

2079 No. 3

UNITED STATES OF AMERICA
FEDERAL POWER COMMISSION

Before Commissioners: Joseph C. Swidler, Chairman; L. J. O'Connor, Jr.,
Harold C. Woodward, and David S. Elack

Placer County Water Agency) Project No. 2079

ORDER APPROVING REVISED PROJECT EXHIBITS

(Issued April 17, 1964)

On January 22, 1964, Placer County Water Agency, licensee for Project No. 2079, filed for Commission approval revised Exhibits J and L drawings for the French Meadows development of the project. The filings, which were made pursuant to Articles 2 and 3 of the license, provide for the elimination of the surge shaft near the downstream portal of the French Meadows-Hell Hole Tunnel.

Through studies made by Pacific Gas and Electric Company, contractor for the purchase of the project power output, PG&E developed definite criteria for the operation of French Meadows development. On the basis of such criteria, the licensee concluded that the surge shaft is not necessary for the operation of the French Meadows plant and related facilities; that its elimination will not impair the safe operation of the unit or diminish that plant's or the project's capacity to produce electric energy; and that such elimination will result in an estimated reduction of \$240,000 in the project's capital cost.

Commission staff have reviewed the submitted designs and surge calculations and conclude that the elimination of the surge shaft from the proposed French Meadows-Hell Hole Tunnel is not detrimental to project operation and in view of the use of a relief valve at the turbines, will not result in excessive positive or negative pressures under normal load acceptance and normal or emergency load rejection operating conditions. The licensee's reduction of \$240,000 in the estimated capital cost of the project is reasonable.

The Commission finds:

(1) The following revised exhibits conform to the Commission's rules and regulations and should be approved as part of the license for the project:

Exhibit J Sheet 1 revised January 13, 1964 (FPC No. 2079-104) entitled "General Project Map."

Exhibit L Sheet 8 revised January 13, 1964 (FPC No. 2079-185) entitled "French Meadows - Hell Hole Tunnel - Plan and Profile."

Exhibit L Sheet 9 revised January 13, 1964 (FPC No. 2079-186) entitled "French Meadows Power Plant and Penstock."

(2) The following described exhibits, now part of the license and which have been superseded are hereby eliminated from the license for the project:

Exhibit J Sheet 1 revised August 1, 1962 (FPC No. 2079-111) entitled "General Project Map."

Exhibit L Sheet 8 revised August 1, 1962 (FPC No. 2079-138) entitled "French Meadows - Hell Hole Tunnel - Plan and Profile."

Exhibit L Sheet 9 revised August 1, 1962 (FPC No. 2079-139) entitled "French Meadows Power Plant - Penstock and Surge Shaft."

The Commission orders:

The revised exhibits described in finding (1) above are hereby approved as part of the license for Project No. 2079, and the exhibits described in finding (2) above as being superseded are hereby eliminated from the license.

By the Commission.

Joseph H. Gutride,
Secretary.

UNITED STATES OF AMERICA
FEDERAL POWER COMMISSION

INSTRUMENT NO. 2
LICENSE

Before Commissioners: Joseph C. Swidler, Chairman; L. J. O'Connor, Jr.,
Charles R. Ross, and Harold G. Woodward.

Placer County Water Agency) Project No. 2079

ORDER APPROVING REVISED PROJECT EXHIBITS
(Issued January 13, 1964)

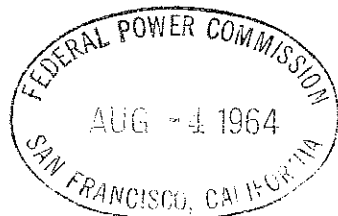
On July 12, 1963, Placer County Water Agency, of Auburn, California, licensee for proposed Project No. 2079, filed application for Commission approval of certain Exhibits J, K and L. The project affects lands of the United States within the Tahoe and Eldorado National Forests.

The licensee has made additional studies since the issuance of the license and has made modifications in the design of the project. The changes which are reflected in the exhibits would:

(1) Relocate Ralston Afterbay dam about 1,200 feet downstream on the Middle Fork of the American River and change the dam from a composite and earth-fill dam about 88 feet high with a crest length of 525 feet at elevation 1198 feet to a concrete gravity dam about 85 feet high with a crest 560 feet long at elevation 1189 feet; revise the length and diameter of the Oxbow tunnel from a 16-foot horse-shoe tunnel 1320 feet long connecting to an 11-foot in diameter steel penstock extending about 100 feet to the Oxbow Powerhouse, to a 13-1/4-foot tunnel 403 feet long terminating at the penstock of 60-foot length; and make minor revisions in the Oxbow Powerhouse turbine setting and capacity; and

(2) Make other changes in the project boundaries primarily due to minor relocations of diversion dams on the North and South Forks of Long Canyon and realignment and minor relocations of tunnels and access roads.

The licensee has advised that further geologic studies and explorations revealed subsurface conditions that make desirable the proposed relocations, and that the proposed minor changes in the Oxbow Powerhouse turbine setting reflect the additional information furnished the licensee by turbine manufacturers.



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The Department of Agriculture, in commenting on the application, advised that no special conditions for the adequate protection and utilization of National Forest land are deemed necessary, other than those already included in the license for the project.

The proposed changes result generally in improvements in the design of the project. No changes in the installed horsepower capacity of the project are herein involved. The Commission has reserved the right in the license to determine at a later date the amount of annual charges to recompense the United States for the use, occupancy, and enjoyment of its lands.

The Commission finds:

(1) Exhibit J, Sheets 1, 2, and 3 (FPC Nos. 2079-171, ~~172~~ and -173) Exhibit K, Sheets 1, 17, 21, 24, 27, 28, 39, 40 and 41 (FPC Nos. 2079-174 through -182), and Exhibit L, Sheet 31A (FPC No. 2079-183) - all revised June 14, 1963 - conform to the Commission's rules and regulations and should be approved as part of the license for the project.

(2) Exhibit J, Sheets 1, 2, and 3 (FPC Nos. 2079-111, -112, and -113), Exhibit K, Sheets 1, 17, 21, 24, 27, 28, 39, 40 and 41 (FPC Nos. 2079-114, -124, -128 through -134), and Exhibit L, Sheet 31A (FPC No. 2079-156), which are now part of the license and which have been superseded, should be eliminated from the license for the project.

The Commission orders:

(A) The revised exhibits described in finding (1) above are hereby approved as part of the license for Project No. 2079.

(B) The superseded exhibits described in finding (2) above are hereby eliminated from the license for the project.

By the Commission.

Joseph H. Cutride,
Secretary.