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Letter from Representative Burdick to Walter Burk Regarding Garrison Dam Pool Level, August 10, 1954

Usher Burdick

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HOUSE OF REPRESENTATIVES U. S.

WASHINGTON, D. C.

August 10, 1954

Respectfully referred to

Honorable Walter Burk
Attorney at Law
Williston, North Dakota

Dear Walter:

Mrs. Knudson wanted you to know that this information was requested several days ago, and the Army Engineers promised to provide it at once. However, it just now arrived in this office and is therefore being forwarded to you at this late date.

Very respectfully,

WLB

6 August 1954

Honorable Usher L. Burdick
House of Representatives
Washington, D. C.

Dear Mr. Burdick:

Reference is made to your telephone request to this office 4 August 1954 concerning the power output at Garrison Dam project based on operation of the pool at elevation 1850 and at elevation 1840. The information requested is as follows:

<u>At Garrison</u>	<u>Elevation 1850</u>	<u>Elevation 1840</u>	<u>Loss</u>
Dependable generating capacity	250,000 kw	230,000 kw	20,000 kw
Annual energy generation	1,712,000,000 kwh	1,588,000,000 kwh	124,000,000 kwh
Annual value of power	\$11,600,000	\$10,735,000	\$865,000

In order to provide a more comprehensive presentation of the difference between project operation at pool elevations 1850 and 1840 the following additional data are pertinent:

At Garrison (reduction to 1840 feet)

Annual increase in energy required for diversion pumping 24,400,000 kwh

Downstream

Loss in critical year energy (net) 48,000,000 kwh
Annual power value losses \$240,000

The total loss in annual benefits that would result from operation of the pool at elevation 1840 instead of elevation 1850 is currently estimated to be \$1,589,000. The loss to downstream states which are depending on adequately regulated flows in the Missouri River, would be in addition to these figures.

Sincerely yours,

E. C. IRSCHNER
Brigadier General, USA
Assistant Chief of Engineers
for Civil Works