

MIDDLE FORK AMERICAN RIVER PROJECT (FERC Project No. 2079)

VOLUME 1 – INITIAL STATEMENT, EXHIBITS A, B, C, D, G, AND H (PUBLIC INFORMATION)

Initial Statement

- Exhibit A: Description of the Project
- Exhibit B: Project Operation and Resource Utilization
- Exhibit C: Construction History
- Exhibit D: Statement of Costs and Financing
- Exhibit G: Project Maps
- Exhibit H: General Information

VOLUME 2 – EXHIBIT F (CRITICAL ENERGY INFRASTRUCTURE INFORMATION [CEII])

- Exhibit F: Design Drawings

VOLUME 3 – EXHIBIT E SECTIONS 1 THROUGH 16 AND APPENDICES (PUBLIC INFORMATION)

Exhibit E

INTRODUCTION

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- 2.0 PURPOSE OF ACTION AND NEED FOR POWER
- 3.0 NO-ACTION ALTERNATIVE
- 4.0 PROPOSED ACTION
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- 15.0 LIST OF PREPARERS
- 16.0 LITERATURE CITED

Appendices

- Appendix A. Section 4.0, Proposed Action
 - Appendix A. Modified or New Facility Construction Activities and Concept Designs
- Appendix B. Section 7.0, Affected Environment
 - Appendix B1. Example Hydrographs Showing Impaired and Unimpaired Flows at the Top and Bottom of the Bypass and Peaking Reaches
 - Appendix B2. Habitat Area versus Flow Relationships and Effective Habitat Analyses
 - Appendix B3. Overview of the USDA-FS Visual Management System
- Appendix C. Section 8.0, Environmental Analysis of the Proposed Action
 - Appendix C1a. Habitat Time Series Relationships
 - Appendix C1b. Wetted Perimeter Time Series Analysis
 - Appendix C1c. Reservoir Water Surface Elevation Plots
 - Appendix C2. Construction Air Quality Emission Model
 - Appendix C3. Operations Model Description Summary

VOLUME 3 – EXHIBIT E SUPPORTING DOCUMENT A (SD A) (PUBLIC INFORMATION)

SD A Proposed Environmental Measures

INTRODUCTION

AQUATIC RESOURCES – MANAGEMENT AND MONITORING PLANS

- Flow and Reservoir Monitoring Plan
- Fish Population Monitoring Plan
- Foothill Yellow-Legged Frog Monitoring Plan
- Geomorphology Monitoring Plan (*in development*)
- Riparian Monitoring Plan (*in development*)
- Sediment Management Plan
- Water Temperature Monitoring Plan

AQUATIC RESOURCES – MEASURES

- Instream Flow and Reservoir Minimum Pool Measure

LAND MANAGEMENT – MANAGEMENT PLANS

- Transportation System Management Plan
- Fire Prevention and Suppression Plan

RECREATION RESOURCES – MANAGEMENT PLANS

- Recreation Plan
- Visual Management Plan (*in development*)

TERRESTRIAL RESOURCES – MANAGEMENT PLANS

- Vegetation and Integrated Pest Management Plan
- Bald Eagle Management Plan

VOLUME 3 – EXHIBIT E SUPPORTING DOCUMENT B (SD B) (PUBLIC INFORMATION)

SD B Final Technical Study Reports

INTRODUCTION

AQUATIC RESOURCES

- AQ 1: Instream Flow (2010)
- AQ 2: Fish Population (2007–2009)
- AQ 3: Macroinvertebrate and Aquatic Mollusk (2007)
- AQ 3: Aquatic Mollusk (2008)
- AQ 4: Water Temperature Modeling (2010)

VOLUME 3 – EXHIBIT E SUPPORTING DOCUMENT B (SD B) (PUBLIC INFORMATION)

SD B Final Technical Study Reports (continued)

AQUATIC RESOURCES (CONTINUED)

- AQ 5: Bioenergetics (*in development*)
- AQ 6: Fish Passage (2008)
- AQ 7: Entrainment Contingency Study (*in development*)
- AQ 8: Reservoir Fish Habitat (*in development*)
- AQ 9: Geomorphology (2008)
- AQ 9: Geomorphology (2010)
- AQ 10: Riparian Resources (2010)

