

Delta Brainstorming Workshop

January 19, 2018

Today's Purpose

To generate ideas for possible actions that would increase water supply and could be developed, analyzed, and complete NEPA and a BA by December 2018.

3-Track Approach

Track 1 - A modification to restrictions on Delta exports where updates could potentially be evaluated and a decision reached within a year. Prior work and/or limited controversy would support the schedule. (Possibly project-specific EA)

Track 2 - A programmatic Environmental Impact Statement (EIS) that analyzes maximizing water deliveries and marketable power through: new storage facilities, conveyance, modifications to existing facilities, changes to regulations, and/or addressing other stressors. The recent NOI applies to this Track 2 effort.

Track 3 –Project-specific EIS(s) to support re-operation of the CVP and SWP, new or modified infrastructure, habitat restoration, other stressors, and/or regulatory changes.

3-Track Approach, in short

Track 1 – Modifications to improve water supply.

- Complete NEPA document and BA in 1 year.

Track 2 – High level programmatic document to identify future opportunities for water supply and power marketability, set coordination and adaptive management approach.

- Complete EIS and BA in 18 months.

Track 3 – Completes the ROC on LTO with a project-specific EIS, may include other project-specific EISs

Idea Generation

Track 1 – Technical Delta Brainstorming Workshop today

Track 2 – Notice of Intent issued December 29, 2017 applies to this. 3 public scoping meetings will be held:

- January 23 from 2-4pm at 650 Capitol Mall, Sacramento
- January 24 from 6-8pm at Los Banos Community Center
- January 25 from 6-8pm at Bell Memorial Union at CSU Chico

Track 3 – Ongoing set of brainstorming sessions will inform this track (i.e. American River Workshop held on November 21, 2017).

DRAFT Outreach – Track 1

- **January 19: Brainstorming Workshop to determine actions**
- **April: Workshop on Alternatives**
- **June: Workshop on Biology Analysis**
- **August: Workshop for input on Sections of the NEPA document**
- **October: Workshop on your comments on the draft NEPA document**

