Dave Sturdevant, who has been our representative in the past and who will continue as Bob's alternate.

Sincerely,


Ernst W. Mueller
Commissioner

cc: Deena Henkins, EQM
Bob Martin, SCRO

STATE OF ALASKA

JAY S. HAMMOND, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF RESEARCH & DEVELOPMENT

323 E. 4TH AVENUE
ANCHORAGE, ALASKA 99501

279-5577

March 24, 1981

Eric Yould, Executive Director
Alaska Power Authority
333 W. 4th Avenue, Suite 31
Anchorage, AK 99501

RECEIVED
MAR 24 1981
ALASKA POWER AUTHORITY

Dear Mr. Yould:

The purpose of this letter is to call to your attention the lack of response from Alaska Power Authority (A.P.A.) to detailed review comments that the Susitna Hydro Steering Committee made on the Susitna Hydro Project plans of study. These comments and recommendations were transmitted in a letter dated November 21, 1980. I request a response from A.P.A. which identifies when the Steering Committee will have an opportunity to review the modifications that will be made in studies to meet the concerns that were raised in our November 21, 1980 letter. With the 1981 field season beginning very soon, changes in the plans of study will have to be accomplished quickly.

Sincerely yours,



Al Carson, Chairman
Susitna Hydro Steering Committee

cc: Susitna Hydro Steering Committee Members
R.E. LeResche
Reed Stoops

ALASKA POWER AUTHORITY

March 25, 1981

Mr. Al Carson
Chairman, Susitna Hydro
Steering Committee
Alaska Department of Natural Resources
323 East 4th Avenue
Anchorage, Alaska 99501

Dear Mr. Carson:

I regret that it has taken so long to react to the Steering Committee's suggestions on improving the Susitna hydroelectric project environmental plan of study. It took a number of months for Acres and its subcontractors to develop and transmit their set of responses and plan of action. The Power Authority received that transmittal on March 2, 1981. We have not been able to make any final decisions on scope changes, however, for two reasons. First, Acres has not yet provided the program modification suggestions in any detail of scope or cost. Secondly, the Power Authority has had to wait for other program components (such as Tasks 4 and 5) to be evaluated for necessary scope changes. It is only in reviewing the entire first year program that we can identify areas for improvement, assess their cost impact, evaluate their relative merit and established priorities among the myriad competing needs.

The Power Authority will have prepared its set of recommended scope changes and resultant supplementary budget request by April 3, 1981. It remains to be seen whether all, none or a portion of the supplemental funds will be forthcoming.

I have requested previously that you organize a Steering Committee meeting for either April 13, 14, or 15. At this meeting, we will present our proposed program modifications, which I trust you will find go a long way toward satisfying the Committee's concerns. In preparation for that meeting, I have attached a copy of the Acres response to the Steering Committee comments. The detailed recommendations, while not contained in the attachment, will be presented at the Steering Committee meeting.

Sincerely,

FOR THE EXECUTIVE DIRECTOR

Robert A. Mohn
Director of Engineering

Attachment: As stated

cc: Susitna Hydro Steering Committee Members
with attachment

STATE OF ALASKA

RECEIVED APR 6 1981

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF RESEARCH & DEVELOPMENT

JAY S. HAMMOND, GOVERNOR

323 E. 4TH AVENUE
ANCHORAGE, ALASKA 99501

279-5577

March 26, 1981

RECEIVED

MAR 27 1981

ALASKA POWER AUTHORITY

Eric Yould
Executive Director
Alaska Power Authority
333 West 4th, Suite 31
Anchorage, AK 99501

Dear Mr. Yould:

The purpose of this letter is to transmit to you the findings and recommendations of the Susitna Hydro Steering Committee in response to APA's request for input and recommendations on the selection of an access road to the Susitna Hydro Dam sites. On March 6, 1981, Alaska Power Authority staff, contractors and subcontractors provided several agency representatives with a briefing and a request for comments in order to make a determination for surface access to the dam sites. It was requested that our comments be provided to APA by March 23, 1981. As a result of comments and concerns expressed by agency representatives at the March 6 meeting, I agreed to convene the Susitna Hydro Steering Committee in order to identify and coordinate the concerns of those agency representatives regarding access to the Susitna Hydro sites. The Susitna Hydro Steering Committee met on Friday, March 20, 1981. We spent the afternoon discussing various issues and concerns surrounding access to the dam sites with the subcontractors to Acres American. As a result of these discussions and review of the pertinent documents, report studies, etc., the Susitna Hydro Steering Committee makes the following comments and recommendations:

1. The Steering Committee representatives recommend coordination between the decision about access road routes and transmission line routes. Until this issue was raised by a Steering Committee member at the March 20 meeting there had been little discussion. The documents reviewed indicate that this was not a criterion for establishing potential access routes.
2. There needs to be a systematic decision-making process explicitly laid out for determining an access route for the Susitna dams. This decision-making process should be straight forward so that agency participants can understand and effectively participate in establishing proposed access routes. There needs to be a broad range of criteria established for determining the acceptability or nonacceptability of various route alternatives. Information provided by Acres and their subcontractors to date indicates that

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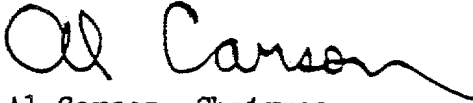
the criteria used to determine access roads were eight in number and are roadway and railroad technical design parameters exclusively. It is the recommendation of the Steering Committee members that there are numerous other criteria which are critical and need consideration along with the technical road and railroad design parameters. I would refer you to an attached document entitled "Suitability for Haul Roads" to give you an example of a more comprehensive lists of criteria that need to be incorporated in any decision with respect to access to the dam sites.

3. There needs to be a clearer explanation and understanding of the decisions regarding the timing of building access roads vs. FERC approval for the project. We were advised by subcontractors that the timing depends on which access mode and route is determined. The time of construction and design of these routes varies from one to three years. The agencies on the Steering Committee need to have a better understanding of how these facts and assumptions interrelate to each other in order to make informed recommendations to APA.
4. There are numerous specific decisions that will be required regardless of which access mode and route is ultimately determined the most appropriate. The location and development of these facilities could significantly affect the preference and recommendations from agencies. For example, identification of gravel sites, spoil sites, stream crossings, construction camp service and maintenance facilities will be needed. The members of the Susitna Hydro Steering Committee unanimously felt that it was important and necessary for APA to provide an understanding of how these decisions will be made and how a quality control system will be in effect to ensure that tasks are accomplished in accordance with approvals and designs.
5. The Susitna Hydro Steering Committee members in reviewing the March 6 and 20 meetings and discussing with subcontractors have determined that data gathering planned for this summer should be carried out on several access routes in order to make the final decision as to which one is most acceptable. To make a determination on a specific route with the lack of data/information that we are currently dealing with and then send researchers and data gatherers into the field this summer to gather site specific data on only one route is of questionable utility and logic. The primary reason why this is questionable is because unless comparable data on several of the prime routes is provided, the agencies will be unable to provide comments as to which route is most acceptable. In summary, we see the gathering and analysis of data on several proposed routes as the rational basis for making a determination as to which access route should be ultimately chosen.

In summary, the Steering Committee wishes to emphasize that it is willing and anxious to work cooperatively and expeditiously with APA in identifying and resolving the numerous questions which need to be

answered in order to make rational decisions with respect to access to Susitna Hydro sites. Once you and your staff have had an opportunity to review this letter, I would appreciate an opportunity to sit down and discuss the specifics of these comments in further detail.

Sincerely yours,

A handwritten signature in cursive script that reads "Al Carson". The signature is written in dark ink and is positioned above the typed name and title.

Al Carson, Chairman
Susitna Hydro Steering Committee

cc: Susitna Hydro Steering Committee Members
R. E. LeResche
Reed Stoops

ALASKA POWER AUTHORITY

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

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

April 8, 1981

Mr. Al Carson
Alaska Department of Natural Resources
323 E. 4th Avenue
Anchorage, Alaska 99501

Dear Al:

This letter is addressed to you in your capacity as Chairman of the Susitna Hydroelectric Steering Committee. I want to provide the Committee with some information, and solicit Committee approval of a recommendation.

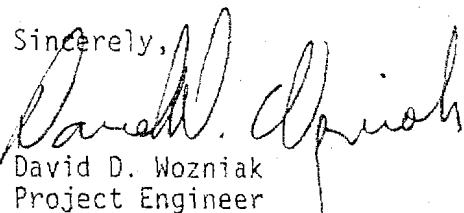
To recap some past events and discussions last year, a reassessment of the Steering Committee role was performed. A proposal to slightly alter the Committee charter emerged from that reassessment and was sent to a number of resource management agencies. Due to differences between the agencies, an abbreviated version was sent to some. Copies of both letters are attached.

Of 14 agencies contacted, 12 answered, 4 basically agreed with the proposal, 5 agreed with emphasis on the option to formally comment separately from the Steering Committee route, one posed an alternative, and two in essence abstained. From this, I conclude acceptability of the proposal to slightly alter the Steering Committee role. Now, to close the loop, I would like to ask the Committee proper to move to incorporate the change.

I would appreciate it if you would include this subject as an agenda item for the April 13, 1981 Committee meeting.

FOR THE EXECUTIVE DIRECTOR

Sincerely,


David D. Wozniak
Project Engineer

15 Attachments:

1. APA Letters (2)
2. Response Summary Sheet
3. Response Letters (12)

cc: Phil Hoover, Acres-Columbia w/attachments

AGENDA

Susitna Hydro Steering Committee Meeting

April 13, 1981

1. Response to November 1980 Steering Committee comments on Task 7 studies; APA, Acres, and subcontractors.
2. Response to March 26, 1981 Steering Committee comments to APA on access roads; APA, Acres, and subcontractors.
3. Role of Steering Committee; APA and committee members.
4. Alternative power study and Steering Committee; committee members.
5. Other items; committee members.

ALASKA POWER AUTHORITY

April 15, 1981

Mr. Bill Lawrence
Anchorage Operations Office
Environmental Protection Agency
710 C Street
Anchorage, Alaska 99510

Dear Mr. Lawrence:

Attached is a mid-point report on Susitna Hydroelectric Project. It is forwarded for your information in response to your earlier expression of interest within the context of the Susitna Hydroelectric Project Steering Committee.

I have asked Mr. Allan Carson, the Chairman of that committee, to forward meeting minutes to you and to ensure that you are advised of scheduled meetings.

Sincerely,

FOR THE EXECUTIVE DIRECTOR

David D. Mozniak
Project Engineer

Attachment: As noted

cc: Allan Carson w/o attachment

CONCUR:

DW
RAM

ALASKA POWER AUTHORITY

MEMORANDUM

TO: For the Record

DATE: May 1, 1981

FROM: David D. Wozniak *DW*

SUBJECT: Steering Committee Mailings

On April 23, 1981, copies of the APA mid-year report and the Plan of Study ^{STUDY} were hand carried to USGS and AEIDC. Copies of the mid-year report were earlier mailed to other members of the Steering Committee. With this action, all member of the Steering Committee either possess or have access to both documents.

ALASKA POWER AUTHORITY

April 15, 1981

Mr. Gary Stackhouse
U. S. Fish & Wildlife Service
1101 E. Tudor Road
Anchorage, Alaska 99501

Dear Gary:

Attached is a copy of our report to the Legislature as promised by me earlier this week. I am also sending a copy to Bruce Apple.

Bruce tells me he has a copy of the Plan of Study. Since these are an endangered species, I would appreciate it if you would share his copy as you structure your shopping list of areas of concern.

Sincerely,

FOR THE EXECUTIVE DIRECTOR

David D. Mozniak
Project Engineer

Attachment: As noted

CONCUR:

DW
RAM

ALASKA POWER AUTHORITY

April 15, 1981

Ms. Judy Schwartz
Environmental Evaluation Branch
Mail Stop 443
Region 10, EPA
1200 6th Avenue
Seattle, Washington 98101

Dear Ms. Schwartz:

Attached is a mid-point report on Susitna Hydroelectric Project. It is forwarded for your information in response to your earlier expression of interest within the context of the Susitna Hydroelectric Project Steering Committee.

I have asked Mr. Allan Carson, the Chairman of that committee, to forward meeting minutes to you and to ensure that you are advised of scheduled meetings.

Sincerely,

FOR THE EXECUTIVE DIRECTOR

David D. Wozniak
Project Engineer

Attachment: As noted

cc: Allan Carson w/o attachment

CONCUR:

DW
RAM

May 4, 1981
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Mr. Al Carson, Chairman
Susitna Hydro Steering Committee
Alaska Department of Natural Resources
323 East 4th Avenue
Anchorage, AK 99502

Dear Mr. Carson:

Susitna Hydroelectric Project
Access Road Studies

I acknowledge receipt of your letter of March 26, 1981, to Eric Yould, APA. Presently, I am in the process of reviewing your comments and recommendations. I appreciate the Steering Committee's willingness to work cooperatively with APA in identifying and resolving the numerous questions relating to access roads and other aspects of the Susitna studies.

We are presently developing a systematic decision-making process that can be utilized for access road selection and for other major decisions that will be made as part of the Susitna studies. The decision has been made to obtain air photos on all three major access corridors, thus, eliminating the necessity of an early decision for a preferred corridor.

Our decision as to which corridor or corridors will receive detailed study will not be made until we complete our evaluation of overall objectives, selection criteria, and data base. The Steering Committee will be given the opportunity to review our selection process and recommendations prior to us making a final decision.

Trusting this meets with your approval.

Sincerely,

Kevin R. Young

KRY:db

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF RESEARCH & DEVELOPMENT

JAY S. HAMMOND, GOVERNOR

323 E. 4TH AVENUE
ANCHORAGE, ALASKA 99501

279-5577

May 8, 1981

RECEIVED

MAY 14 1981

ALASKA POWER AUTHORITY

Eric Yould
Executive Director
Alaska Power Authority
333 W. 4th Avenue, Suite 31
Anchorage, AK 99501

Dear Eric:

The Susitna Hydro Steering Committee has reviewed the Alaska Power Authority's March 1981 Mid Report to Governor Hammond and the Alaska Legislature. Specific comments from the Steering Committee members regarding this report are provided below. In general, however, the Committee was disappointed that APA did not permit our review of this report prior to its circulation, as several members have discovered factual errors in several locations in the text, and most have reservations about conclusions reached by APA regarding environmental feasibility. Dave Wozniak has assured me that, in the future, the Steering Committee will be included as reviewers of all APA documents of this nature on the Susitna Project, and in particular I have been assured that the Steering Committee members will be provided an opportunity to comment upon the draft of the final feasibility report to the Governor and Legislature scheduled for March, 1982.

