

# RESERVOIR COMMITTEE MEETING

**AUGUST 21, 2020**

Agenda Item 2.1: Work Plan



# Changes Since April Approval

1. No material change to goals, key deliverables, or critical path
2. Updated to reflect soft call / COVID response
3. Revenue increased to \$36.4M from \$31.8M
  - a) Increased Amendment 1B carryover
  - b) Increased revenue from Prop 1 (WSIP) early funding agreement changes
4. Expenses increased to \$33.5M from \$31.7M
  - a) Budgets updated through negotiation of task orders with service areas, \$24M
  - b) Additional engineering
  - c) Placeholder for plan of finance / 75% commitment for Prop 1

# Cash Call Invoice Schedule

Reservoir Committee Cash Call Total: \$100/AF

Participant Invoice Schedule:

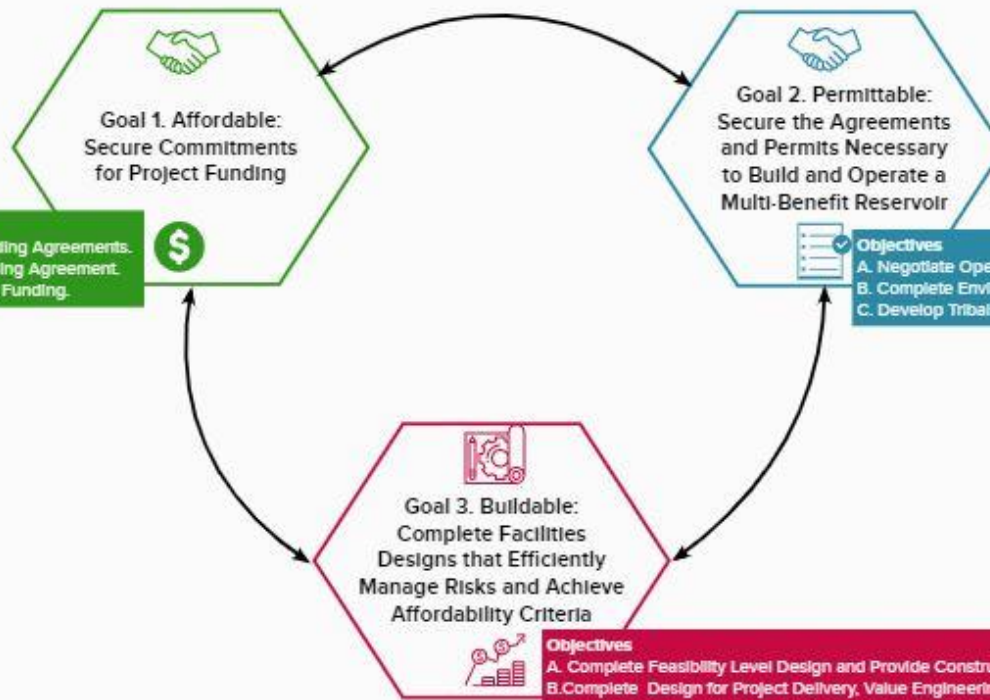
\$60/AF, due ~~September 1~~ November 1, 2020

Up to \$40/AF, due ~~February 1~~ April 1, 2021

Assumes full participation, 192,892 AF

# Work Plan Goals

## Goals & Objectives



**Objectives**  
 A. Implement Local Agency Participants Funding Agreements.  
 B. Secure California Water Commission Funding Agreement.  
 C. Secure Federal Authorization for WIIN Act Funding.

**Objectives**  
 A. Negotiate Operations Agreements with Federal, State, and Local Partners.  
 B. Complete Environmental Review and Permits for Construction and Operation.  
 C. Develop Tribal, Landowner, and Local Agency Agreements.

**Objectives**  
 A. Complete Feasibility Level Design and Provide Construction and Operations Costs Certainty.  
 B. Complete Design for Project Delivery, Value Engineering, and Construction Risk Control Measures.  
 C. Complete Construction and Operational Commissioning.

