

Placer County Water Agency Middle Fork American River Project

Plenary Meeting



February 2, 2010

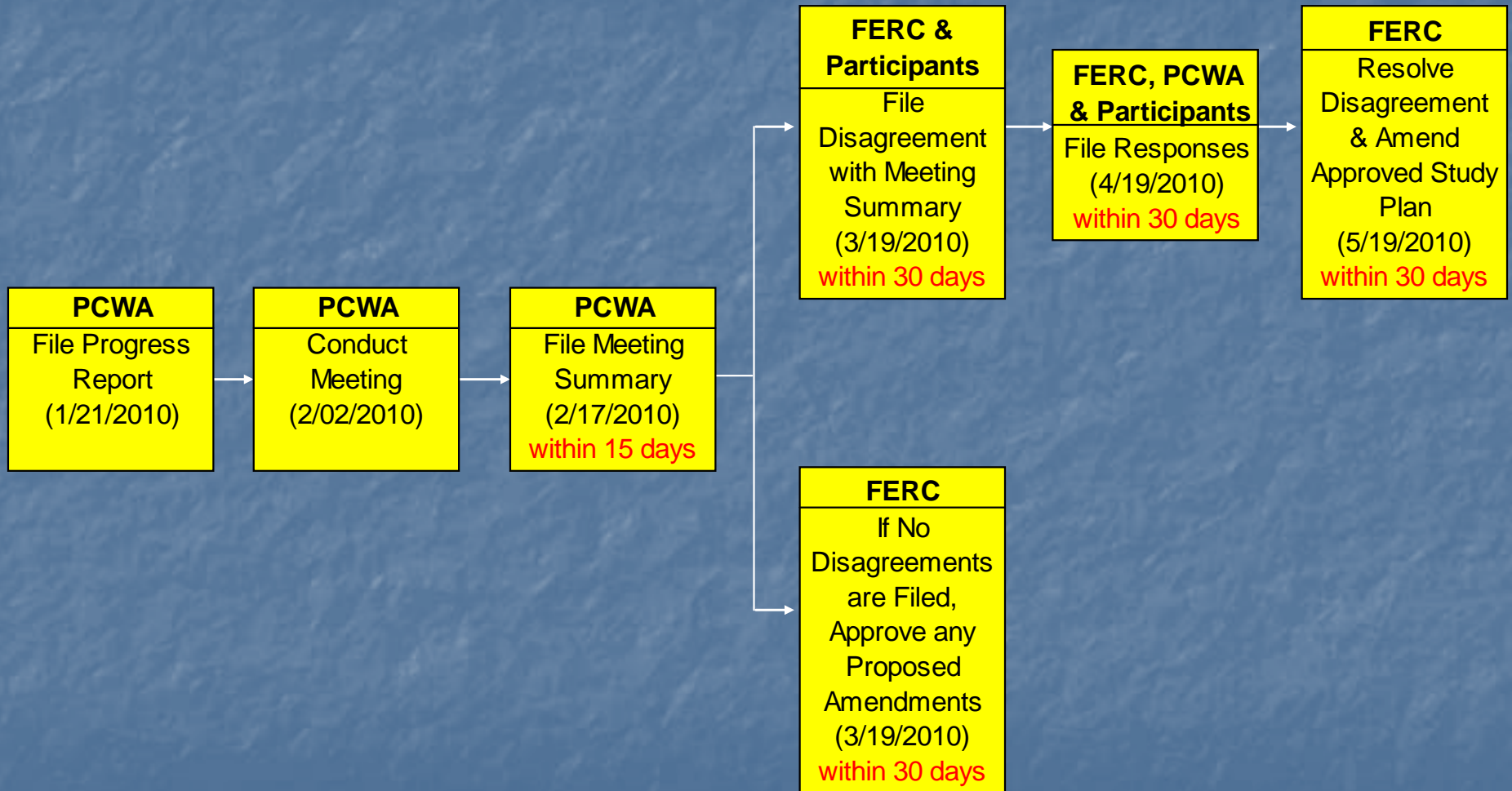
2009

Updated Study Report Meeting

2009 Updated Study Report and Meeting

- Updated Study Report Purpose
 - Describe overall progress in implementing study plans including:
 - any variances
 - any modifications to ongoing studies or new studies proposed by the applicant
 - Notify the FERC and stakeholders of PCWA's intent to file a Draft License Application

Updated Study Report Process



Technical Study Plan Development

- 28 Stakeholder-approved TSPs were included in PAD (December 13, 2007)
- FERC issued Study Plan Determination on July 18, 2008
 - Approved all TSPs included in the PAD plus revised AQ 1 – TSP
 - Excluded study element of LAND 1 – TSP that pertained to Non-Project General Access Roads

28 Technical Study Plans

Aquatic Resources

AQ 1	Instream Flow
AQ 2	Fish Population
AQ 3	Macroinvertebrate & Aquatic Mollusk
AQ 4	Water Temperature Modeling
AQ 5	Bioenergetics
AQ 6	Fish Passage
AQ 7	Entrainment
AQ 8	Reservoir Fish Habitat
AQ 9	Geomorphology
AQ 10	Riparian Resources
AQ 11	Water Quality
AQ 12	Special-Status Amphibian & Aquatic Reptiles

Cultural Resources

CUL 1	Cultural Resources
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Land Management