The following are specific comments on the 1981 Mid Report:

1. There appears to be a great deal of misunderstanding on the part of the External Review Panel (and perhaps others associated with this project) regarding both the scope and the completion date for the feasibility studies. The feasibility studies currently underway will not, as we understand it, terminate in mid-1982 when the Application for License is filed with FERC (assuming the decision is made to file). Feasibility studies will in fact continue for several more years in order to gather sufficient environmental or other information with which a reasoned decision can finally be made whether or not to construct (FERC staff alone will require a great deal more information than will be available in 1982 with which they can prepare a draft environmental impact statement). The March 20, 1981 letter signed by five members of the External Review Panel refers to "...feasibility studies... completion in April, 1982" and "...present studies, supplemented by appropriate additional investigations, to their 1982 completion date." While "Phase I" may end in 1982, "Phase

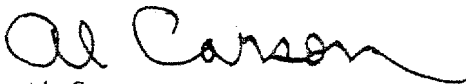
II" will continue for several more years, as we perceive it. We suggest you make this point clear both with the External Review Panel and with the Governor and Legislature. We also suggest that, via your public participation activities, the public be fully and accurately informed about the length of time required to (a) determine whether or not to apply for a FERC license, (b) finally determine project feasibility, and (c) obtain a FERC license and actually begin construction.

2. The Steering Committee is of the opinion that the report is too much of a "sales document" rather than a balanced assessment of what is known to date regarding Susitna feasibility. For example, it is stated on page 7-6 "whether positive or negative the overall change in the Cook Inlet salmon fishery will probably be slight." Recognizing the paucity of supporting data the committee feels this conclusion, and others like it in the Environmental Implications chapter, are premature.
3. Individual Steering Committee members have found technical errors in various places in this report. Rather than enumerate these detailed comments at this time, you may expect comments from individual Steering Committee members or their agencies in the near future.

Finally, I have been informed that the External Review Panel plans to convene in Alaska in the near future. I request an opportunity for the Steering Committee to meet with the Panel, perhaps when they are briefed on this year's field studies. Also, in order to keep members of this External Review Panel apprised of future Steering Committee concerns and technical comments on the Susitna studies, we feel it appropriate to circulate to Panel members letters, memoranda, etc. generated from the Steering Committee. We believe the Panel members would benefit from Steering Committee comments, particularly since they might not otherwise have an opportunity to gain insights into state and federal agency scientific/technical, regulatory, and public interest concerns.

I hope you find these comments constructive. We will provide Mr. Wozniak a detailed outline of steering committee interests and concerns regarding the Plan of Study at our May 28 meeting.

Sincerely,



Al Carson
Chairman

cc: Dave Wozniak
Steering Committee Members

ALASKA POWER AUTHORITY

June 2, 1981

Mr. Al Carson
Chairman
Susitna Hydroelectric Steering
Committee
Department of Natural Resources
323 E. 4th Avenue
Anchorage, Alaska 99501

Dear Al:

Thank you for your letter dated May 8, 1981 concerning the 1981 Mid Report and associated matters. Regretfully, heavy travel commitments within the office have slowed this response somewhat. Nonetheless, it is important that the points raised by your letter be addressed.

Our current schedule calls for the publishing of a very well developed draft of the final feasibility study report by March 15, 1982. I reaffirm our commitment to provide this draft to you and fellow members of the Steering Committee for review. I think there is some confusion, however, concerning other documents to be reviewed. In principle, the Power Authority welcomes the Steering Committee review of our various efforts. Unfortunately, we have not yet agreed as to the items worthy of Steering Committee review. As I have noted to you on several occasions, we would like to interact with the Committee rather than continue the intermittent, somewhat adversary contacts that have characterized our past discussions. If we are to be truly interactive, your contribution to defining the areas of interaction is essential. To that objective, let me repeat my suggestion that the Steering Committee, utilizing the Plan of Study as its guideline, identify specific areas and/or events and the associated degree of depth with which they wish to be involved. Given a clear understanding of expected areas of interaction, the problem of Steering Committee review or nonreview of the Mid Report might not have occurred.

Insofar as future project milestones are concerned, the effort currently in progress, variously called "Feasibility Study" and/or "Phase I", has as major objectives, determining the technical and economic feasibility of the proposal, and, if feasible, generating the data necessary for a Federal Energy Regulatory Commission (FERC) license application. This step is bounded by a Power Authority contract with Acres American, Inc., a contract which terminates in mid-1982. That date is consistent with a

legislatively mandated Power Authority recommendation to the Governor and Legislature by April, 1982 on project continuation or abandonment. The underlying assumption is that sufficient information will be available by that time to make a reasoned and reasonable judgment on whether or not to submit the license application. (Please note that this is not a decision to "build" or "not build", a point I will address further on.) Strictly speaking then, the "Feasibility Study" will in fact terminate in mid-1982, by virtue of the contract terminating.

If the mid-1982 decision is to continue with the Susitna Hydroelectric Project proposal, we will enter a period frequently referred to as Phase II. It would be characterized by submittal of the FERC license application, commencement of detailed engineering development, and continuance of a substantial amount of investigations of the project area, including such subjects as fish resources. By mid-1984, it is anticipated the license application, as supplemented and modified by the continuing investigations, will be approved. Given FERC approval (and a number of other, lesser regulatory approvals), the question of build or not build will then be referred to the State government, where a decision on construction will emerge through the political process.

Recent discussions with the External Review Panel suggests that they are very clear on this sequence of events, and this same concept, (although worded slightly differently) was advanced in the Mid Report. Accordingly, I must conclude that both the panel and the public have been fully and accurately informed about the project flow. Certainly, there was no intent to be anything less than accurate, and intimations to that effect warrant strong objection.

I regret your letter arrived too late to accommodate a joint convening of the Steering Committee and the External Review Panel. As a partial accommodation to your request for such a joint convening, please let me note that the meetings of June 3-5, 1981 are open to the public, and members of the Steering Committee are more than welcome to observe the proceedings. (The Committee was made aware of this last week.) We agree with your suggestion that the External Review Panel be kept apprised of Steering Committee concerns and technical comments, and have no objection whatsoever to circulating letters, memoranda, etc., generated by the Steering Committee. However, a review of such material indicates the only data generated by the committee to date are comments to the procedures manuals, a letter concerning the access proposals, and your May 8, 1981 letter. Finally, with respect to a joint convening, we are certainly agreeable. I think we need further discussion to define format and attendance; for example, I am not sure that our geotechnical representative would gain greatly from comments advanced by the natural sciences community. Perhaps we will want to focus our efforts on the environmental representative, Dr. Leopold. Further, to be efficient (substantial expense is involved in bringing the

ALASKA POWER AUTHORITY

panel members to Alaska and paying their per diem) as well as professional. I am sure you will want to give some thought to the structuring and content of your formal presentations. I would welcome continued dialogue on this subject.

Sincerely,

David D. Wozniak
Project Manager

CONCUR: RAM
EPY

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF RESEARCH & DEVELOPMENT

JAY S. HAMMOND, GOVERNOR

323 E. 4TH AVENUE
ANCHORAGE, ALASKA 99501

279-5577

RECEIVED

JUN-9 1981

June 5, 1981

ALASKA POWER AUTHORITY

Eric Yould
Executive Director
Alaska Power Authority
333 W. 4th Avenue, Suite 31
Anchorage, AK 99501

Dear Mr. Yould:

The purpose of this letter is to transmit to you a proposed revision in your June 3, 1980 letter stating the role and objectives of the Susitna Hydro Steering Committee. The Steering Committee members feel the following more accurately describes the role and function of the Committee.

"The Alaska Power Authority through its consultant, Acres American Incorporated, is carrying out a 30-month feasibility study of the proposed Susitna Hydroelectric Project. Because of the magnitude of this study, effective interagency coordination will be best accomplished through formation of a Susitna Hydroelectric Steering Committee. The function of this committee would be to provide coordinated exchanges of information between the Alaska Power Authority and interested resource management agencies. Through this exchange, the concerns of all agencies involved would be identified early and hopefully prevent unnecessary delays in the progress of these feasibility study, application for the Federal Energy Regulatory Commission license to construct, and Environmental Impact Statement review.

As proposed, the Steering Committee would be composed of representatives of resource agencies with responsibilities pertaining to the Susitna Hydroelectric Feasibility Studies and/or the project's environmental consequences. We therefore invite your agency's participation.

The committee would provide for interagency coordination through joint review of project related materials and development of more informed and uniform positions representing all resource interests. We believe this will provide a more efficient process of information exchange.

Proposed objectives for this committee are to:

1. Review and comment on study approaches throughout each phase of the planning process;

June 5, 1981

2. Provide a forum for continued project review of all aspects of the studies, for a timely exchange of information, and for recommendation of study redirection, should the accomplishment of specific objectives be in jeopardy;
3. Comment on compliance of the studies with state and federal laws, regulations, Executives Orders, and mandates as they apply to fish and wildlife resources; and
4. Provide unified steering committee comments to the Power Authority.

Should your agency elect to participate in the committee, we recommend that your representative have a technical background enabling him to comment on the adequacy and approach of ongoing and future feasibility studies, and be able to speak knowledgeably on the policies and procedures of your agency with respect to the review of the Federal Energy Regulatory Commission license application for the project and the subsequent Environmental Statement (ES)."

If you have comments or suggestions concerning these proposed revisions, please advise.

Sincerely,



Al Carson
Chairman
Susitna Hydro Steering Committee

cc: Steering Committee

ALASKA POWER AUTHORITY

June 18, 1981

Dear Susitna Hydro Steering Committee Member:

Enclosed is a copy of the Draft Development Selection Report for the proposed Susitna Hydroelectric Project. The primary purpose of the studies summarized in the report was to formulate the optimal Susitna Basin plan of development. Acres has concluded that the Watana-Devil Canyon two-dam plan is the preferred approach for developing the basin's hydroelectric potential. Further, Acres recommends that planning and engineering studies be continued on this two-dam development concept.

We are soliciting your comments on the evaluation process used by Acres, on their delineation of relative plan impacts, and on their conclusion that the Watana-Devil Canyon plan is the preferred basin alternative. The parts of the report addressing economic comparisons with a thermal plan are not pertinent to the formulation of an optimal basin plan, and they can be ignored for the time being. The issue of economic feasibility will be addressed more comprehensively in the draft feasibility report scheduled for March 1982 and in the Battelle work.

The Power Authority places a high value on the Steering Committee input. Please take the time to review this very crucial and significant report, and provide us with your comments. Ideally, there will be a committee meeting in July wherein unified committee comments can be formally transmitted. However, if a meeting doesn't materialize, comments by August 3, 1981 are solicited.

Sincerely,

David D. Wozniak
Project Engineer

Enclosure: as noted

cc: Ward Swift, Battelle (w/attach)
Phil Hoover, Acres, Columbia (w/o attach)
John Lawrence, Acres, Buffalo (w/o attach)

MFR: Same letter sent to attached list

ALASKA POWER AUTHORITY

SUSITNA HYDRO STEERING COMMITTEE

Bob Lamke
U. S. Geological Survey
Water Resources
733 W. 4th Avenue, Suite 400
Anchorage, Alaska 99501

271-4138

John Rego
Bureau of Land Management
Anchorage District Office
4700 E. 72nd Avenue
Anchorage, Alaska 99502

344-9661

Brad Smith
National Marine Fisheries Studies
701 "C" Street, Box 43
Anchorage, Alaska 99513

271-5006

William J. Wilson
Arctic Environmental Information &
Data Center, (U of A)
707 A Street
Anchorage, Alaska 99501

279-4523

Al Carson
State of Alaska
Department of Natural Resources
323 E. 4th Avenue
Anchorage, Alaska 99501

279-5577

Tom Trent
Alaska Department of Fish and Game
2207 Spenard Road
Anchorage, Alaska 99503

274-7583

Larry Wright
Heritage Conservation and
Recreation Service
1011 E. Tudor Road, Suite 297
Anchorage, Alaska 99503

276-1666

Lenny Corin
U. S. Fish and Wildlife Service
733 W. 4th Avenue, Suite 101
Anchorage, Alaska 99501

271-4575

Gary Stackhouse
U. S. Fish & Wildlife Service
1011 E. Tudor Road
Anchorage, Alaska 99501

276-3800

Bob Martin
Department of Environmental
Conservation
437 E Street
Anchorage, Alaska 99501

274-2533

Mr. Bill Lawrence
Anchorage Operations Office
Environmental Protection Agency
701 C Street
Anchorage, Alaska 99513

271-5083

Judy Schwarz
Environmental Evaluation Branch
Mail Stop 443
Region X, EPA
1200 6th Avenue
Seattle, Washington 98101

(206) 442-1285

ALASKA POWER AUTHORITY

June 18, 1981

Al Carson, Chairman
Susitna Hydro Steering Committee
Department of Natural Resources
Division of Research & Development
323 E. 4th Avenue
Anchorage, Alaska 99501

Dear Al:

The wording of the proposed revision to the Susitna Hydro Steering Committee role and objectives advanced in your letter of June 5, 1981 is fine. I would now like to see it formally adopted by the Steering Committee. Subsequently, I will "close the loop" with the various agencies originally involved by issuing to them the revised wording.

On a related issue, more work needs to be done by the committee on its composition. Not only is it cumbersome to have a large inactive membership, that sort of situation has a high potential for errors of omission and embarrassment. I again urge a consensus on establishment of an active membership, plus some accommodation for the inactive members.

Sincerely,

David D. Wozniak
Project Engineer

(1) Attachment:

Al Carson letter, June 5, 1981

cc: Phil Hoover Acres/Columbia (w/attach)
Kevin Young Acres/Buffalo (w/attach)

CONCUR: RAM

ALASKA POWER AUTHORITY

July 28, 1981

Mr. Bob Lamke
U. S. Geological Survey
Water Resources
733 W. 4th Avenue, Suite 400
Anchorage, Alaska 99501

Dear Mr. Lamke:

It would appear that we will not have a formal Susitna Hydroelectric Steering Committee meeting prior to August 3, 1981, the target date for your comments on the Development Selection Report (my letter of June 18, 1981, copy attached). Accordingly, I would very much appreciate it if you would send me your comments by August 7, 1981 at the latest.

Sincerely,

FOR THE EXECUTIVE DIRECTOR

David D. Wozniak
Project Engineer

Attachment: as noted

MEMORANDUM

State of Alaska

TO: Dave Wozniak
Project Engineer
Alaska Power Authority
333 W. 4th Avenue, Suite 31
Anchorage, Alaska 99501

DATE July 29, 1981

FILE NO 02-I-81-ADF&G-7.0
02-V-Acres-1.0

TELEPHONE NO:

FROM: Thomas W. Trent
Aquatic Studies Coordinator
Su Hydro Aquatic Studies
Anchorage

RECEIVED SUBJECT: Review of Draft
Development Selection
Report - Su Hydro
Project

ALASKA POWER AUTHORITY

I've reviewed the draft Development Selection Report for the Susitna Hydroelectric Project and my comments are as follows:

Page 1-4 (g) Task 7 - Environmental Studies

Comment: I recommend the words in the last sentence i.e., large game be changed to big game.

Page 8-26 Environmental Comparison - 2nd paragraph - a statement regarding enhancement potential for anadromous fish and, the statement on page 8-27 Environmental Comparison, 2nd paragraph.