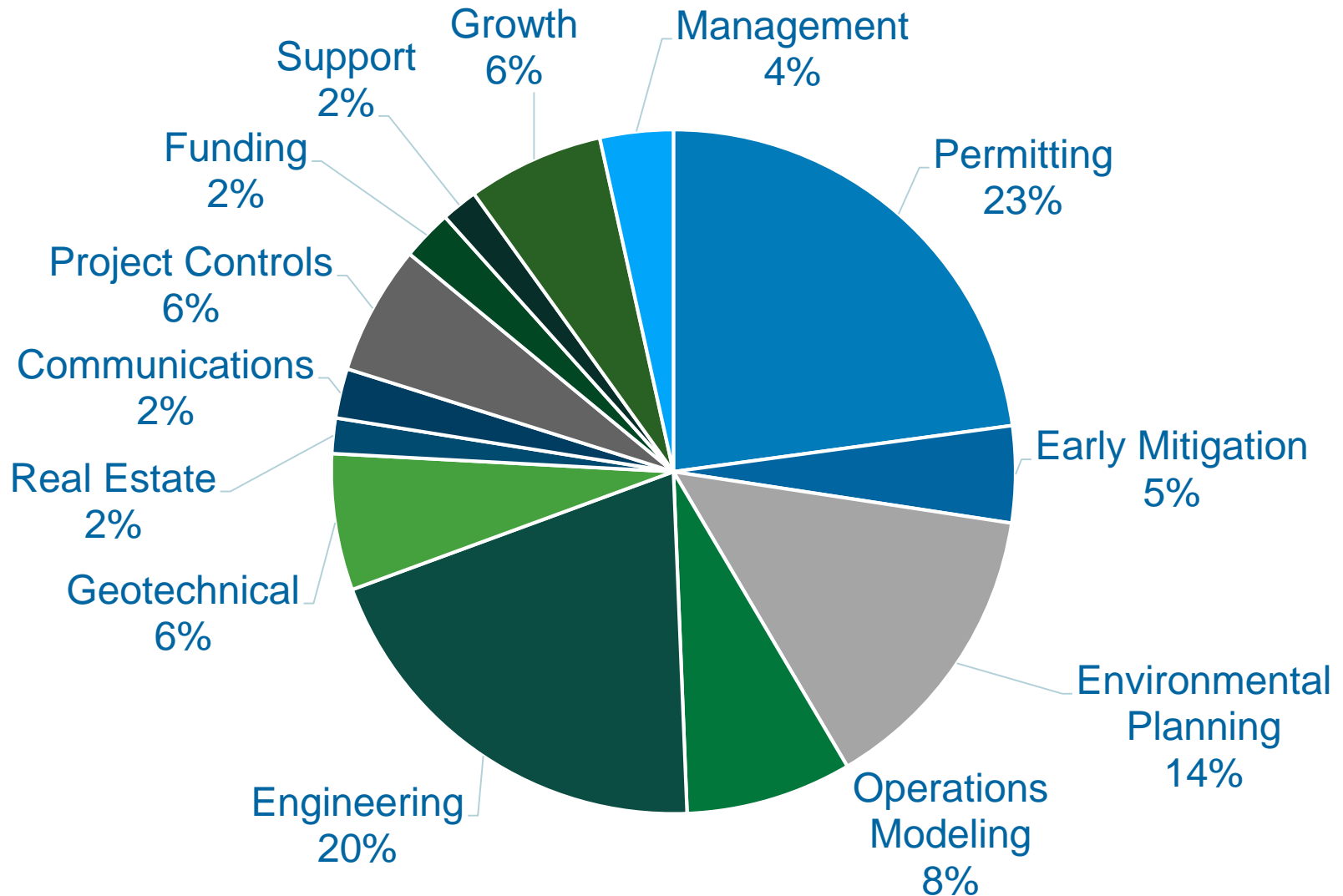
**Objectives**  
 A. Support a High-functioning Governance Structure and Productive Working Relationships.  
 B. Ensure an Effective Organizational Culture, Shared Values, and Strong Management Policies.  
 C. Establish Sustainable Near-term and Long-term Staffing and Management Plans.

