

141 FERC ¶ 62,011
UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Hydro Energies Corporation

Project No. 5313-013

ORDER AMENDING LICENSE
AND REVISING ANNUAL CHARGES

(Issued October 4, 2012)

1. On April 11, 2012, Hydro Energies Corporation, licensee for the Dewey's Mill Hydroelectric Project, FERC No. 5313, filed an application to amend its license to revise the project's authorized installed capacity. The Project is located at the U.S. Army Corps of Engineers' Dewey's Mill Dam on the Ottauquechee River in Windsor County, Vermont.

BACKGROUND

2. On January 20, 1983, the Commission issued a new license for the Dewey's Mill Project,¹ which authorized two generating units with ratings of 1,500 kilowatts (kW) for unit No. 1 and 340 kW for unit No. 2, for a total installed capacity of 1,840 kW. On July 14, 1987, the licensee filed as-built Exhibit F drawings showing the constructed project.² As-built Exhibit F-3 drawing shows the nameplates of the generating units to have a total installed capacity of 1,898 kW; Unit No. 1 with a rating of 1,554 kW and Unit No 2 with a rating of 353 kW.

AMENDMENT

3. In the current filing the licensee states there is a discrepancy between the installed capacities reported on the as-built Exhibit F-3 drawing that was filed on July 14, 1987, and the actual nameplate ratings that are on the installed generating units. According to the licensee, the discrepancy is due to an incorrect "nameplate rating" data provided on the Exhibit F-3. The licensee is not proposing any modifications to the existing project facilities and operations, which remain the same as originally constructed.

4. The licensee describes the generating units as follows: Unit 1 consists of a turbine with a nameplate capacity of 2,695 kW and flow rating of 900 cubic feet per second (cfs), linked to a Siemens-Allis synchronous generator with a nameplate rating of 2,500 kW at 100 percent power factor. Unit 2 is a 34.5 inch diameter Obermeyer double regulated

¹ See 22 FERC ¶ 62,063 (1983)

² See 40 FERC ¶ 62,325 (1987)

bulb turbine with a nameplate capacity of 553 kW and a flow rating of 187 cfs, linked to a Seimens-Allis induction generator with a nameplate rating of 400 kW at 80 percent power factor. The licensee included in the filing a revised Exhibit A and Exhibit F-3 drawing reflecting the above corrected information about the generating units.

5. The licensee believes that the nameplate currently affixed to the turbines and generators are the original nameplates which were in place in 1987 when the Exhibit F-3 drawing was filed by a previous licensee. It is not clear why the incorrect capacity data was provided on the Exhibit F-3 drawing. Therefore, the licensee proposes to revise the total authorized installed capacity of the project from 1,898 kW to 2,900 kW, as shown in table 1.

Table 1

| | Turbine Capacity (kW) | Generator Capacity (kW) | Authorized Installed Capacity (kW) |
|--------------|--------------------------|----------------------------|--|
| Unit #1 | 2,695 | 2,500 | 2,500 |
| Unit #2 | 553 | 400 | 400 |
| Total | 3,248 | 2,900 | 2,900 |

CONSULTATIONS

6. The licensee consulted with the U.S. Army Corps of Engineers, the U.S. Fish and Wildlife Service (FWS) and the Vermont Department of Environmental Conservation (VDEC). Only the FWS and the VDEC provided comments indicating they have no objections, and the VDEC said it is waiving 401 certification.

DISCUSSION

7. In 1995, the Commission amended its annual charge regulations to define “authorized installed capacity” as the lesser of the ratings of the generator or turbine units. See 18 C.F.R. § 11.1(i).³ Section 11.1(i) states further:⁴

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. If the generator or turbine

³ Charges and Fees for Hydroelectric Projects, Order No. 576, 60 Fed. Reg. 15,040 (1995), FERC Stats. & Regs. ¶ 31,016 (1995).

⁴ *Id.*, ¶ 31,016 at 31,303.

installed has a rating different from that authorized in the license or exemption, or the installed generator is rewound or otherwise modified to change its rating, or the turbine is modified to change its rating, the licensee or exemptee must apply to the Commission to amend its authorized installed capacity to reflect the change.

8. Based on the above, this order: (1) amends the project description to reflect the actual capacity of the generating units as set forth above, as shown in ordering paragraph (B); (2) approves the revised Exhibit A and Exhibit F-3 drawing, as shown in ordering paragraph (C); (3) requires the filing of the approved F-3 drawing in aperture card and electronic file format, as shown in ordering paragraph (D); and (4) revises Article 40(a) of the license to amend the authorized installed capacity basis for annual charges for administration of Part I of the Federal Power Act, to 2,900 kW, as shown in ordering paragraph (E).