Comment: A general observation addressed to these specific sections, is that development of the environmental comparisons has undoubtedly been a subjective process. The statements made really don't provide any detailing of the hows, whys, and rationale for the conclusions drawn. I believe we can accept a subjective process for evaluating the environmental merits or deficiencies of a particular dam scheme, but it would have been a helpful process for Acres to involve ADF&G, USFWS and others in such an analysis to discuss alternative positive/negative impact possibilities. I think this would have led to a healthy exchange of ideas. The exposure of the fish and wildlife or other resource agencies to the same design or operational schemes laid out to the Acres environmental review team may have led to conclusions which were the same or potentially quite different from the Acres analysis of the situation.

To sum up, we can't argue with Acres report since we don't know the background information used to support their rationalizations or the experience of the individuals involved in the report preparation that drew the conclusions on fisheries.

cc: S. Zrake - DEC
B. Wilson - AEIDC
G. Stackhouse - USFWS
R. Lamke - USGS
A. Carson - ADNRR



UNIVERSITY OF ALASKA

RECEIVED

August 4, 1981

AUG 5 1981

ALASKA POWER AUTHORITY

Dave Wozniak
Alaska Power Authority
333 W. 4th Avenue, Suite 31
Anchorage, AK 99501

Dear Dave:

Per your request to the members of the Susitna Steering Committee, I have quickly reviewed the Development Selection Report prepared by Acres. In general I found it logical in approach and complete in regards to the relevant factors one should evaluate when reducing multiple options.

I have only the following specific comments:

1. The location and environmental effects of developing borrow material sites is not well documented and incorporated into the first part of the report. Enormous quantities would be required for most of the dams, and the removal, stockpiling, and transport of this material could be a significant factor influencing the decision-making process.
2. Significant efforts are currently being expended in environmental study of this region, the results of which are not yet available. Factoring this new knowledge into the decision-making process could have influenced the nature of the final scheme; or is the current environmental study effort geared only toward the effects of the "selected plan (page 9-1)" and not for input to the overall selection process? In general I found the environmental effects of the alternative options addressed very superficially.

I hope my comments are of interest.

Sincerely,

A handwritten signature in dark ink, appearing to read "William J. Wilson".

William J. Wilson
Supervisor, Resource and Science
Services Division
Senior Research Analyst in Fisheries

WJW/g

cc: Al Carson

STATE OF ALASKA

437 E Street
Second Floor
Anchorage, AK 99501

DEPT. OF ENVIRONMENTAL CONSERVATION

SOUTHCENTRAL REGIONAL OFFICE

P.O. Box 1207
Soldotna, Alaska 99689
(907) 262 5210

P.O. Box 1064
Wasilla, Alaska 99687
(907) 376-5038

RECEIVED

1981

August 14, 1981

ALASKA POWER AUTHORITY

Dave Wozniak
Project Engineer
Alaska Power Authority
333 W. 4th Avenue, Suite 31
Anchorage, Alaska 99501

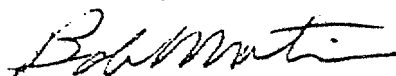
Dear Mr. Wozniak:

We have reviewed sections 7 and 8 of the Susitna Hydroelectric Project Development Selection Report (second draft June 1981). We find that the plan selection methodology used in section 8 meets the objectives of determining an optimum Susitna Basin Development Plan and of making a preliminary assessment of a selected plan by an alternatives comparison. The increased emphasis over previous analyses of the environmental acceptability of the alternatives is good.

At this time, this Department does not endorse any particular plan. We would, however, recommend the Steering Committee openly discuss the Watana Dam - Tunnel option because of its reduced environmental and aesthetic impact.

Thank you for the opportunity to review this document. We appreciate your effort in soliciting Su-Hydro Steering Committee involvement. If you have any questions regarding these comments please contact Steven Zrake of this office.

Sincerely,



Bob Martin
Regional Environmental Supervisor

cc: Steve Zrake
Dave Studevant
Al Carson - DNR

BM/SZ/mn

100-443887-100

UNITED STATES DEPARTMENT OF JUSTICE

1015 5TH AVENUE
ANCHORAGE, ALASKA 99501
763-255

COPIES

RESEARCH

THE UNIVERSITY OF CHICAGO

The purpose of this letter is to transmit to the Alaska Power Authority (APA) comments from the Susitna Hydroelectric Steering Committee (SHSC) concerning APA's proposals for access to the proposed Susitna River dam sites. These comments are in response to information provided the SHSC from two access route meetings with APA and their contractors and the documents prepared by APA contractors and distributed during these meetings. At the October 20, 1981 meeting APA requested SHSC comments by November 5, 1981. The SHSC appreciates the fact that APA continued detailed consideration and studies of several access route options this year rather than focusing on a single route.

The SHSC review identified four areas of concern that ~~were~~ were commented on. Those four are:

1. A critique of the studies of access routes which provide for construction of the dams.
2. The relationship between timing of access route construction and Federal Energy Regulatory Commission (FERC) approval for dams.
3. The relationship of access route decision and modes of access to regional land use management policies.
4. The issues resultant from land status and land ownership affecting the proposed project.

The assessment of corridor route alternatives should more adequately weigh the potential impacts of borrow sites and access to these sites, and transmission line(s) routing. Access corridors which serve a dual, or triple, purpose in regard to these other project access needs would be highly desirable from a decision-making criteria.

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The access preferences expressed below pertain to the general locations cited for the corridors and are based upon the environmental data and conclusions contained within the environmental documents prepared for Subtask 2.10. Access Road Assessment. It does not represent our endorsement of a particular 1-mile-wide corridor, as presented.

The SHSC agrees with the Terrestrial Environmental Specialists, Inc. position that access via the Alaska Railroad to Gold Creek is environmentally preferable. Railroad access to at least Devil Canyon would alleviate the need for a staging area at Gold Creek and the consequent human activity, land use, fuel spills, and other impacts on the Gold Creek area. We recognized that a staging area at Devil Canyon would be required in any case. The use of this area as the terminus of a railroad appears to make a great deal of sense. Additionally, we feel that the south side route from Gold Creek to Devil Canyon is preferable since a trail already exists there. From Devil Canyon to Katana, we prefer a route on the north side of the Susitna River. At the October 20, 1981 meeting the SHSC was informed by Mr. David Wozniak of APA that there were two (2) additional railroad route/mode options (a total of 10). If feasible we generally prefer a rail mode of access to and within the project site.

The SHSC identified three (3) environmentally sensitive areas that should be avoided. Those are:

1. The routes from the Denali Highway.
2. The route crossing the Indian River and through wetlands to the Parks Highway.
3. The route on the south side of the Susitna River from Devils Canyon to the proposed Katana dam site.

In evaluating the access route selection process undertaken by the APA and its contractors, the Steering Committee questions the validity of the power-on-line in 1993 assumption/mandate. The "We've got to hurry up and put in a road to meet the 1993 deadline" approach appears, from currently available reports and the briefings received by the Susitna Hydroelectric Steering Committee on October 20, 1981, to point toward the necessity of a pioneer road constructed before a FERC license is granted, or selection of an apparently environmentally unacceptable Denali Highway access route.

Local utilities are not approaching construction of a project the magnitude of Susitna in 1993 as a foregone conclusion and are making contingency plans to meet projected power needs. Gas and coal generated power options are being examined. In addition, feasibility studies are currently being undertaken by the U.S. Army Corps of Engineers and the APA at numerous potential hydroelectric generating sites. The Sattelle Railbelt Electric Power Alternative Study should provide insight into additional power generation options. As such, we believe that the 1993 "deadline" for power-on-line from Susitna may not be that firm and imperative. Thus the SHSC does not believe the 1993 deadline should constrain the overall decision-making process and the orderly progress of various studies on project feasibility and environmental impacts. Permitting and resource agencies, including FERC, should be expected to link a pioneer road to the overall project.

Public access to the dam sites and through the Upper Susitna Valley is complex and a controversial subject and we believe this issue should be given thorough evaluation in the route selection process. How construction-related access is obtained to a great extent determines the project-related wildlife and socioeconomic impacts. The APA has been soliciting the views of local residents (Talkeetna, Trapper Creek, etc.) in regard to the access question. The majority of residents want to minimize impacts to both their community and the Upper Susitna Valley. The APA has solicited the views of the state and federal resource agencies. It has been the predominant view of these agencies, which represent public interests on a state or national level, that project-related wildlife impacts should be limited to the ~~maximum~~ extent practicable. In addition, the APA has expressed the desire to maximize the options for future public access. We believe that these views mesh. Minimizing impacts and maximizing options for future public access can be achieved by mimicking, to the extent possible, the status quo. For example, to provide full public access through a road system, forecloses the future option of maintaining the existing character of the Upper Susitna Valley.

Use of rail as the access mode increases the potential for management and control of socioeconomic and environmental impacts. Maximized rail use provides for the following advantages over road access:

1. Maintains a maximum range of future decision options.
2. Provides for control of worker impacts on local communities and wildlife.
3. Decreases the potential of hazardous material spills due to adverse weather conditions and multiple handling.
4. Disturbance to wildlife adjacent to the route can be more easily controlled.
5. Direct access right-of-way related habitat losses can be significantly limited.

Briefly the land status of the project area has not changed significantly within the last year. There are several complex problems concerning land status that have been brought to your attention by BLM.

Thank you for the opportunity to review and comment on the Access Road Assessment documents. We look forward to receiving the final version of these documents after November 15, 1981, and anticipate providing additional recommendations into this decision-making process.

Sincerely,



Al Carson, Chairman
Susitna Hydroelectric
Steering Committee

cc: D. Wozniak, APA
Steering Committee Members
R. Stoops

AGENDA

SUSITNA HYDROELECTRIC STEERING COMMITTEE

Date: December 2, 1981

Time: 1:00 p.m.

Place: Alaska Department of Natural Resources Conference Room

1. 1:00 - 2:30 p.m. S.H.S.C. response to ACRES request for formal agency comments on elements of Susitna hydroelectric proposal. SHSC and D. Wozniak, A.P.A.
2. 2:45 - 3:30 p.m. S.H.S.C. response to information request from Birch, Norton, Bittner, and Monroe. SHSC and J. Lowenfels.
3. 3:30 - 4:00 p.m. Other SHSC business.

STATE OF ALASKA

JAY S. HAMMOND, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF RESEARCH & DEVELOPMENT

323 E. 4TH AVENUE
ANCHORAGE, ALASKA 99501

December 9, 1981

DEC 11 1981

Mr. David Wozniak
Alaska Power Authority
334 West 5th Avenue, 2nd Floor
Anchorage, Alaska 99501

ALASKA POWER AUTHORITY

Dear Mr. Wozniak:

The Susitna Hydroelectric Steering Committee (SHSC) would like to receive additional information from your office regarding the status and progress of the Mitigation Task Force. As you know, preparation of an adequate Federal Energy Regulatory Commission (FERC) license application requires that Exhibit E identify the proposed measures to mitigate impacts or to protect and enhance the resources. We believe coordination of this vital study item should occur early and on a continuing basis. I am aware that the APA has also recognized this need by creating two Mitigation Task Force core groups composed of principal investigators and a Mitigation Review Committee composed of representatives of various concerned agencies. While several members of the Review Committee sit on the SHSC, they have received no information on the progress of either core group. Additionally, the Fish and Wildlife Mitigation Policy recently developed by APA for the Susitna Hydroelectric Project stresses the need for close coordination. Although no time schedule is established in this mitigation plan, it is obvious that steps 1 and 2 (identification of impacts, ranking of impacts and identification and review of mitigative alternatives) should be substantially completed by now if step 3 (development of an acceptable mitigation plan) is to be achieved by the March 15, 1982 draft feasibility report deadline.

Therefore, I am requesting that you provide any applicable information regarding the Mitigation Task Force groups and their progress to date. The minutes from past meetings would be particularly helpful here. As the SHSC is eager to discuss these concerns, I believe a short briefing may be most effective. I will be contacting you to arrange for such a meeting, hopefully during the week of 12/13/81.

Sincerely,



Al Carson
Chairman, Susitna Hydroelectric Steering Committee

AC:db

cc: Steering Committee
R. Stoops
Quentin Edson, F.E.R.C.

ALASKA POWER AUTHORITY

334 WEST 5th AVENUE - ANCHORAGE, ALASKA 99501

Phone: (907) 277-7641
(907) 276-0001

December 10, 1981

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DEC 14 1981

AGREB AMERICAN INCORPORATED

Mr. Al Carson
Alaska Department of
Natural Resources
Research and Development
555 Cordova
Anchorage, Alaska 99501

Dear Al:

In late November, 1981 you approached me with some concerns relative our on-going effort to solicit formal coordination on various aspects of the Susitna Hydroelectric Project. This led to a series of meetings between ourselves and the Susitna Hydroelectric Project Steering Committee. To broadly summarize those events:

1. Acres American Incorporated, acting for the Power Authority, has commenced circulation for formal coordination certain building blocks of the studies that will form the basis for a project licensing recommendation.
2. In most instances the agency heads (addressees of the formal requests for coordination) referred the request to staff for analysis. Almost without exception the staff involved also had been serving on the Susitna Hydroelectric Project Steering Committee. Largely due to this relationship, the individual agency staff members elected to use the Steering Committee structure as a vehicle to discuss their formal coordination concerns. As a result of multiple interactions between the Steering Committee and the Power Authority, a number of issues have been clarified and options for agency response to the Acres request for formal coordination have been identified.

The Steering Committee has summarized its concerns as follows:

1. In some cases, the documentation of field study results is not available coincident with the request for agency comment on aspects of the project.
2. There has been no decision made yet by the Power Authority, the State legislature and the administration as to whether there will be an application to the FERC for the construction of the project.

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Mr. Al Carson
December 10, 1981
Page 2

3. Some of the agencies are concerned about responding to bits and pieces of the proposed project without being able to evaluate the entire proposal.

To clarify the Power Authority intentions relative the request for formal coordination, it is appropriate to look to basic intentions and objectives. The present and proposed FERC regulations clearly encourage pre-application coordination; First, to assure that the project planning process has taken into account policies and guidelines of local, state and federal agencies, and second, to assure that the applicant has solicited agency comments and concerns and has attempted to address them. Specifically, the proposed FERC regulations (anticipated to be in effect by time of license application, July 1, 1982) require a request for formal coordination from agencies, provision of up to of sixty (60) days response time to those agencies, and inclusion of applicant response to agency formal comments in the license application. Therefore, one major purpose for the request currently circulating is to comply with FERC regulations.

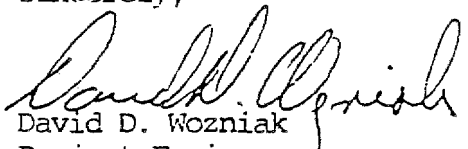
The Power Authority is anxious to accommodate agencies and the Steering Committee in the decision process. We have demonstrated this in the past and wish to continue that policy. Our requests for formal coordination are very much intended to accommodate consideration of agency comments in the formulation of the project and in the decision process leading to the Power Authority project licensing recommendation. Clearly, our ability to use comments in this fashion is very much a function of when we receive them.

