



— BUREAU OF —
RECLAMATION

LTO WIIN Quarterly

March 2024

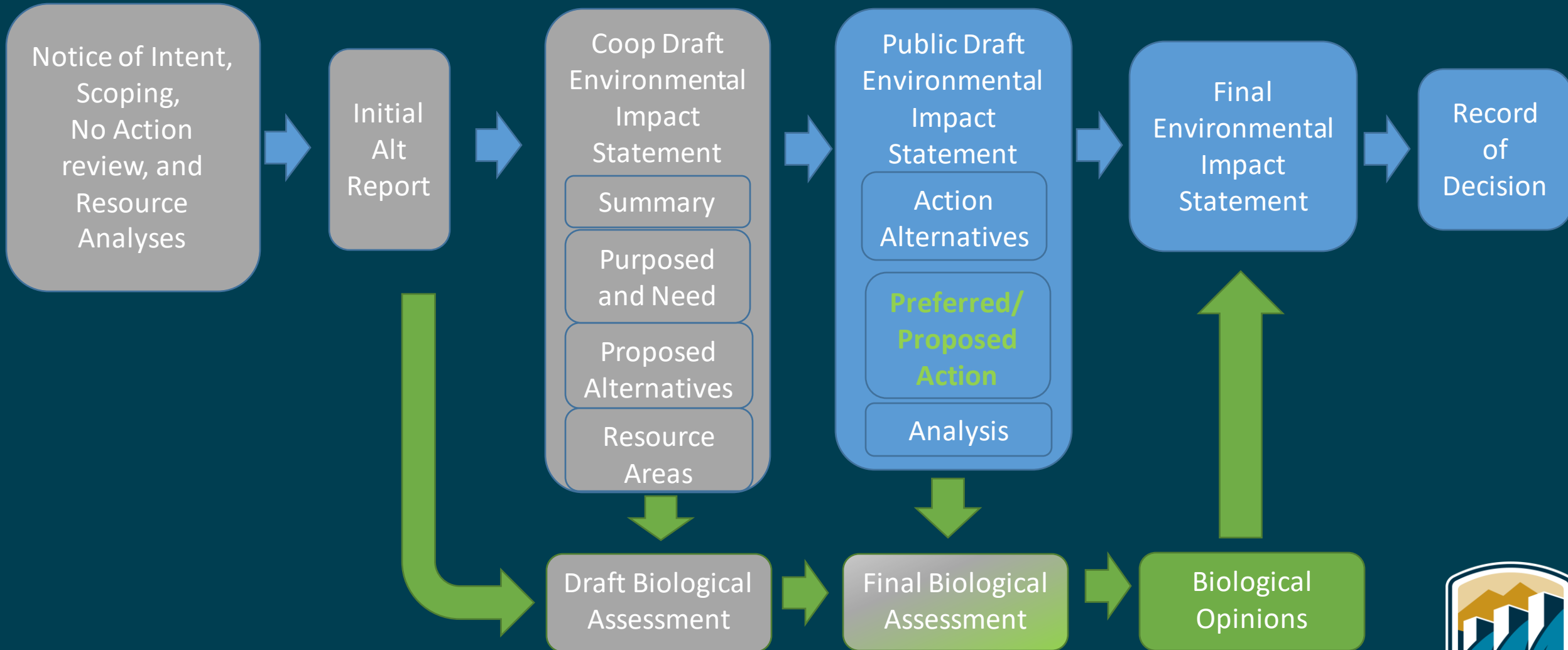


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Agenda

- Summary of Current NEPA/ESA Progress
- 2nd Draft Cooperating Agency EIS
- Coordination/Remaining Schedule

2021 NEPA and ESA Process



Prior WIIN Act Quarterly Meeting

- March 2022 – Scoping Meetings
- June 2022 – Initial Alternatives
- September 2022 – Seasonal Operation Deconstruction and Initial Alternatives
- December 2022 – Lines of Evidence
- March 2023 – Environmental Impact Statement (Affected Environment)
- June 2023 – Environmental Impact Statement (Alternative Components)
- September 2023 – Modeling Updates, EIS, BA comment themes
- December 2023 – Biological Modeling and Biological Assessment



