

(9) An estimate of the cost to develop the license application; and

(10) The on-peak and off-peak values of project power, and the basis for estimating the values, for projects which are proposed to operate in a mode other than run-of-river.

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(h) *Exhibit G* is a map of the project that must conform to the specifications of § 4.39. In addition, each exhibit G boundary map must be submitted in a geo-referenced electronic format—such as ArcView shape files, GeoMedia files, MapInfo files, or any similar format. The electronic boundary map must be positionally accurate to + 40 feet, in order to comply with the National Map Accuracy Standards for maps at a 1:24,000 scale (the scale of USGS quadrangle maps). The electronic exhibit G data must include a text file describing the map projection used (*i.e.*, UTM, State Plane, Decimal Degrees, etc.), the map datum (*i.e.*, feet, meters, miles, etc.). Three copies of the electronic maps must be submitted on compact disk or DVD. If more than one sheet is used for the paper maps, the sheets must be numbered consecutively, and each sheet must bear a small insert sketch showing the entire project and indicate that portion of the project depicted on that sheet. Each sheet must contain a minimum of three known reference points. The latitude and longitude coordinates, or state plane coordinates, or each reference point must be shown. If at any time after the application is filed there is any change in the project boundary, the applicant must submit, within 90 days following the completion of project construction, a final exhibit G showing the extent of such changes. The map must show:

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(3) * * *

(iv) The project location must include the most current information pertaining to affected Federal lands as described under § 4.81(b)(5).

(4) * * *

(ii) Lands over which the applicant has acquired or plans to acquire rights to occupancy and use other than fee title, including rights acquired or to be acquired by easement or lease.

■ 15. Amend § 4.51 as follows:

■ a. In paragraph (c)(2)(i), remove “a flow duration curve” and add “monthly flow duration curves” in its place and remove “curve” the second place it appears and add “curves” in its place.

■ b. In paragraph (c)(2)(iii), before the word “maximum”, add “minimum and”.

■ c. Paragraph (e)(4) is revised.

■ d. Paragraphs (e)(7)–(9) are added.

■ e. Paragraph (g) is revised.

■ f. Paragraph (h) is revised.

The revised and added text reads as follows:

§ 4.51 Contents of application.

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(e) * * *

(4) A statement of the estimated average annual cost of the total project as proposed specifying any projected changes in the costs (life-cycle costs) over the estimated financing or licensing period if the applicant takes such changes into account, including:

- (i) Cost of capital (equity and debt);
- (ii) Local, state, and Federal taxes;
- (iii) Depreciation and amortization;
- (iv) Operation and maintenance expenses, including interim replacements, insurance, administrative and general expenses, and contingencies; and

(v) The estimated capital cost and estimated annual operation and maintenance expense of each proposed environmental measure.

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(7) An estimate to develop the cost of the license application;

(8) The on-peak and off-peak values of project power, and the basis for estimating the values, for projects which are proposed to operate in a mode other than run-of-river; and

(9) The estimated average annual increase or decrease in project generation, and the estimated average annual increase or decrease of the value of project power, due to a change in project operations (*i.e.*, minimum bypass flows; limits on reservoir fluctuations).

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(g) Exhibit F. *See* § 4.41(g) of this chapter.

(h) Exhibit G. *See* § 4.41(h) of this chapter.

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§ 4.60 [Amended]

■ 16. Amend § 4.60 as follows:

■ In paragraph (b), remove “Division of Public Information” and add “Public Reference Room” in its place.

■ 17. Amend § 4.61 as follows:

■ a. In paragraph (c)(1)(vii), after the first appearance of “estimated” add “minimum and maximum”. After “1.5 megawatts,” remove “a” and add “monthly” in its place. Remove “curve” and add in its place “curves”.

■ b. Paragraph (c)(1)(x) is added.

■ c. Paragraphs (c) (3) through (9) are added.

■ d. Paragraph (e) is revised.

■ e. Paragraph (f) is revised.

The revised and added text reads as follows:

§ 4.61 Contents of application.

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(c) * * *

(1) * * *

(x) The estimated capital costs and estimated annual operation and maintenance expense of each proposed environmental measure.

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(3) An estimate of the cost to develop the license application; and

(4) The on-peak and off-peak values of project power, and the basis for estimating the values, for project which are proposed to operate in a mode other than run-of-river.

(5) The estimated average annual increase or decrease in project generation, and the estimated average annual increase or decrease of the value of project power due to a change in project operations (*i.e.*, minimum bypass flows, limiting reservoir fluctuations) for an application for a new license;

(6) The remaining undepreciated net investment, or book value of the project;

(7) The annual operation and maintenance expenses, including insurance, and administrative and general costs;

(8) A detailed single-line electrical diagram;

(9) A statement of measures taken or planned to ensure safe management, operation, and maintenance of the project.

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(e) *Exhibit F*. *See* § 4.41(g) of this chapter.

(f) *Exhibit G*. *See* § 4.41(h) of this chapter.

§ 4.70 [Amended]

■ 18. In § 4.70, remove “or other hydroelectric power project authorized by Congress”.

§ 4.81 [Amended]

■ 19. In § 4.81, paragraph (b)(5) is revised to read as follows:

The revised text reads as follows:

§ 4.81 Contents of application.

* * * * *

(b) * * *

(5) All lands of the United States that are enclosed within the proposed project boundary described under paragraph (e)(3) of this section, identified and tabulated on a separate sheet by legal subdivisions of a public land survey of the affected area, if available. If the project boundary includes lands of the United States, such lands must be identified on a completed land description form, provided by the Commission. The