In response to regulatory requirements, and to our best judgement of when agency comment will be most productive we perforce must persist in our requests for formal coordination. We hasten to add, however, that we willingly accept interim comment, informal comment, or any other variant that gets the information to us in a timely fashion. Meanwhile, we will attempt to make available pertinent documentation of field studies as early as possible so as to assist your review.

I hope this summary assists you and your colleagues in deciding how to respond to our requests for formal coordination. If other facets to this action emerge, I would welcome an opportunity to further discuss them with you.

FOR THE EXECUTIVE DIRECTOR

Sincerely,


David D. Wozniak
Project Engineer

DDW/blm

cc: John Lawrence, Acres American, Buffalo

ALASKA POWER AUTHORITY

334 WEST 5th AVENUE - ANCHORAGE, ALASKA 99501

RECEIVED

Phone: (907) 277-7641
(907) 276-0001

DEC 21 1981

ACRES AMERICAN INCORPORATED

December 15, 1981

Mr. Al Carson
Department of Natural Resources
Division of Research and
Development
555 Cordova
Anchorage, Alaska 99501

Dear Al:

I am in receipt of your letter of December 8, 1981 soliciting (on behalf of the Susitna Hydroelectric Project Steering Committee) additional information concerning the Mitigation Task Force. I am happy to comply, in part because it affords me an opportunity to correct some apparent misconceptions.

First, while I have no objection to Steering Committee participation on our mitigation planning, I am somewhat surprised. As was made clear early on, mitigation planning (and specifically the Mitigation Task Force Review Group activities) is being done within the formal coordination and consultation framework of the Fish and Wildlife Coordination Act and F.E.R.C. Regulations. By contrast, the Steering Committee has worked vigorously to remain informal commentators to the Sustina Hydroelectric Project proposal. If the Steering Committee elects to join us in mitigation planning, it should be understood that we will treat their participation as "formal". That in turn leads to other minor procedural concerns, such as what to do about dual representation, etc.

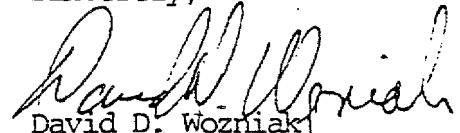
Second, you misjudge slightly our timetable on mitigation planning. We are just now in the midst of identification of impacts. Physical constraints have led to this timetable: Field studies had to be completed and summarized, hydrology data formulated so that power generation simulation (which leads to water release/stage information) could be done, etc. We have by no means fully scoped impact yet, but we are rapidly advancing.

Which leads me to the key point; when will an assessment be possible? The most comprehensive will appear in the draft feasibility report, to be published March 15, 1982. A less comprehensive, but

[illegible]

nonetheless fairly rigorous, assessment will be provided to the Review Group when they convene January 20, 1982. I know you are a member of that Review Group. You should be receiving your formal invitation very soon, if not by now. I suggest Steering Committee involvement, if any, be subsequent to that convening.

Sincerely,


David D. Wozniak
Project Manager

FOR THE EXECUTIVE DIRECTOR

DDW/blm

cc: John Lawrence, Acres American (w/cy of Carson letter)
Quentin Edson, F.E.R.C.

ALASKA POWER AUTHORITY

334 WEST 5th AVENUE - ANCHORAGE, ALASKA 99501

Phone: (907) 277-7641
(907) 276-0001

December 17, 1981

Mr. Al Carson
State of Alaska
Department of Natural Resources
323 E. 5th Avenue
Anchorage, Alaska 99501

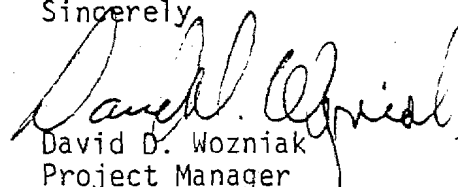
Dear Al:

Just a quick note to advise you we will be meeting with the Cook Inlet Aquaculture Association on January 21, 1982, 5:30 p.m. in the Kenai Borough Building. This meeting will also be open to other special interest groups and the public, who will be notified via direct mailing and newspaper notices. We will be discussing the probable impact of the Susitna Hydroelectric Project to the anadromous populations.

You might want to pass this information to your colleagues on the Steering Committee. Your, as well as their, attendance would be welcome.

Sincerely,

FOR THE EXECUTIVE DIRECTOR


David D. Wozniak
Project Manager

DDW:mlj

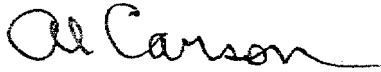
cc: R. Mohn, APA
N. Blunck, APA
J. Lawrence, Acres-

Dave Wozniak

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January 14, 1982

Sincerely,

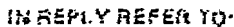
A handwritten signature in cursive script that reads "Al Carson". The signature is written in dark ink and is positioned above the typed name and title.

Al Carson, Chairman
Susitna Hydro Steering Committee

cc: Steering Committee Members
Reed Stoops

APPENDIX B-4

MISCELLANEOUS CORRESPONDENCE



(907) 276 3350

1000 1000 1000 1000

Mr. Eric P. Youid
Executive Director
Alaska Power Authority
333 West 4th Avenue, Suite 31
Anchorage, Alaska 99501

Dear Mr. Youlds:

We were informed by your letter of August 28, 1979, that the Alaska Power Authority (APA) is preparing an application for license to the Federal Energy Regulatory Commission (FERC) for the proposed Hydroelectric Power Development within the Upper Susitna River Basin, Alaska. The purpose of this letter is to point out federal fish and wildlife responsibilities and to insure adequate consideration of fish and wildlife resource loss prevention, mitigation, compensation, and enhancement throughout the planning and decision-making process associated with the Susitna project.

The pre-application planning period associated with the proposed Susitna Hydroelectric Power Development is very critical considering the magnitude of the project, limited existing data for fish and wildlife resources, and amount of effort required for the filing of a well-conceived application for license with PERC. In addition, comprehensive early planning is requisite to the designing of an environmentally sound project and optimal use of the planning period, thereby minimizing the potential for delay in the processing of necessary permit and license applications and complying with various environmental review requirements.

Federal agencies involved in the analysis and/or approval of a non-federal water-related project have many responsibilities under various Executive Orders (EO), laws, and policies to prevent and mitigate impacts to fish and wildlife resources, as well as to enhance those resources. To identify and insure recognition of directives of utmost importance and relevance to the protection of fish and wildlife resources, we list the following and include a brief summary of measures required:

- (1) The Fish and Wildlife Coordination Act, draft Uniform Procedures for Compliance, May 18, 1979, standardizes procedures and interagency relationships to insure, "that wildlife conservation is fully considered and weighed equally with other project features in agency decision-making processes by integrating such considerations into

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SEP 27 1979

ALASKA POWER AUTHORITY

[illegible]

project planning, National Environmental Policy Act (NEPA) compliance procedures, financial and economic analyses, authorization documents, and project implementation."

- (2) The Council on Environmental Quality's (CEQ) Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act (40 CFR, Parts 1500-1508, July 30, 1979) specifies provisions requiring the integration of the NEPA process into early planning, the integration of NEPA requirements with other environmental review and consultation requirements, and the use of the scoping process.
- (3) Section 404 of the Clean Water Act of 1977 and resulting final rules for implementation of the regulatory permit program of the Corps of Engineers (33 CFR, Parts 320-329, July 19, 1977) requires that a Department of the Army permit(s) be obtained for certain structures or work in or affecting waters of the United States. The application(s) for such a permit(s) will be subject to review by wildlife agencies.
- (4) Executive Order 11990 (Wetlands) was issued "in order to avoid to the extent possible the long-term and short-term adverse impacts associated with the destruction or modification of wetlands and to avoid direct or indirect support of new construction in wetlands wherever there is a practicable alternative," and Executive Order 11988 (Floodplains) was issued "to avoid to the extent possible the long-term and short-term adverse impacts associated with the occupancy and modification of floodplains and to avoid direct and indirect support of floodplain development wherever there is a practicable alternative." All federal agencies are responsible to comply with these EO's in the planning and decision-making process.
- (5) Section 7(c) of the Endangered Species Act, 87 Stat. 884, as amended, requires FERC to ask the Secretary of the Interior, acting through the U.S. Fish and Wildlife Service, whether any listed or proposed endangered or threatened species may be present in the area of the Susitna Hydroelectric Power Project. If the Fish and Wildlife Service advises that such species may be present in the area of the project, FERC is required by Section 7(c) to conduct a Biological Assessment to identify any listed or proposed endangered or threatened species which are likely to be affected by the construction project. The assessment is to be completed within 180 days, unless a time extension is mutually agreed upon.

No contract for physical construction may be entered into and no physical construction may begin until the Biological Assessment is completed. In the event the conclusions drawn from the Biological Assessment are that listed endangered or threatened species are likely to be affected by the construction project, FERC is required by Section 7(a) to initiate the consultation process.

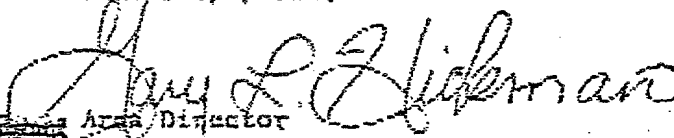
- (6) Water Resources Council, Principles and Standards for Planning Water and Related Land Resources (18 CFR, Part 704, April 1, 1978) were established for planning the use of the water and related land resources of the United States to achieve objectives, determined cooperatively, through the coordinated actions of the Federal, State, and local governments, private enterprise and organizations, and individuals. These principles include providing the basis for planning of federal and federally assisted water and land resources programs and projects and federal licensing activities as listed in the Standards.

It is our understanding that your agency has contracted with three independent consultant firms for each to develop a comprehensive plan of study (POS) to include biological studies associated with the Susitna project and that from the three independent POS's and the existing Corps of Engineers' Plan of Study, an ultimate comprehensive POS will be derived. The actions necessary to comply with the above listed laws, policies, and EO's demonstrate the necessity for close consultation with federal and state wildlife agencies throughout project planning and implementation.

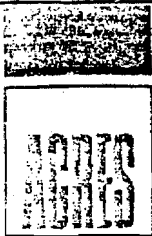
It is imperative that coordinated planning be initiated now with all appropriate parties, and that such planning include the convening of scoping meetings to include participation by state and federal wildlife agencies. The purpose of the scoping meetings should include: developing a comprehensive POS which insures full wildlife agency participation throughout each phase of the planning and review processes; determining who, among the federal and state wildlife agencies or the applicant, will undertake and oversee the required studies and investigations; insuring adequate and timely funding of those performing the studies; and establishing mutually acceptable target dates for the initiation and completion of studies. The adherence to these suggestions will insure that adequate information is collected to enable the determination of project impacts and develop measures to prevent, mitigate, and compensate for fish and wildlife losses.

We look forward to working closely with your agency and others involved in this study, and trust that this letter will serve as notice of the necessity for early involvement of and consultation with wildlife agencies.

Sincerely yours,


Anchorage Area Director

cc: ADES, WAGS
FERC, Washington
ES, Washington
OEC, Washington
CE, ADP&G, Anchorage
NMFS, BLM, ADNE, Anchorage
ADEC, EPA, SCS, USGS, Anchorage



October 16, 1979

~~P5477-15~~

Federal Energy Regulatory Commission
Bureau of Power
Division of Licensed Projects
825 North Capitol Street, NE
Washington, DC 20426

Attention: Mr. Ronald A. Corso
Deputy Chief, Division of
Licensed Projects

Dear Ron,

Susitna Hydroelectric Project

I appreciated your call October 10 regarding the September 24 letter from Gary Hickman, Department of the Interior Fish and Wildlife Service, to Eric Yould of Alaska Power Authority. Although the State will not make its decision on the Corps or Acres until November, we have already had some useful "scoping" discussions with ADF&G, NMFS, FWS and ADNR. At Eric's request, I am forwarding herewith for your comment, a draft of a proposed response. Please call if you have any suggested changes.

Sincerely,

John D. Lawrence
Project Manager

JDL:pbf
Enclosure

ACRES AMERICAN INCORPORATED

One Building

Two Building

Three Building

Four Building

One Building, Two Building, Three Building, Four Building, Washington, DC

TEL: 91-6423 ACRES BUREAU

Mr. Gary Hickman
Area Director
United States Department of
the Interior
Fish and Wildlife Service
1011 E. Tudor Road
Anchorage, AK 99503

Dear Mr. Hickman:

Susitna Hydroelectric Project

Thank you for your letter dated September 24 concerning federal fish and wildlife responsibilities for FERC licensing of the Susitna Project. We wholeheartedly concur that all activities related to licensing of the project require careful planning and coordination with all local, state and federal agencies involved. We also agree that the environmental base-line studies, and the ensuing assessments and development of appropriate investigation, compensation and enhancement measures are of particular concern. We fully intend to address these matters in as comprehensive and thorough a manner as possible either through the Corps of Engineers or our consultants, Acres American Inc. Selection of the Corps or Acres is anticipated in November.

Some preliminary scoping meetings have already been initiated on our behalf by Acres American Inc and Terrestrial Environmental Specialists Inc with the Alaska Departments of Fish and Game and Natural Resources, the U.S. Fish and Wildlife Service and National Marine Fisheries Service. We have also been in touch with Ron Corso of the FERC to solicit his views on the approach we should take in obtaining the necessary licenses for the project. It is our understanding that a key factor in the license application will be a valid demonstration to the FERC that all involved agencies have been consulted and that plans for compliance with the appropriate regulations have been agreed. We have every intention of meeting this requirement to the complete satisfaction of FERC. Referring to the list of regulations in your letter we have been advised by Mr. Corso as follows:

- (1) Fish and Wildlife Coordination Act: FERC's own regulations will govern for federal licensing of the Susitna Project.
- (2) CEQ Regulations: FERC's own regulations will govern for federal licensing.
- (3) Section 404 of the Clean Water Act: compliance is necessary.
- (4) Executive Order 11990 (Wetlands), and Executive Order 11988 (Floodplains): FERC's own regulations are expected to govern in the case of Susitna.
- (5) Endangered Species Act: compliance is necessary.

- (6) Water Resources Council, Principles and Standards: these only apply for federal projects, and would not apply if the state selects a private consultant to undertake the Susitna Feasibility Study.

You should also be aware that we are planning to directly involve the ADF&G, ADNR, and possibly other state and federal agencies in appropriate areas of study. We will gladly keep you informed of progress in all aspects of the study which are subject to your jurisdiction and look forward to a close and mutually productive relationship.