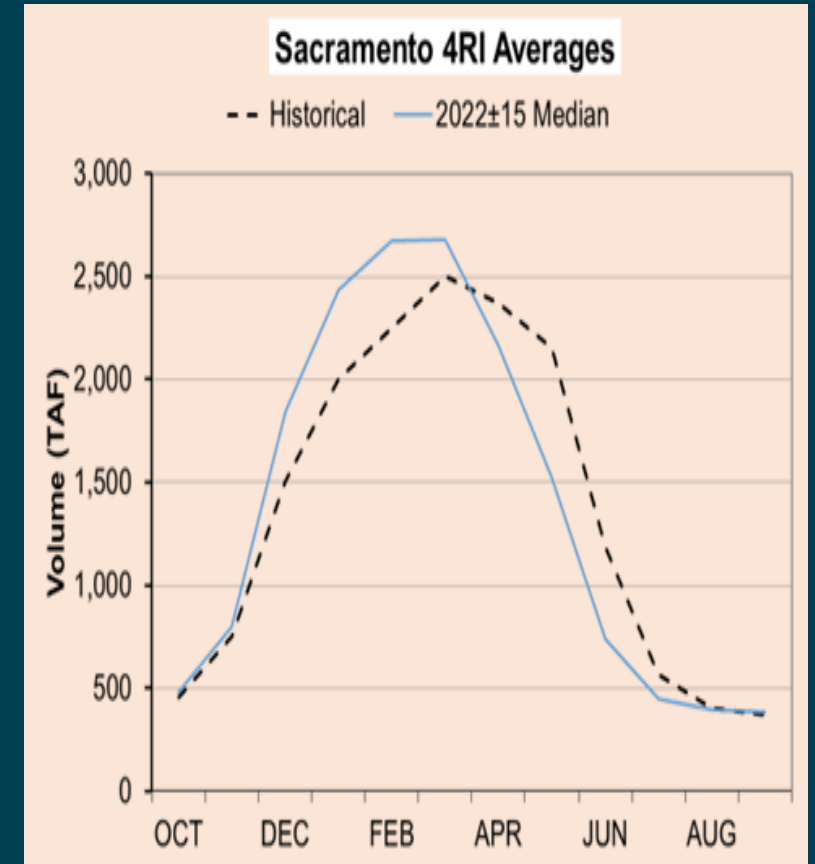
Draft EIS Alternatives

- No Action Alternative
- Water Quality Control Plans
- Multi-Agency Consensus
- Modified Natural Flow Hydrograph
- Risk-Based Operation



2nd Draft Coop Agency EIS

- Consideration of Comments Received
- Analytic Modeling Tools
 - Hydrological and Climate Change Models: CalSim 3 and CMIP 5 GCM
 - Hydrodynamic Models: DSM2, SCHISM
 - Groundwater Models: C2VSim and CVGSM
 - Hydropower Models: LTGen and SWP Power
 - Delta Survival and Routing Models: STARS, DPM, PTM, and ECO-PTM, etc.
 - Salvage Model: Salvage Density Model
 - Cold Water Pool Management Models: SALMOD, OBAN, and HEC-5Q, etc
 - Tributary Habitat Restoration Models: WUA, SIT DSMs, and Redd-Dewatering Model
 - Economic Models: SWAP, CWEST, and IMPLAN
 - Lifecycle Models: Delta Smelt Life Cycle Model, SRCS etc.
- Analyzed Results



Projected Changes in Runoff Pattern for Sacramento River



Cooperating Agency Comment Themes

• General Comments

- Accuracy - Up to Date Information on Species
- **Species information reviewed and updated where appropriate**
- Review – Requests for 2nd Coop Draft Review
- **Will provide with more detail and analysis**
- Scoping – Remove Trinity Language
- **Trinity part of CVP, imports incorporated in the analysis**
- Accuracy – Consistency in Language Throughout
- **Language addressed throughout**



Cooperating Agency Comment Themes

- Chapter 1 – Introduction

- Accuracy – Consistent Language of CVP and SWP Coordinated Relationship
- Addressed language about CVP and SWP relationship to be consistent



Cooperating Agency Comment Themes

• Chapter 2 – Purpose and Need

- Decision – Alternative Selection Process
- **Alternatives were developed through scoping and coordination with interested parties.**
- **NEPA includes consideration of alternatives beyond Federal lead's discretion**
- Accuracy – Study Area and Map Consistency
- **Updated to be more consistent**
- **Updated to address delineation of study area**
- Accuracy – Relevance of CA ESA
- **Under active litigation**
- **The federal position is that the federal government is not subject to CESA**
- Accuracy – More Detail of Contractual Obligations
- **More information will be provided in Appendix C of the Public Draft EIS**