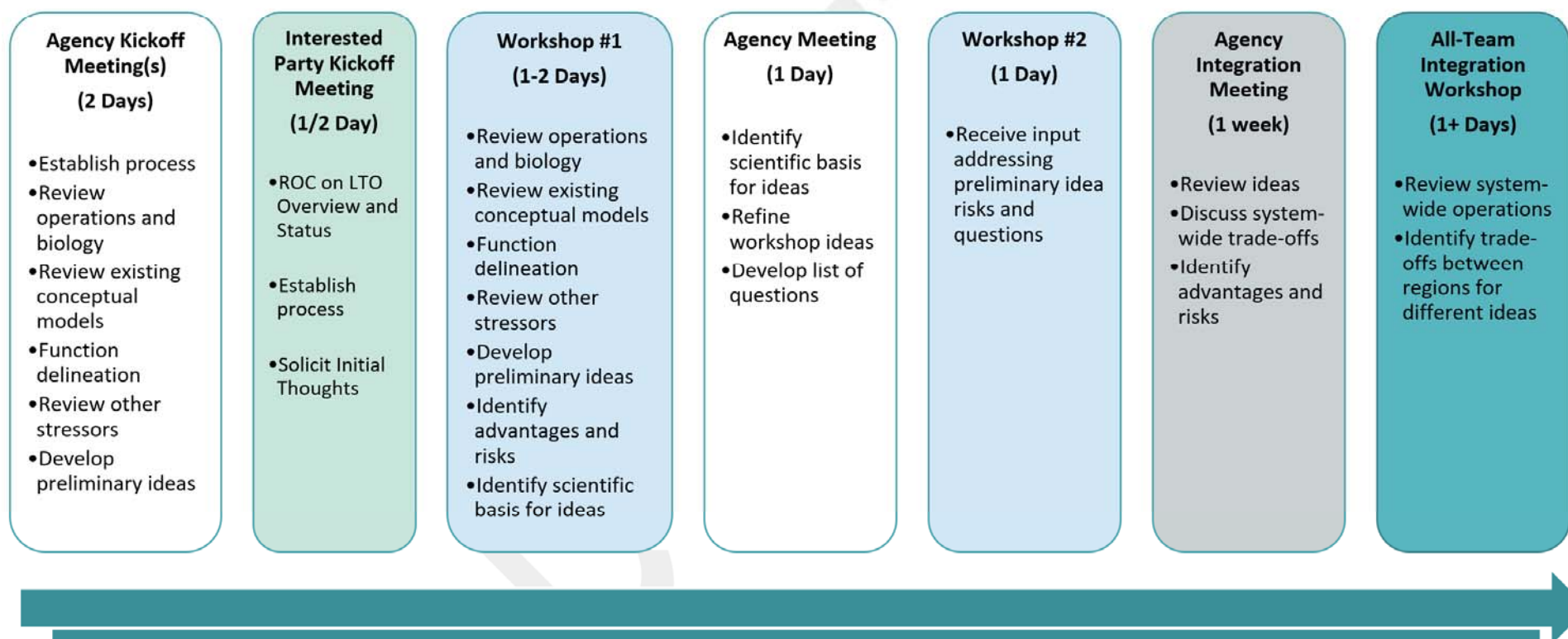
DRAFT Outreach– Track 2

- **January 23-25: Scoping Meetings**
- **February: Workshop on actions**
- **May/June: Workshop on alternatives**
- **October: Workshop for input on sections of the Draft NEPA document**
- **December: Public Hearing on Draft EIS**
- **March 2019: Workshop on your comments on the Draft EIS**

Track 3 Brainstorm Process

OVERVIEW OF PRE-NEPA BRAINSTORM PROCESS

| COLOR KEY | PARTICIPANTS |
|-----------|---|
| | Each interested party group |
| | All track-specific interested parties, including agency representatives |
| | All track-specific agency representatives |
| | Agency representatives from all tracks |
| | All interested parties from all tracks |



THE ABOVE DIAGRAM IS A CHRONOLOGICAL PROCESS PROPOSAL FOR EACH OF THE BELOW IDENTIFIED FIVE (5) TECHNICAL WORKGROUP TRACKS. THE OBJECTIVE OF THIS PROCESS IS TO PROVIDE A FOUNDATION OF SUCCESS FOR SUBSEQUENT NATIONAL ENVIRONMENTAL POLICY ACT ALTERNATIVES DEVELOPMENT.

DRAFT – SUBJECT TO REVISION

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DRAFT, SUBJECT TO REVISION

DRAFT Outreach – Track 3

- **April: American River Workshop #2**
- **April: Sacramento/Trinity/ClearCreek Workshop #1**
- **May: Delta Workshop #1**
- **June: Integration Workshop #1**
- **July: Sacramento/Trinity/ClearCreek Workshop #2 and Delta Workshop #2**
- **July: Integration Workshop #2**
- **August: Integration Workshop #3**

Track 1 Brainstorming Scope Assumptions

Focus on Delta

- **May include ideas for other areas as long as they can be developed, analyzed, and documented in NEPA and a BA in 1 year.**

Idea Generation Approach

- Reclamation must balance a variety of interests
- You represent some of this variety of interests
- We can generate better ideas working with you than just working on our own
- Hearing others' ideas may help generate your own
- You may be able to improve upon others' ideas or minimize risks by brainstorming together

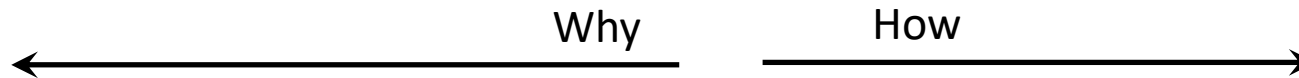
Idea Generation Approach

- **Structured**
- **Maximize use of time**
- **Use existing information – do not reinvent the wheel**
- **Increase operational flexibility by tying requirements to fish needs and identifying a variety of actions to meet that fish need (function)**

Idea Generation Approach

- 1) Background Information – Operations and Biology Presentations**
- 2) Review existing functions chart for possible issues and ideas**
- 3) Identify your major issues for brainstorming solutions –where should we focus our time?**
- 4) Brainstorm solutions to issues in small groups and/or pairs**
- 5) Discuss possible idea refinements to minimize risks**

Functions Example



| Purpose | Sub-Component 1 | Sub-Component 2 | Sub-Component 3 |
|-------------------|--------------------|---------------------------|---------------------------------------|
| Fish and Wildlife | Increase Abundance | Increase spawning habitat | Cool temperatures |
| | | | Release channel maintenance flows |
| | | | Add gravel |
| | | | Increase fish privacy during spawning |
| | | | Reduce redd dewatering |
| | | | Reduce migration barriers |
| | | | Avoid scouring flood peaks |
| | | | Release sufficient base flows |
| | | Increase rearing habitat | Warm temperatures |
| | | | Excavate floodplains |
| | | | Place Large Woody Debris |
| | | | Place cobbles |
| | | | Increase flow variability |
| | | | Increase thermal diversity |
| | | | Increase food web diversity |
| | | | Reduce migration barriers |
| | | | Avoid scouring flood peaks |
| | | | Release sufficient base flows |