

SUSITNA HYDROELECTRIC PROJECT

PROGRESS REPORT

NOVEMBER 1982

Prepared by:



ALASKA POWER AUTHORITY

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Period: November 1982

This report covers activities on the Susitna Hydroelectric Project for the month of November 1982.

Principal activities included submission of the first draft FERC License application, the update of the Feasibility Report, and submission of Exhibit "E".

Amendment 4 task numbers are used in the following discussion.

Summary of Task Activities

Task 72 - Surveys and Site Facilities

(a) Field Camps

The Watana camp continued in a maintenance mode through November.

(b) Land Status Research

Land Field Services completed their maps for all land on the transmission line and access road corridors as well as for the damsite and reservoir areas.

(c) Land Acquisition Analysis

Based on research done on land status, schedules were prepared giving the description and ostensible owner and encumbrances of each land parcel. This information was included in Exhibit G of the FERC license draft.

(d) Access Roads

Finalization of the access road route was performed during November with the results included in the draft FERC license.

Task 73 - Hydrology

Work continued on preparation of material for Exhibit "E" of the FERC license application. Field monitoring programs continued under the R&M subcontract with all climatic stations operating satisfactorily except for the Denali Station which is idle due to equipment problems. Ice observations by observers at Talkeetna and Gold Creek continued. Work continued on development of calibration data for the Watana Reservoir model. A more complete description of activities under Task 73 for March-October 1982 is deferred to a later report due to the extensive effort involved in preparation of the license documents.

Task 75 - Geotechnical Exploration

(a) Data Reduction and Report Preparation

Work continued through the month on data reduction and preparation of the 1982 Supplemental Report to the 1980-81 Geotechnical Report. Results of the 1982 program were presented to Dr. Ralph Peck, Acres External Review Board and Drs. H. Seed, and A. Merritt of the APA External Review Board on November 18-19. The final report will be issued to APA during December 1981.

(b) Transfer to New Engineer

Meetings were held in Buffalo during November with APA and members of the Harza-Ebasco transition team. The objective of the meeting was to familiarize the new engineers with the geotechnical aspects of the site.

(c) Winter Drilling Program

Denali Drilling Company is proceeding with mobilization of the Becker Drill rig. Field work is planned to commence in January 1983 and continue into early April.

Task 76 - Design Development

(a) FERC License

Work proceeded in updating and finalizing the conceptual drawings for Exhibit F of the FERC draft application. Additional work was performed in completing the draft of the design criteria included in Exhibit F.

(b) Feasibility Report Supplement

Work continued through November in preparation of the supplement to the Feasibility Report. Discussions were held with the Power Authority regarding the submission date for this report.

Task 77 - Environmental Studies

Work continued on preparation of material for Exhibit "E" of the FERC license application which was submitted on schedule. In addition, environmental workshops were begun on November 29 to discuss the impact of the Susitna development. Due to the extensive effort involved in preparation of Exhibit "E" a more detailed review of task activities from March-October 1982 is deferred to a subsequent report.

Task 78 - Transmission

The transmission line routing was modified during November to meet the new criteria set forth by the Power Authority that the line must have year-round land access. As a result, the line has been relocated to parallel the access

road. Work in relocating the line is expected to continue in December. Modifications to the draft FERC license are anticipated to be performed during December-January.

Task 79 - Cost Estimates and Schedules

Exhibit C, Construction Schedule, and the cost estimate revisions for Exhibit D, Project Cost and Financing, were completed for the draft FERC license application.

The cost estimates and schedules were also revised for the supplement to the Feasibility Report. Draft revisions of Section 16, Estimates of Cost, and Section 17, Development of Schedules, were prepared along with an overview writeup of the cost and schedule changes for the supplement to the Feasibility Report. The changes made agreed with the information provided in the draft FERC license application.

Task 80

During the first half of the month, emphasis was placed on completing the draft license application for review with FERC. As previously agreed between Acres/APA and FERC, drafts of Exhibits A, B, C and F were delivered on November 5. At this time, two complete sets of Susitna reference documents were presented to FERC with single sets sent to the Labs at Argonne and Oak Ridge.

On November 15, copies of Exhibits D, E and G were delivered to FERC and the Labs. At that time, Exhibit E was also distributed to the agencies involved in reviewing the document during the 60 day pre-filing period (November 15 to January 15).

During the second half of November, work proceeded on updating the draft applications. Several items which were not included in the draft were addressed as coordination continued with FERC. Additional reference reports were made available and initial comments were received by telephone.

On November 29, workshops for the purpose of discussing environmental aspects of the project with the agencies were initiated.

Task 81 - Marketing & Finance

November 1982 activities under Task 81 included review and reconsideration of estimates for operating and maintenance work for Watana and Devil Canyon development stage in support of FERC license application. Preparation work was undertaken to meet the Power Authority's need for further financial analysis of Susitna Project with various schemes of financial support from the State of Alaska.

Task 83 - Administration

Work continued on subcontract monitoring and cost reporting as Amendment 4 work intensified. A review of Amendment 3 was made establish to revised "estimate to complete" for budget planning purposes.