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170 FERC ¶ 62,074
UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

East Bay Municipal Utility District

Project No. 2916-083

ORDER APPROVING REVISED EXHIBIT A, REVISING PROJECT DESCRIPTION,
AND REVISING ANNUAL CHARGES

(Issued February 5, 2020)

1. On August 29, 2019, East Bay Municipal Utility District (East Bay), licensee for the Lower Mokelumne River Project No. 2916,¹ filed a revised Exhibit A for Commission approval. The licensee submitted the filing in response to a discrepancy identified during a May 2019 environmental inspection of the project and subsequent letter issued on June 10, 2019, from Commission staff. A supplemental filing was submitted on January 9, 2020. The project is located on the Mokelumne River, in Amador, Calaveras, and San Joaquin counties, California, and does not occupy federal lands.

Background

2. Article 41 of the license, as amended by an Order Approving Revised Exhibit A and Revising Annual Charges issued January 17, 1996,² (January 1996 Order) states:

“The licensee must pay the United States the following annual charge, effective the first day of the month in which this order is issued.

For the purpose of reimbursing the United States for the cost of administration of Part I of the Federal Power Act, a reasonable amount as determined in accordance with the provisions of the Commission’s regulations in effect from time to time. The authorized installed capacity for that purpose is 33,048 kilowatts (kW).”

3. During an environmental inspection of the project conducted on May 15 and 16, 2019, Commission staff identified a discrepancy between the authorized and installed capacities in generator Units 1 and 2 at the Pardee Development. In a letter issued June 10, 2019, Commission staff requested East Bay to file a revised Exhibit A, within 30 days

¹*East Bay Municipal Utility District*, 14 FERC ¶ 62,237 (1981).

²*East Bay Municipal Utility District*, 74 FERC ¶ 62,010 (1996).

from the issuance day of the letter, to correct the installed capacity of the units. In a response letter filed July 10, 2019, East Bay stated that in 2013 the generator stators were rewound, and supplemental nameplates were installed to Units 1 and 2 after the stator windings. East Bay requested a 45-day extension of time to file the Revised Exhibit A. In the January 9, 2020 supplemental filing, East Bay submitted supporting calculations of the installed capacity of the units.³ The following Table 1 shows the authorized installed capacity as amended by the January 1996 Order.

Table 1 Authorized Installed Capacities

Development	Authorized Capacity (KW)
Pardee	23,598
Camanche	9,450

Review

4. According to 18 C.F.R. §11.1(i) (2019), the authorized installed capacity means the lesser of the ratings of the generator or turbine units. The rating of a generator is the product of the continuous-load capacity rating of the generator in kilovolt-amperes (kVA) and the system power factor in kW/kVA. The rating of a turbine is the product of the turbine's capacity in horsepower (hp) at best gate (maximum efficiency point) opening under the manufacturer's rated head times a conversion factor of 0.75 kW/hp.

5. Based on the information provided in the revised Exhibit A and the Commission's definition of authorized installed capacity, the calculated authorized capacities are shown in the following Table 2.

Table 2: Calculated Authorized Capacity for the Lower Mokelumne River Project

Units	Turbine Capacity		Generator Capacity			Authorized Capacity
	(HP)	(kW)	(KVA)	(PF)	(kW)	(kW)

³ East Bay contracted an engineering consultant to evaluate and correct the installed capacity and to make revisions of Exhibit A.

Pardee						
Unit 1	13,600	10,200	11,500	0.87	10,005	10,005
Unit 2	13,600	10,200	11,500	0.87	10,005	10,005
Unit 3	14,500	10,875	9,050	0.95	8,598	8,598
Total						28,608
Camanche						
	(HP)	(kW)	(kW)	(PF)	(kW)	(kW)
Unit 1	4,200	3,150	3,750	0.95	3,563	3,150
Unit 2	4,200	3,150	3,750	0.95	3,563	3,150
Unit 3	4,200	3,150	3,750	0.95	3,563	3,150
Total						9,450
	Total Project					38,058

6. Based on the limiting factor of turbine/generator capacity, the installed capacity of Units 1 and 2 at the Pardee Development are limited by the installed capacity of the generators. There is no change to the authorized capacity of Unit 3 that is also limited by the generator capacity. In addition, there is no change to the authorized installed capacity at the Camanche Development, which is limited by the capacity of the turbines. The change to the installed capacity at the Pardee Development will revise the total installed capacity of the Lower Mokelumne River Project to 38,058 kW.