Cooperating Agency Comment Themes

• Chapter 3 – Alternatives

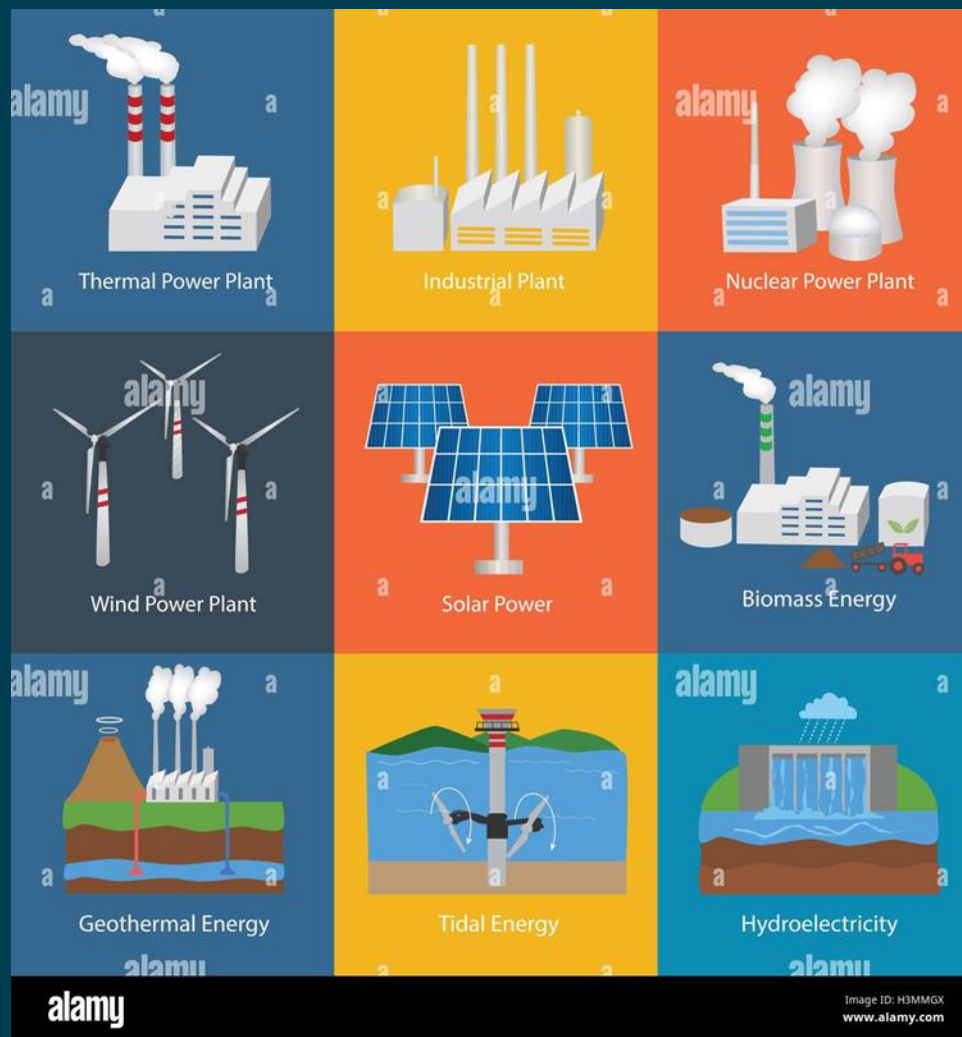
- Define – Feasibility
- **Addressed to align with 42 USC definition**
- Scoping – Include 2020 Incidental Take Permit in No Action
- **The ITP is modeled in the No Action**
- Accuracy – Distinguishing Between Alternatives
- **Tables will be provided in Public Draft**
- Scoping – Inclusion of TUCPs
- **NAA includes TUCPs general evaluation; Sensitivity Analysis**
- Suggestion – Remove Alt 3 From Further Review
- **Reclamation is required to explore a reasonable range of alternatives**
- **Alternatives were developed through scoping and coordination with interested parties**
- **NEPA includes consideration of alternatives beyond Federal lead's discretion**