**VOLUME 3 – EXHIBIT E SUPPORTING DOCUMENT B (SD B)
(PUBLIC INFORMATION)**

AQUATIC RESOURCES (CONTINUED)

- AQ 11: Water Quality (2007)
- AQ 11: Contingency Water Quality: Methylmercury Fish Tissue Sampling (2007–2009)
- AQ 12: Special-Status Amphibian and Aquatic Reptile (2007)
- AQ 12: Special-Status Amphibian and Aquatic Reptile Supplemental Report: California Red-Legged Frog Protocol-Level Survey Report (2010)

**VOLUME 3 – EXHIBIT E SUPPORTING DOCUMENT B (SD B)
(PUBLIC INFORMATION)**

SD B Final Technical Study Reports (continued)

CULTURAL RESOURCES

- CUL 1: Cultural Resources (2007)
- CUL 1: Cultural Resources (2008)

LAND MANAGEMENT

- LAND 1: Transportation System (2008)
- LAND 2: Fire Prevention and Response (2008)
- LAND 3: Emergency Action and Public Safety (2010)
- LAND 4: FERC Project Boundary and Authorization (2008)

**VOLUME 3 – EXHIBIT E SUPPORTING DOCUMENT B (SD B)
(PUBLIC INFORMATION)**

SD B Final Technical Study Reports (continued)

RECREATION RESOURCES

- REC 1: Recreation Use and Facilities (2010)
- REC 2: Recreation Visitor Surveys (2010)
- REC 3: Reservoir Recreation Opportunities (2010)

**VOLUME 3 – EXHIBIT E SUPPORTING DOCUMENT B (SD B)
(PUBLIC INFORMATION)**

SD B Final Technical Study Reports (continued)

RECREATION RESOURCES (CONTINUED)

- REC 4: Stream-based Recreation Opportunities (2010)
- REC 4: Contingency Whitewater Boating Study (2010)
- REC 5: Visual Quality Assessment (2008)

**VOLUME 3 – EXHIBIT E SUPPORTING DOCUMENT B (SD B)
(PUBLIC INFORMATION)**

SD B Final Technical Study Reports (continued)

TERRESTRIAL RESOURCES

- TERR 1: Vegetation Communities and Wildlife Habitat (2007)
- TERR 2: Special-Status Plants (2008)
- TERR 3: Noxious Weed (2008)
- TERR 4: Special-Status Wildlife (2008)
- TERR 5: Bald Eagle (2008)
- TERR 6: Special-Status Bats (2007)

**VOLUME 3 – EXHIBIT E SUPPORTING DOCUMENT C (SD C)
(PUBLIC INFORMATION)**

SD C Draft Biological Assessment/Biological Evaluation (BA/BE)

**VOLUME 4 – EXHIBIT E AND SUPPORTING DOCUMENTS (SD A, SD B AND SD C)
(CONFIDENTIAL INFORMATION)**

Exhibit E

7.0 AFFECTED ENVIRONMENT

7.6 Botanical and Wildlife Resources (Maps)

SD A Proposed Environmental Measures

TERRESTRIAL RESOURCES – MANAGEMENT PLANS

Vegetation and Integrated Pest Management Plan (Maps)

Bald Eagle Management Plan (Map)

SD B Final Technical Study Reports

AQUATIC RESOURCES

AQ 12: Special-Status Amphibian and Aquatic Reptile (2007) (Map)

TERRESTRIAL RESOURCES

TERR 2: Special-status Plants (2008) (Maps)

TERR 5: Bald Eagle (2008) (Map and Appendices)

SD C Draft Biological Assessment/Biological Evaluation (BA/BE)

Maps

**VOLUME 5 – EXHIBIT E SUPPORTING DOCUMENTS (SD D AND SD E)
(PRIVILEGED INFORMATION)**

SD D Final Technical Study Reports (Privileged)

CULTURAL RESOURCES

CUL 1: Cultural Resources (2007)

CUL 1: Cultural Resources (2008)

CUL 1: Cultural Resources National Register of Historic Places Eligibility Report (2010)

SD E Historic Properties Management Plan (HPMP)