7. We reviewed the revised Exhibit A submitted on August 29, 2019 and found that it corrects the installed capacity discrepancy at the Pardee Units 1 and 2. The revised Exhibit A conforms to the Commission's rules and regulations should be approved.

8. This order will revise the project description in the license to reflect the revised capacity of the project, as directing in ordering paragraph (B) of this order. This order will also revise the annual charges under Article 41 of the license for the purpose of reimbursement to the United States Government for the costs of administration of Part I of the Federal Power Act. The annual charges will be based on 38,058 kW, effective the day of issuance of this order, as directing in ordering paragraph (C) of this order.

The Director orders:

(A) East Bay Municipal Utility District's revised Exhibit A, filed on August 29, 2019, for the Lower Mokelumne River Project No. 2916, conforms to the Commission's rules and regulations, and is approved and made part of the license. The previous Exhibit A is eliminated from the license.

(B) Ordering paragraph B(2) of the license for the Lower Mokelumne River Project, is revised to read as follows:

(2) Project works consisting of: (1) the *Pardee Dam*, a concrete gravity-arch structure 1,337 feet long and 345 feet high; (2) the Pardee Dam Main Spillway, and 360-foot long concrete overflow ogee structure divided into 20 bays at 40 feet each for a total width of 800 feet and 360 feet high; (3) the Jackson Creek Dike, an earth filled structure 1,360 feet long and 37 feet high; (4) the Pardee reservoir with gross storage capacity of 209,950 acre-feet at pool elevation of 567.65 feet; (5) a powerhouse located at the base of the Pardee Dam and containing two Francis-type turbine-generator units rated at 10,005 kW capacity each, and a Francis-type turbine-generator unit of 8,598 kW capacity, for a total installed capacity of 28,608 kW; (6) the Camanche Dam, a rock-fill structure with impervious core 2,640 feet long and 171 feet high located approximately 11 miles downstream from Pardee Dam; (7) the *Camanche Dam Spillway*, a 1,600-foot long concrete overflow ogee structure 400 feet wide and 37 feet high; (8) the Camanche Reservoir with gross storage capacity of 417,120 acre-feet at pool elevation of 235.50 feet; (9) a powerhouse, constructed at the base of the Camanche Dam, containing three Kaplan-type turbine-generator units rated at 3,150 kW capacity each, for a total installed capacity of 9,450 kW; (10) three phase 6.9 to 66/114.3 kV installed on the deck of the Pardee powerhouse (12) one three phase 6.9 kV to 67 kV located outside the Camanche powerhouse, and (13) appurtenant facilities.

(C) Article 41 of the license is revised to read:

The licensee must pay the United States the following annual charge, effective the first day of the month in which this order is issued.

For the purpose of reimbursing the United States for the costs of administration of Part I of the Federal Power Act, a reasonable amount as determined in accordance with the provisions of the Commission's regulations in effect from time to time. The authorized installed capacity for that purpose is 38,058 kW.

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(D) This order constitutes final agency action. Any party may file a request for rehearing of this order within 30 days from the date of its issuance, as provided in section 313(a) of the Federal Power Act, 16 U.S.C. § 8251 (2018), and the Commission's regulations at 18 C.F.R. § 385.713 (2019). The filing of a request for rehearing does not operate as a stay of the effective date of this order, or of any other date specified in this order. The licensee's failure to file a request for rehearing shall constitute acceptance of this order.

Kelly Houff
Chief, Engineering Resources Branch
Division of Hydropower Administration
and Compliance

Document Content(s)

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