Sincerely yours,

Eric P. Yould
Executive Director

RECEIVED FEB 4 1963
JAY S. HAMMOND, GOVERNOR

619 Warehouse Dr., Suite 210
Anchorage, Alaska 99501

REC'D JAN 31 1980

[illegible]

RECEIVED FEB 19 1980

February 15, 1980

P5700.17-01

11.85

Mr. Paul Carrier
Division of Licensed Projects
Office of Electric Power Regulation
Federal Energy Regulatory Commission
825 North Capital Street
Washington, DC 20426

WARNOCK

DEBELIUS

HOBSON

PHILCOX

SHIPPEY

TUCKER

MURRAY

PECORA

BAHADUR

Dear Mr. Carrier:

Susitna Hydroelectric Project Study

As discussed in our meeting on February 11, 1980, enclosed is a copy of the Plan of Study for the Susitna Hydroelectric Project. It would be appreciated if you could pass this copy along to Mr. Springer and Mr. Corso for their information. Any comments you would have with regard to future licensing considerations will be appreciated.

Thank you for taking time to meet with me. I look forward to coordinating development of the license application with you as the study progresses.

Very truly yours,



Philip M. Hoover
Staff Engineer

PMH/lis

Encl.

cc: J. Lawrence

SEQUENCE NO.

216

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March 11, 1980
P5700.11.88

Mr. Ron Corso
Acting Director, Division of Licensed Projects
Office of Electric Power Regulation
825 North Capital Street
Washington, D.C. 20426

Susitna Hydroelectric Project

Dear Mr. Corso:

WARNOCK

DEBELIUS

HOBSON

PHILCOX

SHIPPEY

TUCKER

MURRAY

PECORA

BAHADUR

The purpose of this letter is to confirm the meeting scheduled for 9:00 a.m. Tuesday, April 8, 1980 at the above FERC office address to discuss the potential license application for the Susitna Hydroelectric project. This meeting is arranged as a result of discussions between Mr. Paul Carrier of your staff and Mr. Philip Hoover of Acres.

The Susitna project team will be represented at the meeting by the study sponsor, the Alaska Power Authority and by Acres American Incorporated, the prime contractor for the study. In addition to you and Mr. Carrier, it would be appreciated if FERC representatives from the environmental and legal specialties could attend, as well as any others who have comments on the subject Plan of Study.

Our primary topic of interest at the meeting will be FERC staff reaction to the Susitna POS. Any comments resulting from your review, relative to our preparation for a license application submittal, will be appreciated. In addition, we would also like to discuss the following topics:

- The plans to submit a license application prior to completion of certain key monitoring studies;
- The extent of study participation by the Alaska Department of Fish and Game and any implications on their potential (future) role as an intervenor;
- The impact on non-Federal development of the Corps of Engineers' Congressional authorization for Phase I Study of the Susitna project.
- The impacts of the pending new regulations regarding applications for major projects;
- The positive and negative aspects of licensing the individual project components separately or collectively (e.g. sequential license applications for each of two dams vs. a single project application).

Your cooperation in providing assistance in this early stage of project development is appreciated. We look forward to meeting with you and your staff on April 8.

Very truly yours,

PHH/lis

John D. Lawrence, P.E.
Project Manager

cc: Paul Carrier, FERC
Eric Yould, APA

Blind copies to: J. Hayden, P. Tucker, C. Debelius, E. L. Baum, Project Files

Mr. Dale Arhart
Division of Ecological Services
Fish and Wildlife Service
18th and C Streets, NW
Washington, D.C. 20240

Susitna Hydroelectric Power Study
Meeting with FERC

Thank you for your interest. We hope to see you at the meeting.

Philip M. Hoover
Civil Engineer

Enclosure

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Other Cities: Buffalo NY Pittsburgh PA Raleigh NC Washington, DC



March 11, 1980

Mr. Ron Corso
Acting Director, Division of Licensed Projects
Office of Electric Power Regulation
825 North Capital Street
Washington, D.C. 20426

Dear Mr. Corso:

Susitna Hydroelectric Project

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- The impacts of the pending new regulations regarding applications for major projects;
- The positive and negative aspects of licensing the individual project components separately or collectively (e.g. sequential license applications for each of two dams vs. a single project application).

Your cooperation in providing assistance in this early stage of project development is appreciated. We look forward to meeting with you and your staff on April 8.

Very truly yours,

PMH/lc

John D. Lawrence, P.E.
Project Manager

cc: Paul Carrier, FERC
Eric Yould, APA
ACRES AMERICAN INCORPORATED

Consulting Engineers
Suite 329 The Clark Building
Columbia, Maryland 21044

Telephone 301-992-5300 Washington Line 301-586-5595

Other Offices: Buffalo, NY, Pittsburgh, PA, Raleigh, NC, Washington, DC

ALASKA POWER AUTHORITY

RECEIVED SEP 19 1980

September 12, 1980

Mr. Jim Gill
Acres American, Inc.
2207 Spenard Road
Anchorage, Alaska 99503

Dear Jim:

I am attaching a letter from ADNR requesting they be kept advised of any data gathered relative to navigation use of the Susitna River and its tributaries. Can you please alert your subcontractors to this request? We would like to accommodate it to the maximum extent possible.

Further, ADNR has requested a copy of the UAF proposal for a study regarding navigation uses. I understand it was submitted directly to you. Can you please provide a copy to ADNR, either directly or through us. Thank you.

Sincerely,

FOR THE EXECUTIVE DIRECTOR

Robert A. Mohn

1 Attachment: ADNR Letter, August 29, 1980

cc: J. Lawrence

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| ALASKA POWER AUTHORITY | | | |
| SUSITNA | | | |
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STATE OF ALASKA

Employees of Acres-American or their subcontractors should also be informed of the regulations contained in 5AAC 81.120 General Provisions. The following methods and means of taking game are prohibited: (3) by the use of helicopter or rotocraft in any manner including the transportation either to or from the field of any game or parts of game, hunters, or hunting gear, or any equipment used in the pursuit of game; . . . and also subsection (5) by use of an airplane, snowmachine, motor-driven boat or other mothorized vehicles for the purpose of driving, herding, or molesting game; and that the definition of "taking" includes harrassment by aircraft.

Aircraft Traffic

APA/Acres should assure that aircraft engaged in point to point travel maintain a minimum elevation of 1,000 feet above ground level, weather conditions permitting. Ed Reed of TES has offered to have the TES employee stationed at Watana Camp complete a log of all helicopter activities at a lower elevations than this so that foci of disturbance can be related to animal activities. All contractors and subcontractors should be required to participate in maintaining this log. Beyond question, the level of helicopter activity which will occur in connection with the feasibility studies will impact game populations, especially carnivores; the objective of these restrictions is to both minimize the impact and document it so that it can be evaluated.

Solid Waste Management

We suggest that all garbage generated by the field camps should be incinerated and buried within a strongly fenced enclosure to minimize its attractiveness to wildlife, especially bears.

REVIEW OF STUDY ACTIVITIES

Aerial and Land Surveying p.4-p.8

No comments, recommendations or AS 16.05.870 requirements.

Hydrological Studies p.9-p.12

No comments, recommendations or Title 16 permit requirements.

Environmental Studies p.13

No comments, recommendations, or Title 16 permit requirements.

Geotechnical and Seismological Investigations.

It has been indicated that explosives may be used for some tasks in this study program. Use of explosives within one-quarter mile of the Susitna River and its tributaries must be approved by the Department of Fish and Game. Before this approval can be secured, more information showing the approximate location, charge size, and proposed dates of explosive detonations must be provided to this Department.

5/28/80

In accordance with AS 16.05.870, exploratory drilling and other activities related to this work are subject to the following requirements:

1. There shall be no fuel or petroleum products stored within 100 feet of the Susitna River and its tributaries.
2. All mobile equipment shall be refueled at least 100 feet from the vegetated bankline of the Susitna River or its tributaries. Non-mobile equipment used in the course of drilling over river ice may be refueled on the river ice but extreme care should be taken to avoid spillage of petroleum products.
3. Drill cuttings shall not be disposed in the Susitna River or its tributaries.
4. Sedimentation from core drilling over ice of the Susitna River shall be minimized by casing each drill hole from the riverbed to the ice surface.
5. Discharge water from permeability tests shall not be introduced directly into flowing waters of the Susitna River or its tributaries.
6. Tracked or wheeled vehicles or equipment shall not be operated in the flowing waters of the Susitna River or its tributaries.
7. Each water intake equipment structure must be centered and enclosed in a screened box which must be constructed to prevent fish entrapment, entrainment or injury. Screen mesh may not exceed one-fourth inch.

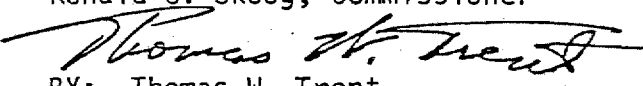
Pursuant to 6AAC 80.010(b), the conditions of this permit are consistent with the standards of the Alaska Coastal Management Program.

This letter constitutes a permit issued under the referenced authority, must be retained onsite to be valid and expires December 31, 1981. Please be advised that our approval does not relieve you of the responsibility to secure other permits, State, Federal or local. You are encouraged to contact the Anchorage Permit Information and Referral Center, 338 Denali Street, Room 1206, telephone 279-024, if you are in doubt about other required permits.

Failure to abide by permit stipulations and requirements is a misdemeanor punishable by a fine of not more than \$1,000 and/or six months in jail.

Sincerely,

Ronald O. Skoog, Commissioner


BY: Thomas W. Trent
Regional Supervisor
Habitat Protection Section
(907) 344-0541

cc: John Rego - BLM
Robert Bowker - USFWS
Kyle Cherry - ADEC
Larry Dutton - ADNR

RECEIVED JUN 16 1980

ALASKA POWER AUTHORITY

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

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

June 13, 1980

Mr. Ron Corso
Federal Energy Regulatory Commission
400 1st Street, N.W.
Washington, D. C. 20427

Dear Mr. Corso:

Pursuant to previous discussion with Mr. Quinton Edson, we request FERC presence in Anchorage to discuss various licensing aspects of the Susitna Hydroelectric Project. This visit could be in conjunction with your staff's plans for visiting the Tyee Lake site.

The need for the meeting is evidenced by the strong urging for such a session by the state and federal agencies who have an interest in the project. It is the consensus of all involved that a face-to-face meeting with FERC is needed at this early stage of the study process to insure that proper work effort is planned especially in the environmental and fisheries programs. The meeting will constitute the second convening of the Susitna Interagency Steering Committee. Acres American will be represented and prepared to discuss the fisheries and in-stream flow study programs in detail. In our opinion, the timing for a meeting with your staff is ideal.

We would like to plan on a two-day session either before or after your staff's visit to Tyee Lake. We await your response and recommended meeting dates. We will adjust to your schedule.

Thank you for your continued assistance in guiding us at this early but critical stage of project planning.

Sincerely,

Robert A. Mohn
Robert A. Mohn
Director of Engineering

FOR THE EXECUTIVE DIRECTOR

cc: John Lawrence

ALASKA POWER
AUTHORITY
SUSITNA
FILE P5700

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August 27, 1980
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| PHIL HOOPER |
| GILL |
| LOWREY |
| FRETZ |
| HUSTEAD |
| BOVE |
| CHASE |

Mr. Dean Shumway
Federal Energy Regulatory Commission
825 North Capital Street
DLP 4th Floor
Washington, D.C. 20426

Dear Dean:

Susitna Hydroelectric Project
Distribution of Environmental
Procedures Manuals

As part of our Susitna Hydroelectric study program we have prepared procedures manuals for the major environmental subtasks. Enclosed please find a complete set of manuals prepared to date. As modifications in our procedures occur, you will be supplied with revised editions.

In addition, nine (9) sets of these procedures manuals have been sent to the Susitna Steering Committee for review.

Your review and comments on these procedures manuals would be appreciated.

Sincerely,


Kevin Young
Environmental Coordinator

KRY/jmh
Attachment

STATE OF ALASKA

JAY S. HAMMOND, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF RESEARCH & DEVELOPMENT

323 E. 4TH AVENUE
ANCHORAGE, ALASKA 99501
279-5577

August 29, 1980

RECEIVED

Eric Yould
Executive Director
Alaska Power Authority
333 W. Fourth Avenue
Suite 31
Anchorage, AK 99501

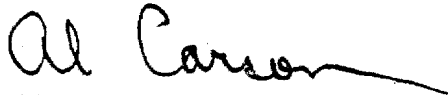
ALASKA POWER AUTHORITY

Dear Mr. Yould:

At the Susitna Hydro Steering Committee meeting held on July 18, 1980, the navigation user needs study as it relates to instream flow studies was discussed. At that time it came to our attention that personnel from the University of Alaska completed a proposal to conduct this work, however, for budgetary and project scheduling purposes it has been determined not to conduct this study at this time. Staff of TES indicated to my staff that the possibility exists, pending further hydrologic studies and continuing development of instream flow studies, that data on navigation user needs for instream flow purposes may be gathered in the future as the feasibility studies continue.

I would like to request that your office and that of Acres, TES, and their subcontractors keep my department abreast of development of data gathered relating to navigation uses on the Susitna River and its tributaries. Additionally we would appreciate receiving a copy of the initial proposal written by the U. of A. staff to conduct such a data gathering effort. This will aid us in the review of any developments in this area of study, which this department believes should be conducted as part of the overall feasibility studies.

Sincerely,



Allan Carson
Deputy Director

cc: Mary Lu Harle

May 4, 1981
P5700.11.74
T.868

Mr. Robert Shaw
State Historic Preservation Officer
State of Alaska
Department of Natural Resources
Division of Parks
619 Warehouse Avenue
Anchorage, AK 99501

Dear Mr. Shaw:

Susitna Hydroelectric Project
Cultural Resources Investigation

In response to your request during our meeting of April 7, 1981, I am forwarding a copy of the Susitna Procedures Manual for the Cultural Resources Investigations. In addition, I have enclosed a copy of the Cultural Resources section from our Plan of Study.

I trust this will aid in your continued review of our program. Any specific questions on this component of our study should be referred to Mr. Lewis M. Cutler of Terrestrial Environmental Specialists, RD Box 388, Phoenix, NY 14135.

Yours truly,

Kevin Young
Environmental Coordinator

KY:adh
Enclosures

July 22, 1981
P5700.11.88
T.990

| |
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| WILLETT |
| WITTE |
| BERRY |

Mr. Mark Robinson
Federal Energy Regulatory Commission
400 1st Street, N.W.
Washington, D.C. 20427

CLAYDEN
LAMB
LAWRENCE
SINCLAIR
VANDERBURGH

Dear Mark:

**Susitna Hydroelectric Project
Environmental 1980 Annual Reports**

| | |
|---------|--|
| CARLSON | |
| FRETZ | |
| JEX | |
| LOWREY | |
| SINGH | |

As discussed I am forwarding copies of our Susitna 1980 Annual Reports. The scope and objectives of the various subtasks under which these reports were prepared are outlined in our Plan of Study which you already have a copy of.

Although we are not seeking a formal review at this time, any comments you have would be very much appreciated.