# Task Order Development

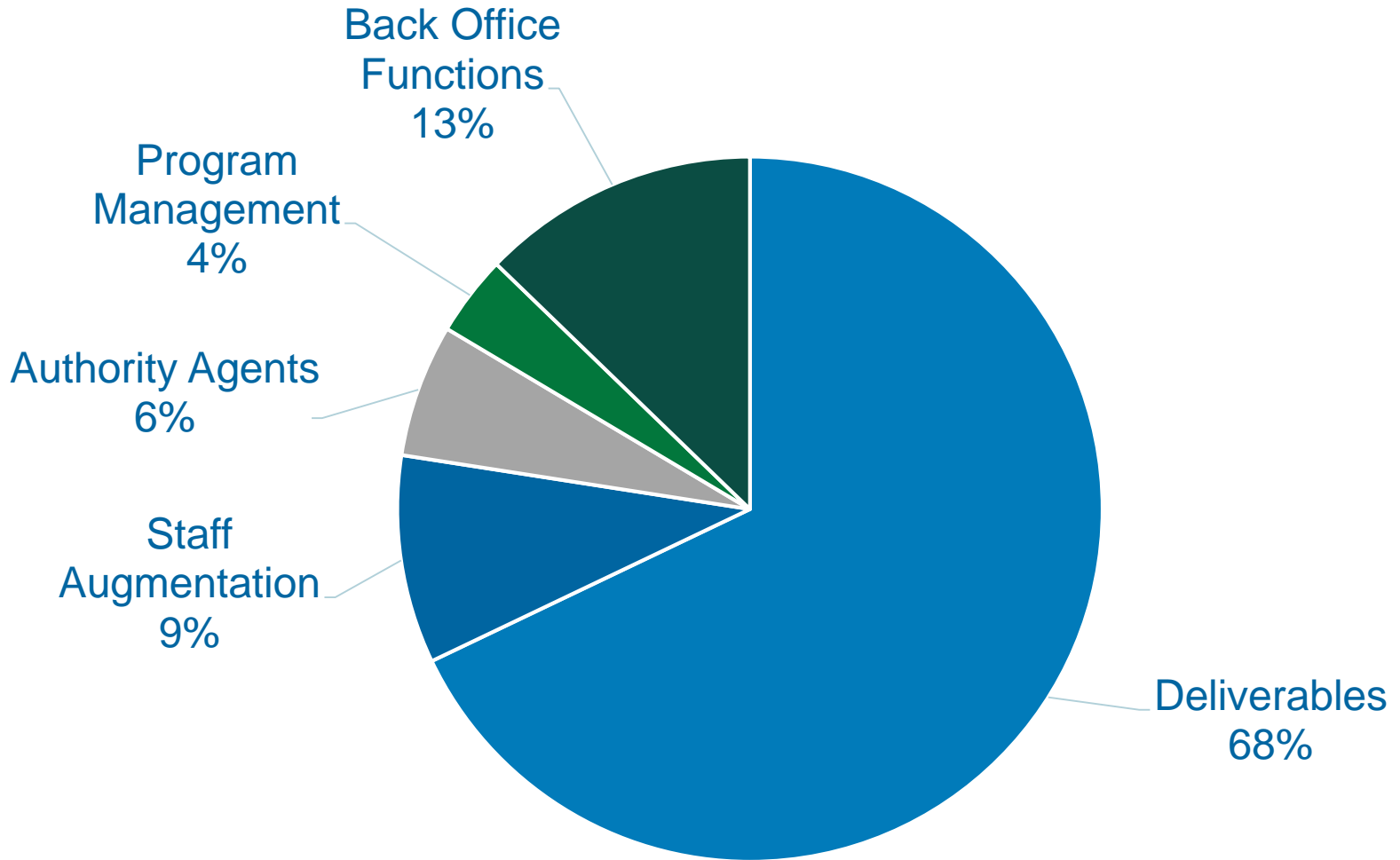
Firm – Service Area	Task Order Total
HDR – Project Integration	\$4,342,136
Brown & Caldwell – Project Controls	\$2,505,736
Katz & Associates – Communications	\$400,000
CH2M Hill Engineers – Operations	\$2,094,564
ICF – Environmental	\$3,010,760
ICF – Permitting	\$4,400,996
AECOM – Reservoir Engineering	\$1,765,758
CH2M Hill Engineers – Conveyance Engineering	\$3,356,848
Fugro - Geotechnical	\$2,079,804
<b>Total</b>	<b>\$23,956,601</b>

