

Placer County Water Agency

Power System: 24625 Harrison Avenue, Box 667 • Foresthill, California 95631
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FEDERAL ENERGY
REGULATORY COMMISSION

ORIGINAL

June 7, 2004

The Secretary
Attn: DHAC (Engineering Group, Billy Guey-lee)
Federal Energy Regulatory Commission
888 First Street
Washington, D.C. 20426

Re: FERC Project No. 2079-CA

Dear Mr. Guey-lee:

The purpose of this letter is to report that the generator stator winding in the Middle Fork Powerhouse generator unit No. 2 was replaced this past Fall and Winter with installation of the new winding being completed and the unit being returned to service on February 12, 2004. Due to improvements in technology between the time when the original winding was manufactured (1965) and the new winding was manufactured, the new rating of the generator is 81,200 KW. The rating of the old winding was 54,900 KW.

Before installation of the new winding, the total installed capacity on which the annual FERC administrative charge was based was 217,453 KW. As a result of the new nameplate rating for this unit, the total installed capacity is now 223,753 KW. No other changes were made to the powerhouse. The installation of the new winding did not change the way the powerhouse is operated or the hydraulic capacity of the powerhouse.

Enclosed is a revised Exhibit M. If you have any questions, please contact me at (530) 885-8917 or sjones@pcwa.net.

Sincerely,

PLACER COUNTY WATER AGENCY

Stephen J. Jones
Power System Manager

Enclosure (eight copies)

**cc: David Breninger
Takeshi Yamashita
Edward J. Tiedemann**

Exhibit M Continued

Project No. 2079

HELL HOLE POWER PLANT

Production Equipment

One 500 mm diameter butterfly valve for turbine shutoff

One 1086 HP reaction turbine, 1200 rpm, with governor

Rated head	385 feet
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Rated flow	30 cfs
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One 725 KW, 4.16 KV, 0.8 PF, 1200 rpm, synchronous open-frame generator

Transmission Equipment

Three single phase transformers with combined rating of 750 KVA,
4.16 KV delta / 12.47 KV grounded Y

One 15 KV, 400 A disconnect switch

MIDDLE FORK POWER PLANT

Production Equipment

Two 43 inch diameter spherical valves for turbine shutoff

Two 82,000 HP six jet impulse turbines, 400 rpm, with deflectors and governors

Rated head	1832 feet
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Minimum operating head	1647 feet
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Maximum static head	2094 feet
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Two 68,000 KVA, 61,200 KW, 13.8 KV, 0.9 PF synchronous enclosed outdoor
type generators

Exhibit M Continued

Project No. 2079

Transmission Equipment

Four single-phase auto-transformers (one spare) with combined rating of 139,000 KVA, FOA; 230 KV GRD Y - 60 KV GRD Y - 13.8 KV Delta

One 230 KV, 1600 A, 10,000 MVA oil circuit breaker

Two 69 KV, 1200 A, 1500 MVA oil circuit breakers

Three 230 KV, 1200 A disconnect switches

Five 69 KV, 1200 A disconnect switches

OXBOW POWER PLANT

Production Equipment

One 60 inch diameter pressure relief valve

One 8800 HP reaction turbine, 200 rpm, with governor

Rated head 87 feet

Minimum operating head 75 feet

Maximum static head 89 feet

One 6,128 KW, 4.16 KV, 0.9 PF synchronous enclosed generator

One 45 ton gantry crane

Transmission Equipment

One three-phase transformer, 7300 KVA OA
4.16 KV Delta - 60 KV GRD Y

One 72 KV SF6 Circuit Breaker

One 69 KV, 1200 A disconnect switch

RALSTON POWER PLANT

Production Equipment

One 61 inch diameter spherical valve for turbine shutoff

One 106,000 HP six jet impulse turbine, 240 rpm, with deflectors and governor

Rated head	1250 feet
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Minimum operating head	1250 feet
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Maximum static head	1343 feet
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One 88,000 KVA, 79,200 KW, 13.8 KV, 0.9 PF synchronous enclosed outdoor type generator

Transmission Equipment

One three phase transformer; 88,000 KVA; 13.8 KV Delta - 230 KV GRD Y, FOA

One 230 KV, 1600 A, 10,000 MVA oil circuit breaker

One 230 KV, 1200 A disconnect switch