

Frank McLoughlin, Puget Sound Power and Light Co.

NPSGP
BJC/hb
18 Jan 50

800.5(Skagit Riv & Tribs)48 NPSGP

23 January 1950

I should appreciate a reply as soon as it is convenient for you to
reply. If further information is desired, a conference with me or
my staff may be arranged at any time.

Mr. Frank McLoughlin
President, Puget Sound Power and Light Company
Stuart Building
Seattle 1, Washington

Very truly yours,

Dear Sir:

The Seattle Engineer District is making an over-all study of possible flood-control methods in the Skagit River Basin. This investigation has been requested by Congress and our work will consider all possible means of flood control, including both their engineering and economic feasibility.

Space for flood storage in Shannon Lake has been suggested as a part of any general flood-control plan for the Skagit Valley. Baker River alone is, of course, not the only cause of flooding, but the river contributes enough flood flows so as to make it worthwhile to check into means of regulating them. I wish to point out that at this time we have no plan for flood storage on Baker River and this letter should be considered as a technical inquiry.

Flood-control storage in Shannon Lake could be obtained by reducing the present lake operating level during the flood season or by raising Baker dam. Preliminary studies indicate that the cost of lost power from a reduced lake level would probably be more expensive than other means of equivalent protection. For the record, however, we would like to know what the attitude of your company would be for such a proposal assuming that full reimbursement would be made for the power lost.

In regard to the second method, raising Baker dam, we would like technical information or opinions covering the following points:

(1) Would major modification of the dam section be required to maintain its stability if new spillway gates were installed to raise the lake level 20 to 30 feet?

(2) What changes, if any, would be required in existing turbines and generators for operation under the increased heads indicated in (1)?

P 000604

*file
by you*

800.5(Skagit Riv & Tribs)48 NPSGP

800.5

NPSGP

Frank McLaglin ... Puget Sound Power and Light Co.

(3) The attitude of the Puget Sound Power and Light Company to such raising of the lake as indicated, provided that existing generating capacity were not disturbed.

I should appreciate a reply as soon as it is convenient for you to make one. If further information is desired, a conference with me or my staff may be arranged at any time.

Very truly yours,

E. C. ITSCHNER
Colonel, Corps of Engineers
District Engineer

Clark ^{137e}
Hoot ¹³
Brewell ^{MB}
Litt ¹³
Brown ¹³
Sy ¹³
Itchner /s/

cc: B.J. Clark, Eng. Div.

... flood storage in Sheslay Lake has been suggested as a part of my general flood-control plan for the Skagit Valley. Baker River dam is, of course, not the only cause of flooding, but the river is the main cause of flooding as far as the valley is concerned. I wish to point out that at this time we have no plan for flood storage on Baker River and this letter should be considered as a technical inquiry.

Flood-control storage in Sheslay Lake could be obtained by reducing the present lake operating level during the flood season or by raising Baker dam. Preliminary studies indicate that the cost of lost power from a reduced lake level would probably be more expensive than other means of equivalent protection. For the record, however, we would like to know what the attitude of your company would be for such a proposal assuming that full reimbursement would be made for the power lost.

In regard to the second method, raising Baker dam, we would like technical information or opinions covering the following points:

- (1) Would major modification of the dam section be required to maintain its stability if new spillway gates were installed to raise the lake level 20 to 30 feet?
- (2) What changes, if any, would be required in existing turbines and generators for operation under the increased heads indicated in (1)?

Handwritten notes and signatures at bottom right.

Frank McLaughlin, Forest Sound Power and Light Co.

The attitude of the Forest Sound Power and Light Company to such retaining of the facts as indicated, provided that existing gener-

... Pacific NW Region
... May, NE

COPY

Handwritten notes and scribbles on the left margin.

Very truly yours,

R. S. WESCHER
Colonel, Corps of Engineers
District Engineer

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Additional Information Chief Engineer,
Seattle District of B.C. 52.
File: 800.5 (Skagit River
1 Julius Flood Control
1949-50 48-55

cc: S. S. Clark, Inc., Div.