49 FTE: ~ 33 deliverables, 16 back office

# Cost Allocation by Subject (Reservoir Committee Funded)



# Deliverables / Management View

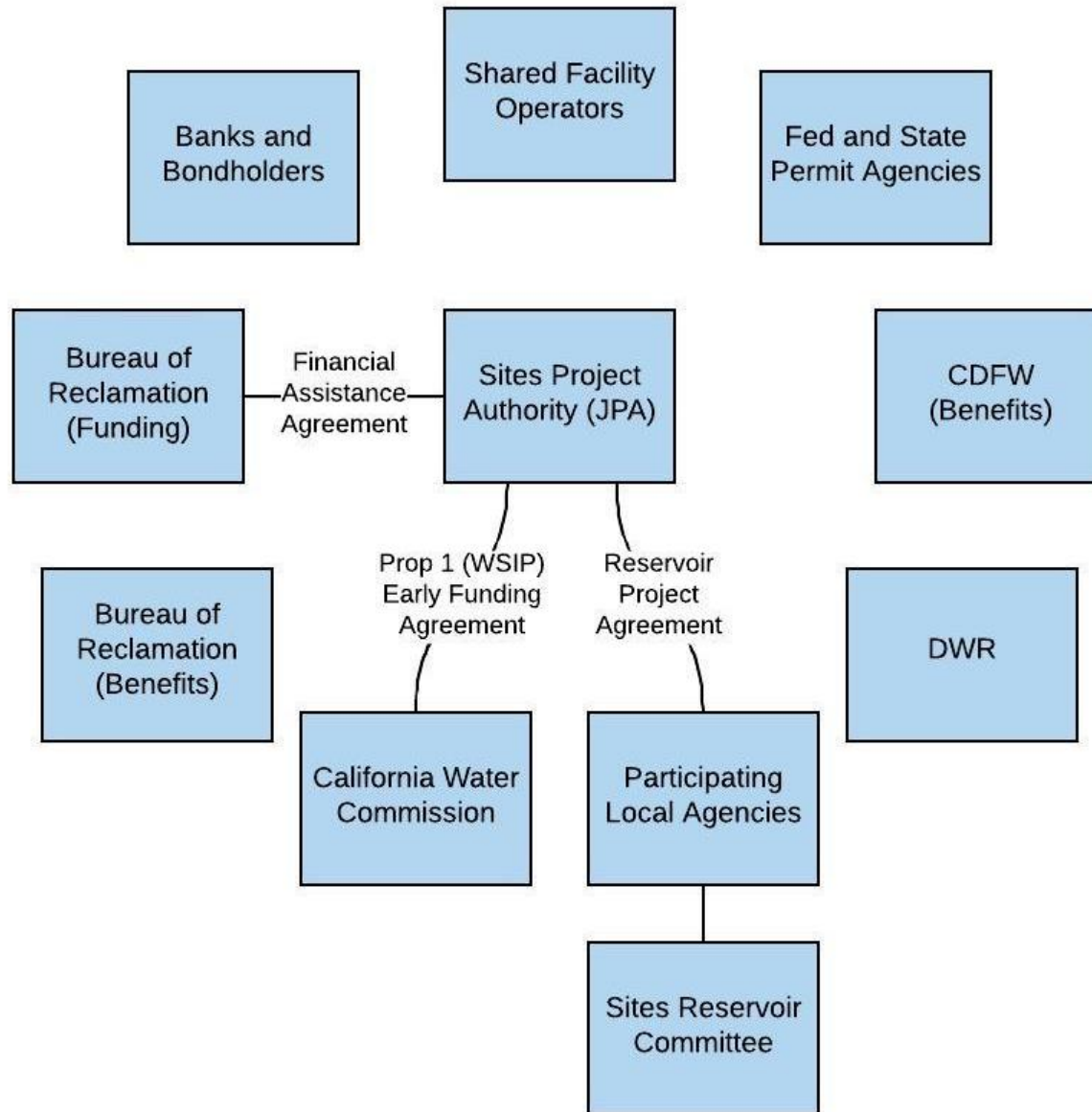


# Next Steps

1. Task orders with all support consultants, September or October 2020
2. Scope and budget for local cost share commitment and plan of finance
  - a) Discussion in September 2020
  - b) Detailed budget and task orders for these activities in October 2020
3. Determine second cash call final amount in February 2021 based on:
  - a) Progress on work plan goals
  - b) Target ending balance: bridging funds to finance / next cash call



# Sites Project Assurances Diagram



# BULLPEN



## Item 2.1.2 BC Task Order

April WP Budget Estimate: \$2.36M

TO Budget: \$2.51M

1. Additional procurement and contracts support
2. Additional successor agreement, work plan, and project schedule support (reduced HDR scope)
3. Includes only the work plan for the plan of finance
4. Additional policies and procedures meeting either of the following criteria:
  - a) Required for compliance with funding agreements
  - b) Six-month payback on process improvements

## Item 2.1.4 CH2M Operations Modeling Task Order

April WP Budget Estimate: \$1.73M

TO Budget: \$2.09M

1. Updated WSIP modeling will be required to meet California Water Commission requirements based on Value Planning project
  - a) Working with CWC to limit requirements for modeling
  - b) Modeling will serve as the basis for benefits agreements with CDFW and DWR
2. Added qualitative mercury assessment

