

wilderness study area under the Wilderness Act.

(iv) *Proposed Action and Action Alternatives.* (A) Explain the effects of the applicant's proposal on environmental resources. For each resource area addressed include:

(1) A discussion of the affected environment;

(2) An analysis of the proposed action and any other recommended alternatives or measures; and

(3) Any unavoidable adverse impacts.

(B) The Environmental Document must contain, with respect to the resources listed in the Pre-Application Document provided for in § 5.3, and any other resources identified in the Commission's environmental scoping document prepared pursuant to the National Environmental Policy Act and § 5.3, the following information, *commensurate with the scope of the project*:

(1) *Affected Environment.* The applicant must provide a detailed description of the affected environment or area(s) to be affected by the proposed project by each resource area. This information should be consistent with the information provided in the revised Pre-Application Document, plus any additional information on affected environment that the applicant has identified through implementation of its approved study plan.

(2) *Environmental Analysis.* The applicant must present the results of its studies conducted under the approved study plan by resource area and use the data generated by the studies to evaluate the beneficial and adverse environmental effects of its proposed project. This section shall also include, if applicable, a description of any anticipated continuing environmental impacts of continued operation of the project, and the incremental impact of proposed new development of project works or changes in project operation.

(3) *Proposed Environmental Measures.* The applicant must provide, by resource area, any proposed new environmental measures, including, but not limited to, changes in the project design or operations, to address the environmental effects identified above and its basis for proposing the measures. This section shall also include a statement of existing measures to be continued for the purpose of protecting and improving the environment and any proposed preliminary environmental measures received from the consulted resource agencies or tribes. If an applicant does not adopt a preliminary environmental measure proposed by a resource agency, Indian tribe, or member of the public, it shall include

its reasons, based on project-specific information.

(4) *Unavoidable Adverse Impacts.* Based on the environmental analysis, discuss any adverse impacts that would occur despite the recommended environmental measures. Discuss whether any such impacts are short or long-term, minor or major, cumulative or site-specific.

(5) *Developmental Analysis.* (i) Discuss the economic benefits of the proposed action, the estimated costs of various alternatives, and environmental recommendations and their effect on project economics. Evaluate the cost of each measure considered and give the total and annual levelized costs and net benefits of:

(A) The existing conditions—the way the project operates now;

(B) As proposed by the applicant (the proposed action); and

(C) Any other action alternatives.

(ii) Estimate the value of the developmental resources—power generation, water supply, irrigation, navigation, and flood control—under each alternative considered. Discuss economic benefits of the project or project capacity expansion. For those measures that reduce the amount of project power or the value of the project power, estimate the cost to replace these power benefits. Provide separate economic information for each recommended measure so that the approximate cost of any reasonable combination of measures can be calculated.

(v) *Consistency with Comprehensive Plans.* Identify relevant comprehensive plans and explain how and why the proposed project would, would not, or should not comply with such plans and a description of any relevant resource agency or Indian tribe determination regarding the consistency of the project with any such comprehensive plan.

(vi) *Consultation Documentation.* Include a list containing the name, and address of every Federal, state, and interstate resource agency, Indian tribe, or member of the public with which the applicant consulted in preparation of the Environmental Document.

(vii) *Literature cited.* Cite all materials referenced including final study reports, journal articles, other books, agency plans, and local government plans.

(2) The applicant must also provide in the Environmental Document:

(i) Functional design drawings of any fish passage and collection facilities or any other facilities necessary for implementation of environmental measures, indicating whether the facilities depicted are existing or proposed (these drawings must conform

to the specifications of § 4.39 of this chapter regarding dimensions of full-sized prints, scale, and legibility);

(ii) A description of operation and maintenance procedures for any existing or proposed measures or facilities;

(iii) An implementation or construction schedule for any proposed measures or facilities, showing the intervals following issuance of a license when implementation of the measures or construction of the facilities would be commenced and completed;

(iv) An estimate of the costs of construction, operation, and maintenance, of any proposed facilities, and of implementation of any proposed environmental measures, including a statement of the sources and extent of financing; and

(v) A map or drawing that conforms to the size, scale, and legibility requirements of § 4.39 of this chapter showing by the use of shading, cross-hatching, or other symbols the identity and location of any measures or facilities, and indicating whether each measure or facility is existing or proposed (the map or drawings in this exhibit may be consolidated).

(c) *Information to be provided by an applicant for new license: Filing requirements.*

(1) *Information to be supplied by all applicants.* All applicants for a new license under this part must file the following information with the Commission:

(i) A discussion of the plans and ability of the applicant to operate and maintain the project in a manner most likely to provide efficient and reliable electric service, including efforts and plans to:

(A) Increase capacity or generation at the project;

(B) Coordinate the operation of the project with any upstream or downstream water resource projects; and

(C) Coordinate the operation of the project with the applicant's or other electrical systems to minimize the cost of production.

(ii) A discussion of the need of the applicant over the short and long term for the electricity generated by the project, including:

(A) The reasonable costs and reasonable availability of alternative sources of power that would be needed by the applicant or its customers, including wholesale customers, if the applicant is not granted a license for the project;

(B) A discussion of the increase in fuel, capital, and any other costs that would be incurred by the applicant or its customers to purchase or generate