Sincerely,

| |
|---------|
| HUSTEAD |
| BOVE |

CHASE

RY/7jr

Kevin Young
Environmental Coordinator

~~Enclosure~~

cc: P. Hoover (AAI)
D. Wozniak (APA)

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

JAY S. HAMMOND, GOVERNOR

333 RASPBERRY ROAD
ANCHORAGE, ALASKA 99502
344-0541

September 10, 1981

Jim Gill
Acres American, Inc.
2207 Spenard Road
Anchorage, AK 99503

Dear Jim:

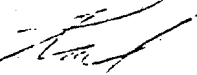
Our Fairbanks office received a complaint from a moose hunter about disturbance of moose by helicopters north of the Watana Camp during the first week of September. Apparently, helicopters that appeared to be flying point to point were seen to periodically drop down to lower altitudes as though they were looking at animals. He did not identify the helicopters, but there is a fair chance they were from the camp.

The same hunter complained about a Cessna 180 which I have determined to be one of our chartered aircraft that was radiotracking bears.

The hunter felt that these activities were causing moose to move to lower elevations into more timbered areas. We have no evidence to support this impression, but it is certainly possible to disrupt animals enough to spoil an expensive hunt.

Some conflict with hunters are unavoidable, but we should try to minimize them. We plan to try to avoid flights on popular hunting days such as opening days and major weekends. It would be useful if you would remind helicopter pilots of the problem and request that they maintain sufficient altitude to avoid disturbing animals except when their work or safety dictate otherwise. In particular, they should resist the natural tendency to go take a closer look at animals.

Sincerely,


Karl Schneider
Game Biologist IV

11.76

F109521

✓ 

X

X

September 29, 1950

On February 4, 1980, Mr. Eric Yould, Executive Director of the Alaska Power Authority, prepared a Forwarding letter introducing the detailed Plan of Study for the Susitna Hydroelectric Project. He noted at the time that the plan did not permanently fix the manner in which the proposed work would be accomplished and expressed his desires that your assistance would contribute to its steady improvement.

Even while the work has progressed, Eric Yould's projective desires have been realized. A number of important changes have been made to the plan. This volume documents the revisions and briefly describes their genesis. Once again, your careful review and comments would be very much appreciated. I sincerely hope you will take the time to address them to:

On behalf of the entire Project Team, I want to express our appreciation for the strong interest you have expressed to date. With your assistance, the revised plan will continue to be a dynamic document.

John D. Lawrence
Project Manager

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NOTES OF MEETING

DATE: April 6, 1981

PROJECT NUMBER: AAI 218

LOCATION: DNR, Division of Minerals and Energy Management; 703 W. Northern Lights Blvd., Anchorage

ATTENDEES: Glenn Harrison, Director; Division of Minerals and Energy Management. J.O. Barnes, R.J. Krogseng, TES

SUMMARY OF DISCUSSION:

Mr. Barnes gave a short presentation summarizing the history of the Susitna Project and the role of Acres and TES in the present studies being conducted for the Alaska Power Authority.

Mr. Harrison responded that his divisions main interests involved coal, oil and gas and that he foresaw few problems that the Susitna project would cause in his areas of interest.

Mr. Harrison felt that the project "sounds good" and was well thought out.

Mr. Harrison also commented that it would be good, as far as his division was concerned, to have some roads built into the Susitna area.

Mr. Harrison stated that he appreciated the meeting and that he would like to be kept informed on a periodic basis.

Prepared by R.J. Krogseng
R.J. Krogseng, TES

NOTES OF MEETING

DATE: April 6, 1981

PROJECT NUMBER: AAI 218

LOCATION: Alaska Department of Transportation, Aviation Building, Anchorage

ATTENDEES: Jay Bergstrand, DOT, Area Planner; J.O. Barnes and R.J. Krogseng,
TES

SUMMARY OF DISCUSSION:

Jeff Barnes outlined the history of the Susitna Project and Acres and TES's role in the present studies. Mr. Bergstrand was familiar with the project and had been present at some of the Susitna project meetings.

Mr. Bergstrand requested a copy of the Environmental Annual Reports, and he was referred to Nancy Blunck's office at APA.

Mr. Bergstrand asked about transmission line high voltage effects, fish passage problems around the dams; what was planned for disposing of the timber in the impoundment areas, and was burning being considered as a mitigation measure for moose?

Mr. Bergstrand was particularly interested in the planning process for Access Roads, Transmission Line routes and transportation corridors. He showed us proposed routes for new roads in the Lower Susitna Basin and we discussed where they would cross the proposed transmission lines.

Mr. Bergstrand requested more information regarding the impact and amount of flying activity during the study and construction periods the Susitna Project would have on the Talkeetna Airport. This information would be used to ascertain if the state would have to provide more services at the Talkeetna airport. (A letter requesting this information was sent to Mr. Brownfield of Acres on April 16, 1981).

Prepared by R.J. Krogseng
R.J. Krogseng, TES

Mr. Baya inquired about the status of legislative funding to cover the rest of Phase I studies and the transition period.

Mr. Baya wanted to know if any incremental instream flow work was being done on the Susitna River by the state.

Mr. Baya feels that more attention needs to be paid to instream flow impacts, the effects can be far-reaching. He pointed out that the move of the state capitol, urban growth of Anchorage and the Mat-Su, the proposed causeway to Point MacKenzie, all could cause serious impacts and need to be considered in a regional planning effort. He also pointed out the need to recognize the secondary impacts that a large supply of hydroelectric power would cause.

Mr. Baya pointed out that the Fish and Wildlife Service will be asked by the Secretary (of Interior) to respond with comments during the FERC review process. The F&WS also has the requirement to coordinate fish and wildlife view points from the different agencies. Mr. Baya feels that the Susitna project has moved forward too far without funding for Fish and Wildlife Service participation. He would like to have a man assigned full time to the Susitna project to monitor the studies and keep him up to date because in the near future he will have to ask himself "can I sign off on that?"

Mr. Baya feels that the APA needs to find a way to get the F&WS actively involved. They need money to finance a staff position (approximately \$50 - 60,000 a man year). Normally when the Corps of Engineers have a project they would give the F&WS money every six months through an allocation transfer.

Mr. Baya commented that recent cutbacks have caused problems and will probably result in a reduction in staff. In spite of these problems Mr. Baya said "we want to help plan a sound program.....we don't want to be obstructionists." "...but without funding for a full time position it will be virtually impossible to completely review the study in a short period of time.

Mr. Baya commented that in projects in the Lower 48 states they have found that often they had not looked far enough down the road to be aware of all of the impacts. For instance, along the Mississippi River the State of Mississippi is losing 16 miles of Delta every year, because river channelization is dumping sediments in deep water instead of spreading them over the delta areas.

NOTES OF MEETING

DATE: April 6, 1981

PROJECT NUMBER: AAI 218

LOCATION: DNR Office, 323 East 4th Ave., Anchorage

ATTENDEES: Mr. Ted Smith, Director, State Division of Forreest, Land & Water Management, ADNOR. Mr. J.O. Barnes, Mr. R.J. Krogseng, TES

SUMMARY OF DISCUSSION:

Jeff Barnes outlined the history of the Susitna Project and TES's role in the studies.

Mr. Smith had recently talked to Brent Petrie (now of APA) about the Susitna project and he appreciated the briefing and the concerns shown for his departments interests.

Mr. Smith expects to get relief from the Legislative mandates which he feels are causing many of the problems in the state land disposal program.

Mr. Smith feels that the access roads for the Susitna Project will help to open up and provide access for more state disposal lands.

Mr. Smith strongly feels that the Alaska Power Authority should file applications for water rights as soon as possible to both reserve the water rights and to help DNR plan. (Alaska has recently adopted a water rights law similar to that of Montana and other Western states). He also would like to see applications from APA designating approximate routes for access roads and transmission lines so they can be included in DNR's planning at the earliest possible date.

Prepared by


R.J. Krogseng/TES

NOTES OF MEETING

DATE: April 7, 1981

PROJECT NUMBER: AAI 218

LOCATION: State Parks Headquarters, 619 Warehouse Avenue, Anchorage

ATTENDEES: Jack Wiles, Robert Shaw, Doug Reger, Alaska State Parks; Kevin Young, Acres; Jeff Barnes, Lew Cutler, R.J. Krogseng, TES.

SUMMARY OF DISCUSSION:

Mr. Barnes gave a short presentation covering the history of the Susitna Project and the role played by Acres, TES, and other subcontractors in the present study for the Alaska Power Authority.

Mr. Shaw and Mr. Reger requested a copy of the Plan of Study and the Archaeology Procedures Manual. (Mr. Cutler will go over the Annual Report with Mr. Reger on the 8th of April).

Mr. Wiles was concerned that if the State Parks Department would be the manager around the reservoir area, how big was the area going to be, or would it just be the 200 foot buffer strip.

Mr. Reger wanted to know what wasⁱⁿ the FERC application. He also wanted to know if the FERC people would consult with his staff office. He also commented that they hadn't been involved up till now.

Mr. Shaw wanted to know what the overall construction schedule would be.

Mr. Wiles inquired about the status of the access road and what the present plans were.

It was also established that artifacts that came from native owned ground are usually placed in the University of Alaska Museum to be held in trust for the natives.

All attendees agreed that the Susitna Project "sounds good" and they were satisfied with the planning that had gone into the studies.

Prepared by R.J. Krogseng
R.J. Krogseng, TES

NOTES OF MEETING

DATE: April 7, 1981

PROJECT NUMBER: AAI 218

LOCATION: USF&WS, Tudor Road, Anchorage

ATTENDEES: Keith Baya, Assistant Area Director F&WS; Kevin Young, Acres;
J.O. Barnes and R.J. Krogseng, TES.

SUMMARY OF DISCUSSION:

Mr. Baya was recently assigned to Alaska so Mr. Barnes's presentation covered the history of the Susitna Project, the role of Acres and TES in performing the studies for the Alaska Power Authority, and an outline of the studies in progress to help bring Mr. Baya up-to-date on the project.

Mr. Baya appreciated the briefing on the project and commented that he would like to see the Susitna River studied all the way down to the estuary to be sure there were no unforeseen problems. He acknowledges that effects on the lower river may be difficult to measure. He also felt that another question that will arise is "why isn't it like other hydro projects?"

Mr. Baya felt that the NEPA decision making process should be followed.

Mr. Baya believes that the Susitna study is going to be one of the major studies for the next few years. He feels that the Fish and Wildlife Service needs to be involved in these studies and that his people have some expertise, but they need to be on the ground to be able to see and supervise the studies. If they are not included Mr. Baya believes the "----FERC coordination may take longer than felt politically wise or timely."

Mr. Baya expressed an interest in what studies were planned for the coming year. If there is an early June tour for Starker Leopold, Mr. Keith Baya would like to be included.

Mr. Baya wanted to know if Habitat Evaluation Procedures (HEP) were being used in the studies. He felt that it may be necessary to do a HEP analysis later on.

Mr. Baya inquired about Dr. B. Kessel's Avian and Small Mammal Studies and what was scheduled for the summer field studies.

Mr. Baya also commented on the EIS that will be written on the Beluga Coal fields in the next few months, and how they plan to build a model to help figure out what (data) is driving the system. They also will be looking at the question of whether it would be better to build a port at Tyonek or haul the coal by railroad to Seward.

Prepared by *R.J. Krogseng*
R.J. Krogseng, TES

NOTES OF MEETING

DATE: April 7, 1981

PROJECT NUMBER: AAI 218

LOCATION: Department of Community & Regional Affairs, 225 Cordova,
Building B, Anchorage

ATTENDEES: Ed Busch, Senior Planner; Lamar Cotten, Associate Planner;
Kevin Young, Acres; J.O. Barnes and R.J. Krogseng, TES.

SUMMARY OF DISCUSSION:

Mr. Barnes gave an overview of the history of the Susitna project, Acres and TES's involvement in the present studies and our reason for talking to people from their department.

Mr. Busch was aware of the steering committee through Al Carson. Mr. Busch's department provides planning assistance to communities upon request. The Department also has a management program. One of their programs provides coastal zone management for the Matanuska-Susitna Borough. This could extend up the Susitna River.

Mr. Busch's office has had sporadic involvement with the Susitna project. He was on the review committee on contractor selection and also attended some of the workshops.

Mr. Busch voiced some concerns that his office has about planning for the Susitna project. He feels there will be a number of impacts on local governments, and he wanted to know if their concerns had been considered? Mr. Busch believes that the Matanuska-Susitna Borough will bear the brunt of the impacts (positive and negative) caused by the Susitna project. A major problem will be providing increased services.

Mr. Busch wanted to know if the access roads would be kept open after the project was finished and who will maintain them. He also wanted to know, if the railroad is built, has anyone considered the impact to Talkeetna caused by people driving to Talkeetna, parking and taking the train?

Mr. Busch recommended that TES do community profiles on the towns and villages that would receive most of the impact. As a minimum he suggested community profiles on Talkeetna, Cantwell, Paxson and Gold Creek. A community profile is a collection of information with photos and a map of the community. (examples were provided). The profiles have been costing \$10-11,000 to produce with the majority of the expenses going for per diem expenses and cartography.

(Northwest Gas Pipeline Company produced some of the examples).

Mr. Busch pointed out that if a village is incorporated into a second class city (such as Talkeetna) they are able to have more input in planning and governing themselves. For the smaller villages the State Legislature is the governing body, with the actual planning done by Mr. Busch's department. Wildlife planning is done by the ADF&G, and the Matanuska-Susitna Borough provides the schools. Mr. Busch does not speak for the Borough unless he has been requested to do so.

Mr. Busch feels the number of construction workers has been under-estimated, as an example, the Alyeska pipeline was under-estimated.

Mr. Busch recommended that a permanent construction camp be built for the project. The temporary camps built for the pipeline are still being used and it would have been cheaper in the long run to build permanent camps.

Mr. Busch commented that people from Frank Orth and Associates have talked to personnel in his office.

Mr. Busch also pointed out that the only way his office gets involved is when they have been asked to by the community.

Prepared by

R.J. Krogseng, TES

NOTES OF MEETING

DATE: April 8, 1981

PROJECT NUMBER: AAI 218

LOCATION: Department of Public Safety, Division of Fish and Wildlife Protection, 5700 E. Tudor Road, Anchorage

ATTENDEES: Colonel Robert J. Stickles, Director; Lt. Col. Tetzlaff, Capt. Wayne Fleek, Lt. Rod Mills, Department of Public Safety; Kevin Young, Acres; J.O. Barnes and R.J. Krogseng, TES.

SUMMARY OF DISCUSSION:

Mr. Barnes presented an overview of the history of the Susitna project and the part played by Acres and TES in the present studies being conducted for the Alaska Power Authority.

Col. Stickles requested that his department receive copies of the annual reports for Fish, Big Game and Access Roads.

Col. Stickles asked what effect the dams would have on the flow of the Susitna River below Talkeetna. He also wanted to know what water temperature changes may occur. He was very interested in the possible effects the project would have on moose and caribou. Col. Stickles also wanted to know how many miles of access roads were planned.