The Director orders:

(A) The license for the Dewey's Mill Project No. 5313 is amended as provided in this order, effective on the issuance date of this order.

(B) Project Description under ordering paragraph (B)(2)(e) of the license, is revised to read as follows:

The project would utilize the existing Corps of Engineers Dewey's Mills Dam and Reservoir and would consist of: (1) three-foot-high flashboards; (2) two existing steel penstocks; 8 feet in diameter and 6 feet in diameter, respectively; (3) a powerhouse containing two generating units with a total authorized installed capacity of 2,900 kW, as shown in table 1 of this order; (4) a switchyard; (5) a 4,500-foot long transmission line; and (6) appurtenant facilities.

(C) The revised Exhibit A consisting of 4 pages and the following revised Exhibit F-3, filed on April 11, 2012, are approved and made part of the license:

| Exhibit | FERC Drawing No. | Showing | Superseding |
|---------|------------------|--|-------------|
| F-3 | 5313-7 | Elevations, Sections, and Generating Units Data | 5313-6 |

(D) Within 45 days of the date of issuance of this order, the licensee shall file the approved exhibit drawings in aperture card and electronic file formats.

(a) Three copies of the approved exhibit drawing shall be reproduced on silver or gelatin 35mm microfilm. All microfilm shall be mounted on type D (3-

1/4" X 7-3/8") aperture cards. Prior to microfilming, the FERC Drawing Number (i.e., P-5313-7) shall be shown in the margin below the title block of the approved drawings. After mounting, the FERC Drawing Number shall be typed on the upper right corner of each aperture card. Additionally, the Project Number, FERC Exhibit (i.e., F-3), Drawing Title, and date of this order shall be typed on the upper left corner of each aperture card. See Figure 1.

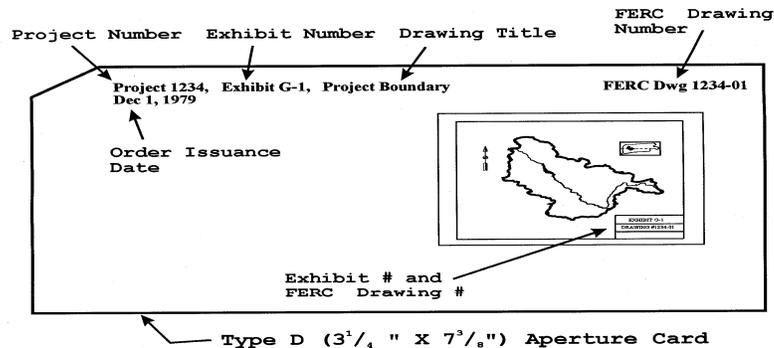


Figure 1. Sample Aperture Card Format

Two sets of aperture cards shall be filed with the Secretary of the Commission, ATTN: OEP/DHAC. The third aperture card set shall be filed with the Commission's Division of Dam Safety and Inspections New York Regional Office.

- (b) The licensee shall file two copies of the approved exhibit drawing in electronic format with the Secretary of the Commission, ATTN: OEP/DHAC. A third copy shall be filed with the Commission's Division of Dam Safety and Inspections New York Regional Office. Exhibit F drawings must be segregated from other project exhibits, and identified as **(CEII) material under 18 CFR §388.113(c)**. Each drawing must be a separate electronic file, and the file name shall include: FERC Drawing Number, FERC Exhibit, Drawing Title, date of this order, and file extension [i.e., P-5313, F-3, Elevations and Sections, MM-DD-YYYY.TIF]. Electronic drawings shall meet the following format specification:

IMAGERY - black & white raster file
 FILE TYPE – Tagged Image File Format, (TIFF) CCITT Group 4
 RESOLUTION – 300 dpi
 DRAWING SIZE FORMAT – 24” X 36” (min), 28” X 40” (max)
 FILE SIZE – less than 1 MB

(E) Article 40(a) of the license is revised to read as follows:

(a) For the purpose of reimbursing the United States for the costs of administration of Part I of the FPA, 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 2,900 kW.

(F) 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 FPA, 16 U.S.C. § 8251 (2006), and the Commission's regulations at 18 C.F.R. § 385.713 (2012). 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.

M. Joseph Fayyad
Engineering Team Lead
Division of Hydropower Administration
and Compliance

Document Content(s)

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