Cooperating Agency Comment Themes

- Chapter 9 – Air Quality

- Analysis – Changes in Greenhouse Gases Between Each Alternative
- **Changes in Air quality and Greenhouse Gases emissions will be compared across alternatives in the Public Draft EIS**



Cooperating Agency Comment Themes

- Chapter 12 – Fish and Aquatic Resources
 - Accuracy – Update Species Information
 - Updated species information, as applicable, included in the 2nd COOP Draft



Cooperating Agency Comment Themes



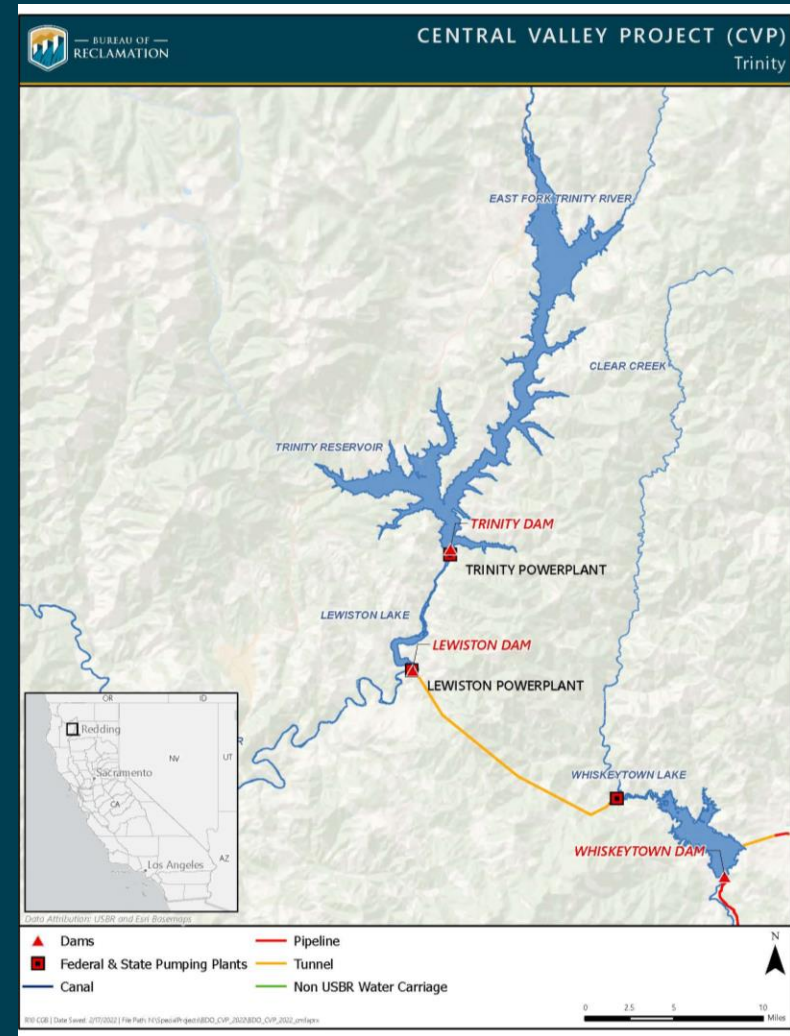
• Chapter 18 – Power

- Analysis – Need to Evaluate Monthly CVP Net Generation
- Reclamation has included monthly CVP Net Generation analysis in 2nd Cooperating Agency Draft EIS
- Analysis – Changes in GHG Emissions due to Changes in Hydropower Generation
- Reclamation is intending to include impacts of GHG emissions due to changes in hydropower generation. (CH 10)
- Analysis – Consideration of Disadvantaged Communities and Environmental Justice
- Reclamation is intending to include discussion on increased GHG emissions and potential impacts to Disadvantaged Communities.
- Analysis – Economic Consideration for Hydropower
- Reclamation is actively engaged with WAPA and others to further the analysis's listed above.
- These efforts are anticipated to be included in the Public Draft EIS



Trinity River Division Working Tasks

- Modeling preliminary alternatives
- Applying screening criteria
- Preparing draft EIS alternatives
- Preparing Biological Assessment
- Identifying Knowledge Based Paper Topics



Coordination and Remaining Schedule

- Addressing Biological Assessment sufficiency comments
- 2nd Cooperating Agency Draft EIS – Expected Beginning of April
- Public Draft EIS – Expected July
 - Public meetings TBD – Expected July/August
- Record of Decision – Expected Late 2024





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Thank you