Col. Stickles wanted to know what ice effects were expected in the impoundment area and also the effects expected in the downstream reaches of the river. He also wanted to know what the construction time table was and when it would start. He needed this information to help plan for the placement of officers. He will probably assign an officer to Chulitna when construction starts.

Capt. Fleek asked about the amount of helicopter useage during the studies. He also wanted to know where the transmission line routes would be and if there would be access roads along them.

Capt. Fleek wanted to know how many people would be living near the dams for maintenance and operation of them.

Capt. Fleek wanted to know if the impoundment areas were going to be logged. He also was concerned that ice shelving might cause caribou crossing problems. Capt. Fleek commented on the large number of bear in the area and wanted to know if we had had any bear problems. He also requested that Fish and Wildlife Protection Division be sent the results of the Mitigation Committee. Their division would like to be in on mitigation planning.

All agreed that Protection Division's greatest concern would be the access provided to the area. They wanted to know if a landing strip was going to be built. They would also be interested in getting permission to store extra gas for their helicopter at Camp Watana later on.

Lt. Mills said that they could tell us the number of guides using the area, and he agreed to send Krogseng a list of the guides and their best guess on the number of hunters using the area.

Reported by

R. P. Krogseng
R. P. Krogseng, TES

NOTES OF MEETING

DATE: April 8, 1981

PROJECT NUMBER: AAI 218

LOCATION: Department of Energy, Federal Building, Anchorage

ATTENDEES: Fred Chiei, Deputy Regional Representative; Kevin Young, Acres;
J.O. Barnes and R.J. Krogseng, TES.

SUMMARY OF DISCUSSION:

Mr. Barnes made his presentation covering the history of the Susitna project and the role of Acres and TES in the present studies being conducted for the Alaska Power Authority.

Mr. Chiei appreciated being kept informed on the status of the project.

Mr. Chiei commented that his office is an off-shoot of the Secretary's office and that he deals primarily with energy 'policy'.

Mr. Chiei noted that the FERC people operate out of his office when they are in town, while the FERC engineers operate out of San Francisco. He also commented on the need for energy planning.

Mr. Chiei said that his office tries to stay out of the states territory in energy matters, although a lot of things have not surfaced yet. He prefers it to be more of a state project and is happy to see state funding for it.

Mr. Chiei commented that hydroelectric projects like the Susitna project release energy like coal, oil and gas that can be shipped elsewhere in the U.S. which helps to distribute the country's energy more evenly.

Mr. Chiei said that he doesn't see any problems at this point and periodic reports (like this meeting) would be sufficient. He would also be interested in seeing the development scenario when it is developed.

Mr. Chiei would like to receive information from Acres on the Tidal Power Study.

Reported by R.J. Krogseng
R.J. Krogseng, TES

NOTES OF MEETING

DATE: April 8, 1981

PROJECT NUMBER: AAI 218

LOCATION: National Park Service, 540 West 5th Avenue, Anchorage

ATTENDEES: Howard R. Wagner, Associate Director, Carl Stoddard, Terry Carlstrom, Ross Cavanaugh, National Park Service; Kevin Young, Acres; J.O. Barnes, R.J. Krogseng, TES.

SUMMARY OF DISCUSSION:

Mr. Barnes outlined the history of the Susitna project and the role Acres and TES have in the present studies being conducted for the Alaska Power Authority.

Mr. Cavanaugh asked how the Fish and Wildlife studies fit into the overall planning process. He also asked what was being done about cultural resources. Mr. Cavanaugh also wanted to know what effect the project would have on the proposed Denali Scenic highway.

Mr. Wagner said that he would be very interested in the transmission line route, especially where it is near the park (Denali). If the route passes through park boundaries, the right-of-way approval may need congressional level approval. They want to keep the transmission line out of the park.

Mr. Carlstrom wanted to know what range of considerations or options were available. He commented that access could be a direct problem. The Denali National Park is only on the west side of the Parks highway, but the transmission line would have a direct impact on the land across the road. He also wanted to be sure that someone was looking at indirect impacts caused by the project.

Mr. Wagner also commented that USGS would soon have 1:250,000 scale maps with the new park boundaries marked on them.

Reported by:

R.J. Krogseng
R.J. Krogseng, TES

NOTES OF MEETING

DATE: April 8, 1981

PROJECT NUMBER: AAI 218

LOCATION: U.S. Army Corps of Engineers, Elmendorf AFB, Anchorage

ATTENDEES: Lt. Col. Perkins, Deputy District Engineer; Kevin Young, Acres;
J.O. Barnes and R.J. Krogseng, TES.

SUMMARY OF DISCUSSION:

Mr. Barnes briefly covered the role of Acres and TES in the present studies of the Susitna project being performed for the Alaska Power Authority.

Lt. Col. Perkins stated that the Corps has no funding for any work on the Susitna project.

Lt. Col. Perkins strongly feels that the state should be asking the Corps; What permits will be required? The state should also inquire about getting one blanket permit for the project.

Lt. Col. Perkins wanted to know if we knew what permits would be needed, in particular any section 404 classification of wetlands would be filled in. He recommended that the head of his environmental group be contacted.

Lt. Col. Perkins also noted that the access roads will require permits to cross wetlands; also any dredging or filling that is required. Permits will also be required for constructing the transmission lines, especially if access roads are built.

Lt. Col. Perkins pointed out that it takes a minimum of 200-220 days to process a permit, and if there are any objections they may have to be resolved in Washington, which will require even more time.

Reported by


R.J. Krogseng, TES

NOTES OF MEETING

DATE: April 9, 1981

PROJECT NUMBER: AAI 218

LOCATION: NOAA National Marine Fisheries Service, Federal Building,
Anchorage

ATTENDEES: Ronald Morris, Supervisor, Anchorage Field Office, Brad Smith,
NOAA Fisheries Biologist; J.O. Barnes and R.J. Krogseng, TES.

SUMMARY OF DISCUSSION:

Mr. Barnes gave a presentation covering the history of the Susitna project and the role of Acres and TES in the present studies being conducted for the Alaska Power Authority.

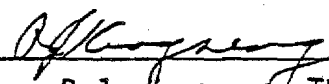
Mr. Morris and Mr. Smith are both members of the Susitna Hydro Steering Committee and they will coordinate their work with the state fisheries people.

Mr. Smith will be in contact with Dr. Dana Schmidt of TES concerning the fisheries studies.

Mr. Morris asked about dam design features and said that he will be in contact with NOAA engineers in the Oregon office.

Mr. Morris said that they appreciated the contact.

Reported by


R.J. Krogseng, TES

NOTES OF MEETING

DATE: April 9, 1981

PROJECT NUMBER: AAI 218

LOCATION: Alaska Department of Environmental Conservation, 437 E. Street, Anchorage

ATTENDEES: Bob Martin, Regional Environmental Supervisor, Steve Zrake, DEC; Kevin Young, Acres; J.O. Barnes and R.J. Krogseng, TES

SUMMARY OF DISCUSSION

Mr. Barnes outlined the history of the Susitna Project and the role of Acres and TES in the present studies being conducted for the Alaska Power Authority.

Mr. Martin asked what impacts or changes were expected on water quality or air quality. He also wanted to know if the studies were long enough to establish a proper baseline period.

Under socioeconomic, Mr. Martin wanted to know if we had studied power generation needs. He was referred to the ISER study.

Mr. Martin wanted to know if the studies would continue after the FERC application has been made. Mr. Martin also wanted to know "why the FERC application date was set so soon". As an example, Mr. Martin wanted to know why the decision on the access road had to be made so soon; he wasn't even "comfortable" with how the three routes had been selected. He stated that his department would like to keep access down because it would be easier to manage.

The Department of Environmental Conservation's interests in the Susitna area are administered out of Mr. Martins Anchorage office. His major point of contact is the Susitna Hydroelectric Project Steering Committee.

DEC's direct regulatory responsibility is waste water, drinking water, and solid waste disposal. DEC also has an interest in instream activities.

Mr. Martin recommended applying for a variance to build the construction camps to provide for drinking water and waste water and solid waste disposal.

Mr. Martin feels that the major impacts of construction activities are going to be the access roads and the locations of construction camps.

Mr. Martin said that it may be easier to have just one transportation corridor. As an example, in transportation and handling of fuel, accidents are bound to happen, like a truck may roll off the road. He feels that it is important to avoid as many critical habitat areas as possible.

Mr. Martin was also interested in the water quality studies. He feels it is very important to get a complete water quality series before road construction starts. He wants to be able to measure construction effects, such as the run off into streams from road building.

Mr. Martin is also interested in the smaller feeder streams that would be impacted by roads. He feels that 2-3 years of data from studies would be sufficient.

Mr. Martin expressed a concern about communities along the river disposing of wastes in the Susitna River.

Mr. Martin was especially concerned about the fuel transportation and storage system and the amount of fuel that would be used in a large project like Susitna. He feels it is necessary to plan to avoid or minimize accidents or spills.

Mr. Martin commented on the need to maintain ecological integrity through land use and public use planning, and to have a voice in other areas that he can't regulate. He wants to see rational land use development, something that doesn't interfere with habitat.

Mr. Martin also wants to see more attention paid to using energy alternatives such as Retherford's recommendation to use electricity to run pipeline pumps instead of using oil or gas.

Mr. Martin strongly recommended building a centralized construction camp. He also recommended building where the permanent facilities will be located.

Mr. Zrake wanted to know if under sociocultural impacts we were looking at individual desires too? He also wanted to know if this would cover the transmission line too.

Mr. Martin stated that DEC does not have any studies in progress that affect Susitna. They are working on a wetlands study with specific Alaska guidelines.

Prepared by


R.J. Krogseng

NOTES OF MEETING

DATE: April 9, 1981

PROJECT NUMBER: AAI-218

LOCATION: U.S. Fish and Wildlife Service, Tudor Road, Anchorage, Alaska

ATTENDEES: Mel Munson, Chief Ecological Services; Gary Stackhouse, F&WS;
Kevin Young, ACRES; J. O. Barnes and R. J. Krogseng, TES.

SUMMARY OF DISCUSSION:

Mr. Barnes outlined the history of the Susitna Project and the role of Acres and TES in the present studies being conducted for the Alaska Power Authority.

Mr. Munson asked what ADF&G's role was in the studies. He also wanted to know what the time frame was for all of the studies and when the EIS came into the picture. Mr. Barnes outlined the FERC process and where the different parts fit in.

Mr. Munson wanted to know if we had a preliminary permit for the project. He felt that it was important that the state file soon.

In 1952 Mr. Munson looked at 20 different proposed dams for River Basin Studies. Devil Canyon and Watana Dams were part of that study. At that time he did not find any salmon in the upper Susitna River.

Mr. Munson wanted to know if ADF&G was looking at winter moose range in the study area. From personal experience in the area, he felt that the south facing slopes on the north side of the canyon from half way between Devil Canyon to Watana were important to the moose population during the winter.

Mr. Munson has watched caribou swim the river in many different places in the Watana area, they appear to get out any place they can get up the canyon wall.

Mr. Munson commented that during peak numbers of caribou he has seen 6-8000 caribou on Mt. Watana alone. Also during peak numbers he has watched them crossing the Susitna River where many trying to swim the river would be carried down-stream and drown. He has seen hundreds of dead caribou washed up on shore.

Mr. Munson wanted to know what was planned to mitigate for losses of moose habitat. He also commented that he opposed the Denali Dam because it would flood a highly productivity area.

Mr. Munson also wanted to know if we were looking at the area above the Tyone River.

Mr. Young outlined the various dam schemes that had been considered and why the Devil Canyon - Watana scheme had been selected. Mr. Munson commented that it was a good choice.

Mr. Munson said that one of the things he was interested in was what we were going to do to mitigate for lost moose habitat. He felt that there was a need for habitat development on upper Watana Creek. Mr. Munson also suggested burning, cutting or even sprigging willows as things to consider on Tsusena Creek.

Mr. Munson was interested in the mitigation task force and its review group, although he commented that there is not much you can do for caribou.

Mr. Stackhouse asked what the status of the mitigation policy was. He hoped the group would be able to produce a policy for APA. Mr. Stackhouse also wanted to know what the basis for mitigation would be, was it going to be based on an acre for an acre or an animal for an animal?

Mr. Stackhouse also asked about the vegetation analysis that was being performed; he was concerned that the studies be of a high enough quality to be able to use HEP (Habitat Evaluation Procedures) on the vegetation studies at a later date.

Mr. Stackhouse wanted to know if any hydraulic changes were expected in the river or if any icing problems were anticipated. He was also concerned about the possibility of any vegetation changes.

Mr. Stackhouse felt there was a possibility of some problems below Devil Canyon and he wanted to know if a re-reg dam was going to be put in. Mr. Stackhouse wanted to know what the planned construction periods for the dams were going to be, and if the Devil Canyon Coffey Dam would be big enough to serve as a daily re-reg dam.

Mr. Munson asked about the expected water quality for the Susitna River between Devil Canyon and Talkeetna. He commented that it probably would have similar conditions to that found in Tazlina Lake. Mr. Munson wanted to know if any

enhancement of the fisheries was expected, like in Kenai or Skilak Lake.

Mr. Munson would like to receive a copy of R&M's Hydrology Report. He was interested in their prediction of winter ice conditions.

Mr. Stackhouse commented that he felt that one of the biggest problems in the study was the fact that ADF&G hadn't published a procedures manual for the fisheries study yet. He was also concerned that one person from ADF&G wore two hats; he worked on the Susitna project and was also involved in the state permitting process.

Mr. Stackhouse was very concerned that APA had not filed a preliminary permit yet. He commented that without the permit the F&WS has no official position to initiate a formal scoping process under their normal NEAPA-FERC procedures.

Mr. Munson commented that under standard conditions the state and federal F&WS work together on Exhibit S.

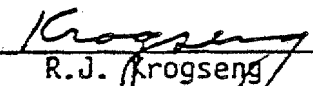
Mr. Stackhouse pointed out that they need to tie in with the work being done on transmission corridors and they also need to work with the Steering Committee.

Mr. Stackhouse feels that time is the over-riding factor in the studies. For instance, if a railroad is constructed for the access method, it would cost an extra year.

Mr. Munson summed up his comments on a recreational standpoint by pointing out that the reservoirs were not going to be good for fishing; that the Devil Canyon reservoir would provide some recreational boating, but that the main uses for the reservoirs would be to provide access for hunting.

Mr. Stackhouse commented that he would like to see a copy of the instream flow studies.

Prepared by


R.J. Krogseng

NOTES OF MEETING

DATE: April 9, 1981

PROJECT NUMBER: AAI 218

LOCATION: Bureau of Land Management, District Office, Anchorage

ATTENDEES: Art Hosterman, Lou Carufel, Gary Seitz, Bob Ward, John Rego,
BLM; Kevin Young, Acres; J.O. Barnes and R.J. Krogseng, TES

SUMMARY OF DISCUSSION

Mr. Barnes made a presentation covering the history of the Susitna Project and the role of Acres and TES in the present studies being conducted for the Alaska Power Authority. He also covered the studies and reports that are being prepared as part of the study.

