



# 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**

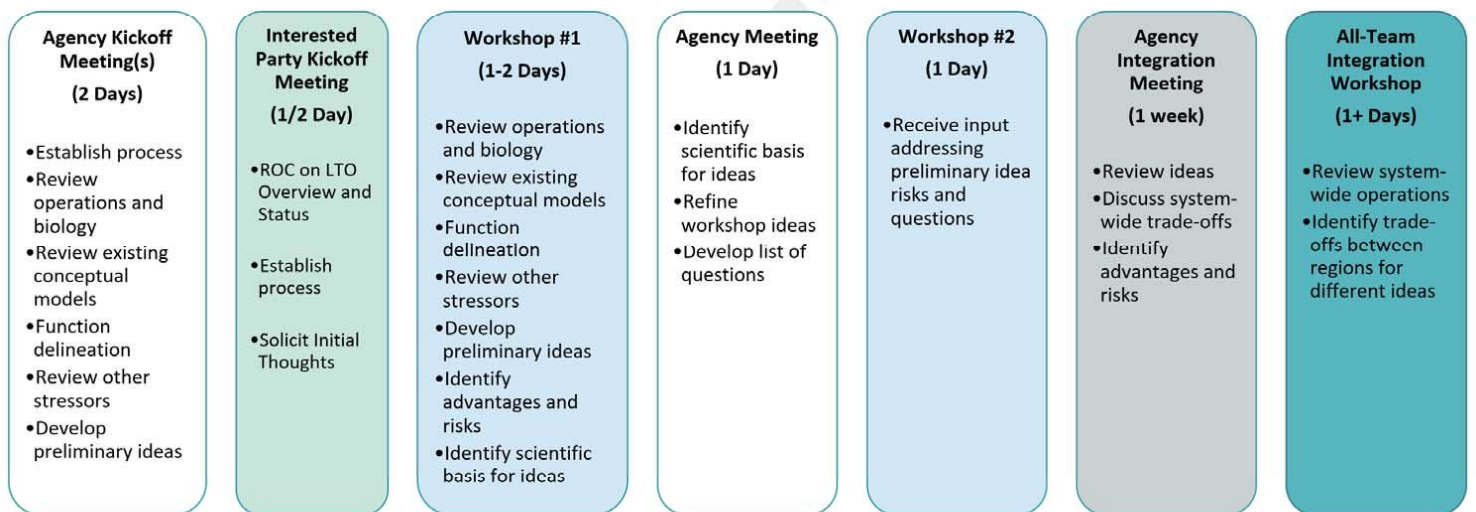
## **DRAFT Outreach– Track 2**

- **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 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         |