LAND 1	Transportation System
LAND 2	Fire Prevention & Response
LAND 3	Emergency Action & Public Safety
LAND 4	FERC Boundary & Authorization

Recreation Resources

REC 1	Recreation Use & Facilities Assessment
REC 2	Recreation Visitor Surveys
REC 3	Reservoir Recreation Opportunities
REC 4	Stream-Based Recreation Opportunities
REC 5	Visual Quality Assessment

Terrestrial Resources

TERR 1	Vegetation Communities & Wildlife Habitat
TERR 2	Special-Status Plants
TERR 3	Noxious Weeds
TERR 4	Special-Status Wildlife
TERR 5	Bald Eagle
TERR 6	Special-Status Bats

Technical Studies Implementation

- PCWA initiated PAD Technical Studies in May 2007
- Majority of Technical Studies have been completed
- Studies Requiring Additional Field Work
 - AQ 7 – Entrainment
 - Continue direct sampling at Middle Fork-Ralston Tunnel Intake and the Ralston-Oxbow Tunnel Intake
 - AQ 9 – Geomorphology
 - Sediment surveys at Duncan Creek Diversion

Distribution of Draft Technical Study Reports

Draft Application

		2007	2008				2009				2010			
		Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Aquatic Studies														
AQ1	Instream Flow										◆			
AQ2	Fish Population		◆				◆				◆			
AQ3	Macroinvertebrates and Mollusks			◆			◆							
AQ4	Water Temperature Modeling										◆			
AQ5	Bioenergetics										◆			
AQ6	Fish Passage						◆							
AQ7	Entrainment				◆							◆		
AQ8	Reservoir Fish Habitat										◆			
AQ9	Geomorphology					◆					◆		◆	
AQ10	Riparian Resources										◆			
AQ11	Water Quality		◆								◆			
AQ12	Special-Status Amphibian and Reptiles		◆◆						◆					
Cultural Studies														
CUL 1	Cultural Resources Inventory Eligibility Study Report	◆				◆					◆			
Land Studies														
LAND 1	Transportation System							◆						
LAND 2	Fire Prevention and Response							◆						
LAND 3	Emergency Action and Public Safety									◆				
LAND 4	FERC Boundary and Authorization							◆						
Recreation Studies														
REC 1	Recreation Use and Facilities										◆			
REC 2	Recreation Visitor Surveys								◆					
REC 3	Reservoir Recreation Opportunities									◆				
REC 4	Stream-based Recreation								◆				◆	
REC 5	Visual Quality Assessment						◆							
Terrestrial Studies														
TERR 1	Veg. Communities and Wildlife Habitat		◆											
TERR 2	Special-Status Plants						◆							
TERR 3	Noxious Weeds						◆							
TERR 4	Special-Status Wildlife					◆								
TERR 5	Bald Eagle					◆								
TERR 6	Special-Status Bats		◆											

2009 Updated Study Report Contents

- Letter – Study Implementation Summary
- Attachment 1 – PCWA 2009 Updated Study Report Distribution List
- Attachment 2 – 2009 Technical Study Plan Updated Study Report Summary Table
- Attachment 3 – Technical Study Report Distribution Schedule
- Attachment 4 – Revised Whitewater Boating Flow Study Proposal – Bypass Reaches – July 23, 2009

2009 Updated Summary Report Table

- Attachment 2 includes a summary of all work completed to date, organized by Technical Study
 - 2007 – Dark shading
 - 2008 – Light shading
 - 2009 – No shading

2009 Updated Summary Report Table (continued)

- Attachment 2 summarizes:
 - Study elements completed/data collected
 - TSP variances
 - Outstanding study elements
 - Proposed modifications (none)
 - Proposed new studies (none)
 - Working Group updates

Technical Study Implementation Variances

- All studies implemented as outlined in FERC-Approved TSP with few variances
- Variances fall into three categories
 - Report distribution
 - Study approach refinements
 - Voluntary enhancements

Technical Study Implementation Report Distribution Variances

- Report distribution delayed because additional time was needed to:
 - Complete field studies
 - Consult with agencies
 - Acquire and compile data
 - Analyze data
- Report distribution dates are identified in Attachment 2 and summarized in Attachment 3

Technical Study Implementation Study Approach Refinements

- Refinements to two TSPs were implemented in 2009:
 - AQ 1 – Instream Flow
 - LAND 1 – Transportation System Management Plan
- All study approach refinements are described in the letter and summarized in Attachment 2

Technical Study Implementation Voluntary Enhancements

- PCWA voluntarily completed a variety of additional study elements
 - All voluntary enhancements were summarized in 2008 Progress Report and are shown in Attachment 2
 - All voluntary enhancements were completed in 2008

Technical Study Implementation Contingency Studies

- TSPs included 8 contingency studies
- All contingency studies have been completed with two exceptions:
 - AQ 7 – Entrainment
 - Entrainment Direct Sampling will continue through March
 - REC 4 – Stream-based Recreation Opportunities
 - Whitewater boating flow studies in the bypass reaches will be conducted in 2010, where possible

Technical Study Implementation Modifications or New Studies

No modifications to approved studies
or new studies are proposed by PCWA

Technical Study Implementation Modifications or New Studies

- Any proposal to modify any FERC-approved study must meet the criteria outlined in 18 CFR § 5.15 (d)
- Any request for new studies or additional information gathering must meet the criteria outlined in 18 CFR § 5.15 (e)

Next Steps