Mr. Seitz wanted to know if FERC was responsible for the EIS. He also wanted to know if FERC would be asking BLM for permits or when BLM would get a chance to outline their requirements.

Mr. Rego wanted to know if FERC would be the lead agency. The present permit is good for three (3) years of studies. After that construction permits would probably be necessary.

Mr. Rego stated that he would like to see all three access routes studied; the Denali route north, the south route to Devil Canyon and the north service road between both dams. He commented that their Mr. Beckley has built a lot of roads and that he ought to take a look at the different routes.

Mr. Hosterman wanted to know "what are the biggest problems?" Also, what is the role of the State Fish and Game Department in the studies. He also wanted to know about Cultural Resources and how they were being taken care of. Mr. Hosterman also asked about Human Resources and the Natives and their interests.

Mr. Hosterman wanted to know if induced seismicity caused by the weight of the dam and reservoir was being considered. Also asked the question of how much permafrost was in the area and whether or not it was being studied.

The group also felt that public participation in study changes was a good idea.

It was also felt that "if you are going to do one right _____ this is the one."

Prepared by


R.J. Krogseng

NOTES OF MEETING

DATE: April 9, 1981

PROJECT NUMBER: AAI 218

LOCATION: Alaska Department of Fish & Game, 333 Raspberry Road, Anchorage

ATTENDEES: Carl Yanagawa, Regional Supervisor, Habitat Protection; Kevin Young, Acres; J.O. Barnes and Robert J. Krogseng, TES

SUMMARY OF DISCUSSION:

Mr. Barnes gave a short presentation outlining the history of the Susitna project and the role of Acres and TES in the present studies being conducted for the Alaska Power Authority.

Mr. Yanagawa outlined the state permit system in which Mr. Trent is still the State Coordinator for the Department of Fish and Game for permits, although Mr. Yanagawa issues the permits. Mr. Trent gathers the data and other information that Mr. Yanagawa uses to issue the permits. The normal procedure is for Mr. Yanagawa to get a consensus from the different departments to help make the final decision.

Mr. Yanagawa commented that he is presently short-handed in his department. He has a position number but no funding for it.

Mr. Yanagawa had some questions about the access roads. He especially wanted to know when the road was going to be used. He said the Department of Fish and Game would be prepared to make recommendations and trade off in regards to the access roads, but they did not have any real hang-ups about them.

As a result of a decision made in Juneau in March, Mr. Yanagawa will not be a member of the Steering Committee. The policy of the department is that Mr. Trent is the coordinator for ADF&G. The coordinator helps make the departments decisions. Mr. Trent is the only one who can raise official questions on the Susitna project.

Drawing from his pipeline experience, Mr. Yanagawa commented that this was the wrong job for a total preservationist, because sometimes you just have to get in and do your best to find the best route or method available and go with that, that not everything will be perfect. He recommended getting in and looking at routes early. Sometimes a problem can be solved by just moving the road 20 feet left or right.

Mr. Yanagawa also feels that you need to keep asking yourself "if you spend another million dollars, how much more information are you going to get"? He also feels that it is important to make everyone aware of the assumptions that you are making up front.

Mr. Yanagawa also feels that you need to pick a starting place, because you cannot wait for all the answers to come in before you start.

Also, drawing on his experience in building the pipeline, Mr. Yanagawa recommended forgetting about building a construction camp for temporary use and go ahead and design for permanent use, because you will save money in the long run.

Prepared by

Krogseng
R.J. Krogseng

NOTES OF MEETING

DATE: April 10, 1981

PROJECT NUMBER: AAI-218

LOCATION: University of Alaska, Arctic Environmental Information and Data Center, 707 A Street, Anchorage, Alaska 99501 (907) 279 - 4523

ATTENDEES: William J. Wilson, Fisheries Biologist AEIDC; Kevin Young, Acres; J. O. Barnes and R. J. Krogseng, TES.

SUMMARY OF DISCUSSION:

Mr. Barnes gave a short presentation covering the history of the Susitna Project and the role Acres and TES have in the present study being conducted for the Alaska Power Authority.

Mr. Wilson was the project Leader for the Terror Lake project on Kodiak Island, and he discussed his experience in filing the FERC license application.

Mr. Wilson was concerned about the slow start by ADF&G on the fisheries study. He felt that FERC's immediate reaction will probably be to reject the application and ask for more information. He also felt that organizations like "Susitna Now" should be aware of this and be expecting the request for more information.

Mr. Wilson feels that some of the fishery study tasks will require a lot of work, because some drainages in the Susitna basin do not have very much that is known about them.

Mr. Wilson also commented that the instream flow studies may be a problem, because there is not much expertise available capable of doing the studies.

On the Terror Lake Project Mr. Wilson said that they used joint participation where USGS, F&WS and AEIDC crew members walked the streams together to pick out the study sites, because you can't pick them off from a map. Mr. Wilson feels that you have to know what the project is going to do to the stream flows and that incremental instream flow studies will give you that flexibility.

Mr. Wilson commented that FERC would like to see an agreement between State and Federal agencies over policies and requirements.

As a member of the Susitna Hydroelectric Project Steering Committee, Mr. Wilson is concerned about the lack of information on what is going on. He felt that it took too long to hear back on the Steering Committee's comments on the procedure manuals, and that Acres should have responded sooner. Mr. Wilson also felt that the Steering Committee should have seen the access road report earlier. He feels that preliminary information should be made available to the Steering Committee as soon as possible.

Mr. Wilson feels that Acres should publish more data in a "this is what we found" format and not just "this is what we conclude".

Mr. Wilson feels that the Steering Committee should be a competent and helpful sounding board for the project. He feels that the Steering Committee can help save steps by pointing out pitfalls and other regulation mandates that need to be complied with as part of their advisory capacity. The Steering Committee cannot play a part in policy decisions, but they can give feedback on what was discussed to both sides.

As part of a University of Alaska policy, Mr. Wilson would like to see more knowledge made available to the public. He would also like to see a centralized depository or library of information on the project that would make available the procedures manuals, maps, photos, charts, diagrams, and reports from the project.

Mr. Wilson is also interested in seeing an informal Steering Committee meeting at Acres to provide an opportunity to open a dialogue with the Acres engineers.

Prepared by


R.J. Krogseng

NOTES OF MEETING

DATE: April 10, 1981

PROJECT NUMBER: AAI 218

LOCATION: Alaska Division of Natural Resources, 323 East 4th Avenue, Anchorage

ATTENDEES: Al Carson, Deputy Director, Division of Research and Development,
DNR; Kevin Young, Acres; J.O. Barnes and R.J. Krögseng, TES

SUMMARY OF DISCUSSION:

Mr. Barnes summarized the ideas and concerns that had been expressed during the series of meetings with the various agencies.

The primary request from those who were also members of the Steering Committee was the request to get information to the Steering Committee in time for them to review it before the meeting.

Also high on the list was the desire for a central depository at the library where all of the information would be available to more people.

Not everyone was knowledgeable about access roads; more information has to be distributed to get people up to speed. It should also be understood that some areas are incremental, that some minor impacts may work together to cause a major impact. It is also felt that it is important to send out the criteria on objectives that are to be used in making decisions to the Steering Committee members and ask for their comments on the fitness of the criteria.

It is also important to get the ground rules set up before a dispute has started in order to avoid tunnel vision or having people argue about different parts of a question.

There is still some confusion on how the FERC process works. It also appears necessary to get docketed or to put in a preliminary license application which will also authorize the Fish and Wildlife service to become involved in the study.

Mr. Carson said he would be willing to help reinforce any concerns such as engineering disputes that may arise.

Mr. Carson commented that he liked his meeting with APA, Acres and TES. He felt that it was open and not defensive. He also said that he is willing to start having Steering Committee meetings for discussion of problems, instead of fighting over problems.

Mr. Carson would like to see a copy of the Acres and TES monthly progress reports sent to the Steering Committee because it provides an overview of what is happening.

Mr. Carson said the Steering Committee would like to know the decision making time lines. They also would like to know when studies and reports come in.

Mr. Carson said that a critical need which he feels needs attention is the need for an understanding of technical, engineering, and socio-economic information, fed together in a holistic approach to the whole problem. He said that we need to inter-mesh ideas before people such as engineers have a vested interest in their design.

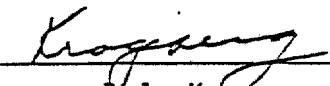
Mr. Young explained how he works closely with the design engineers to bring environmental and social concerns into the design at an early stage to try to avoid future problems.

Mr. Carson commented on the need to get input from the Steering Committee members before certain design milestones are reached.

Mr. Carson said he would like to see EIS scoping procedures and activities used in solving some of the problems.

Another suggestion Mr. Carson made was for Acres and TES to touch base with the Steering Committee with a conceptual type outline. To ask the Steering Committee members "do you think this will do it?" "will it achieve our purpose?" He feels it is important to make sure you are using the right process before you go out and do all the work.

Mr. Carson also commented that enlightened engineers are better to work with than biologists.

Prepared by: 

R.J. Kresseng

April 9, 1981
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Mr. Ronald Corso, Director
Division of Hydroelectric Project Licensing
Federal Energy Regulatory Commission
825 North Capitol St., Mail Stop 208 RB
Washington, DC 20426

Dear Mr. Corso:

Susitna Hydroelectric Project
FERC License Application

The purpose of this letter is to confirm the arrangements and agenda for the Susitna project meeting set for 9:00 a.m., Tuesday, April 21, 1981, at the FERC office. This date and time were established by Mr. Carrier of your staff and Mr. Hoover of Acres, in coordination with other Susitna study team members and the Alaska Power Authority. The purpose of this meeting is to bring the FERC staff up to date on study progress during the year since our last meeting, discuss project development selection, and address several issues of licensing concern.

Our proposed format for the meeting is to provide initially about a one-hour presentation for FERC staff's benefit. This presentation will probably consist of a 30 minute slide display to update FERC staff with the Plan of Study progress to date, followed by a 30 minute review of highlights of activities in 1980 in regard to Susitna Basin development selection, environmental studies and other relevant issues. We hope to provide appropriate hand-outs prior to the latter review. Following this presentation we can answer any staff questions or elaborate on any specific topics. Finally, we would like to discuss several areas of specific concern including:

- The positive and negative aspects of licensing each Susitna project component separately versus a single application
- The expected form and timing of the new regulations for major unconstructed projects and impacts on the Susitna application
- The extent of inclusion of transmission lines in the project application

Mr. Ronald Corso
Federal Energy Regulatory Commission

April 9, 1981
Page 2

- Specific data requirements for support of license application (e.g. access roads, camp facilities, topographic maps, etc.).
- The sufficiency of the prelicensing study coordination to date.

We expect to have representation of three to four members of the Acres study team and one or two representatives of the Authority. It would be appreciated if you could arrange for appropriate members of the FERC staff to attend. We understand that the meeting will be in the Hydro-power Licensing Division Offices at 400 First Street.

Should you have any comments or questions regarding the meeting or agenda, please do not hesitate to call.

Sincerely,



John D. Lawrence
Project Manager

PMH/lr/ljr

cc: Mr. Paul Carrier, FERC
(above address)
Mr. Eric P. Yould, APA

4/10/81

April 16, 1981
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Mr. Ronald Corso, Director
Federal Energy Regulatory Commission
400 1st Street, N.W.
Washington, D. C. 20427


Dear Mr. Corso:

Susitna Hydroelectric Project
Information Package

I have pleasure in forwarding herewith 3 copies of an information
Package for perusal by your staff for our meeting April 21.

I look forward to an interesting and productive meeting.

Sincerely,


John D. Lawrence
Project Manager

JDL/jmh

Attachment

DEPARTMENT OF NATURAL RESOURCES

RECEIVED SEP 28 1981

JAY S. HAMMOND, GOVERNOR

323 E. 4TH AVENUE
ANCHORAGE, ALASKA 99501
PHONE: (907) 279-5577

John D. Lawrence
Project Manager
Susitna Hydroelectric Project
Acres American Incorporated
900 Liberty Bank Bldg.
Main & Court Streets
Buffalo, New York 14202

In response to your request for Water Rights Research for Susitna River Basin, my staff has completed an extensive search of our computer files of water rights filed in that area. Attached is a township list of the areas searched. A complete listing as of September 21, 1981 is also attached. Computer files are updated monthly, and this search used a file which was last updated on September 10, 1981. More complete information on any of these files is available at our Southcentral District Office located at 323 East Fourth Avenue, Anchorage, Alaska, phone (907) 279-5577. We are glad to be of assistance in this matter.

THEODORE G. SMITH, Director

BY: DEAN N. BROWN, Chief
Water Management Section

[illegible]

WATER RIGHTS RESEARCH FOR SUSITNA RIVER BASIN

TOWNSHIP LIST

For each river named, numbers in first column indicate township north, and numbers in the second column indicate range west, of the Seward meridian, unless otherwise noted.

| | | | |
|-----------------|-------------------|----------------------|----------------------|
| <u>Susitna</u> | <u>Fish Creek</u> | <u>Montana</u> | <u>Kroto-Trapper</u> |
| 14 7,8 | 17 5 | 24 4 | 20 6 |
| 15 7,8 | 18 5 | 25 2,3,4 | 21 6 |
| 16 6,7 | | | |
| 17 6,7 | <u>Alexander</u> | <u>Skwentna</u> | <u>Yentna</u> |
| 18 6 | 17 8 | 17 18 | 18 7 |
| 19 5,6 | 18 8 | 18 18 | 20 8 |
| 20 5 | 19 8,9 | 19 19,20 | 21 8-10 |
| 21 4,5 | | 20 19 | 22 12 |
| 22 4,5 | <u>Willow</u> | 21 11-15,19 | 23 11,12 |
| 23 4,5 | 20 2,3 | 22 10,11,14- | 24 12,13 |
| 24 5 | 19 1,2,4 | 18 | 25 13,14 |
| 25 5 | | | 26 14 |
| 26 5 | <u>Kashwitna</u> | <u>Happy</u> | 27 14,15 |
| 27 5 | 22 1,2,3,1E | 23 18,19 | 28 14 |
| 28 4,5 | | 24 19,20 | |
| 29 4,5 | <u>Sheep</u> | | <u>Talkeetna</u> |
| 30 3,4 | 23 3 | <u>Little Willow</u> | 26 1,2,3,4 |
| 31 2,3 | 24 2,3 | 20 4 | 27 1,2,3,1E |
| | | 21 3 | |
| <u>Kahiltna</u> | <u>Chulitna</u> | <u>Tokositna</u> | <u>Chulina</u> |
| 22 8 | 30 5,6 | 29 6 | 27 4 |
| 23 8,9 | 31 4,5 | 28 6,7 | |
| 24 9 | 32 3,4 | | |
| 25 9,10 | 33 2,3 | | |
| 26 10 | 22S 11W F | | |
| 27 10 | 21S 10,11W F | | |
| 28 10 | 20S 10W F | | |