

Appendix C

Sample Feasibility Study Outline

[Note: This is a sample only. It is the responsibility of the Applicant/Grantee to ensure that all topics relevant to their particular project are included and other elements deleted.]

- I. Executive Summary
- II. Technical Feasibility Analysis
 - a. Site Evaluation
 - i. Site characteristics
 - ii. Suitability and/or condition of existing structures
 - 1. Identification of repairs needed in next 20 years
 - iii. Site accessibility
 - b. Resource assessment
 - i. Head and flow
 - ii. Seasonal issues, including habitat, wildlife, recreation, etc.
 - c. Project elements and options
 - i. Technology and equipment
 - ii. Infrastructure modification and/or repair
 - iii. Potential impacts to flows, habitat, and species
 - iv. Options to enhance ecological values
 - v. Estimated energy production of candidate configuration(s)
 - vi. Interconnection needs
 - d. On-site energy use opportunity
 - i. Description of current energy facilities
 - ii. Current (or future) energy profiles and loads
 - e. Regulatory analysis
 - i. FERC license or amendment, other permits, interconnection
 - 1. approval processes
 - 2. timeframes
 - ii. MA Renewable Portfolio Standard qualification
 - 1. Evaluation of Low Impact Hydropower Institute certification criteria
 - f. Summary of technical analysis and comparison of options
- III. Financial Feasibility Analysis
 - a. Project development, construction and management costs of candidate options
 - b. Project revenue flows for energy and RECs, including assumptions for long term contracts, as appropriate
 - c. Project financing options
 - d. Preliminary project pro-forma(s) for recommended option (or alternatives) -- under alternative financing options, if any
- IV. Feasibility Study Summary and Recommendations
 - a. Narrative summary of recommended project
 - b. Issues requiring resolution or further study
 - c. Recommendations for action and next steps