## Item 2.1.5 ICF Environmental Planning Task Order

April WP Budget Estimate: \$2.70M

TO Budget: \$3.01M

1. Task Order follows the EIR/EIS Work Plan developed by ICF and reviewed by the Authority in Amendment 1B
2. EIR/EIS Work Plan identifies more robust efforts to complete additional analysis and documentation to address comments on the 2017 Draft EIR/EIS in the upcoming Revised EIR/Supplemental EIS

## Item 2.1.7 CH2M Conveyance Engineering Task Order

April WP Budget Estimate: \$1.90M

TO Budget: \$3.36M

1. Refinement of project understanding from review of historical data and coordination with TCCA, GCID, RD108, PG&E, and WAPA
  - a) Resulted in new scopes to advance feasibility design in support of environmental analysis, preparation of the WISP Feasibility Report, and improvements in project cost/affordability certainty

## Item 2.1.7 CH2M Conveyance Engineering Task Order

New scope:

1. Conduct emergency release flood modeling
2. Power transmission and delivery analysis/design
3. Re-evaluation of improvements at TRR and Funks Reservoir
4. Analysis/refinement of additional facilities
  - a) Funks Reservoir and TRR pumping and generating plants (PGPs)
  - b) Pipeline between Funks Reservoir and TRR
  - c) Dunnigan pipeline
  - d) Improvements to TCCA and GCID facilities

**New scope estimate: \$2.04M**

## Item 2.1.7 CH2M Conveyance Engineering Task Order

New scope estimate: \$2.04M  
TO Budget variance vs. April WP: \$1.46M

- 1) TO Budget variance < New scope estimate
  - a) Efficiencies and savings recognized within other engineering tasks: \$589,000