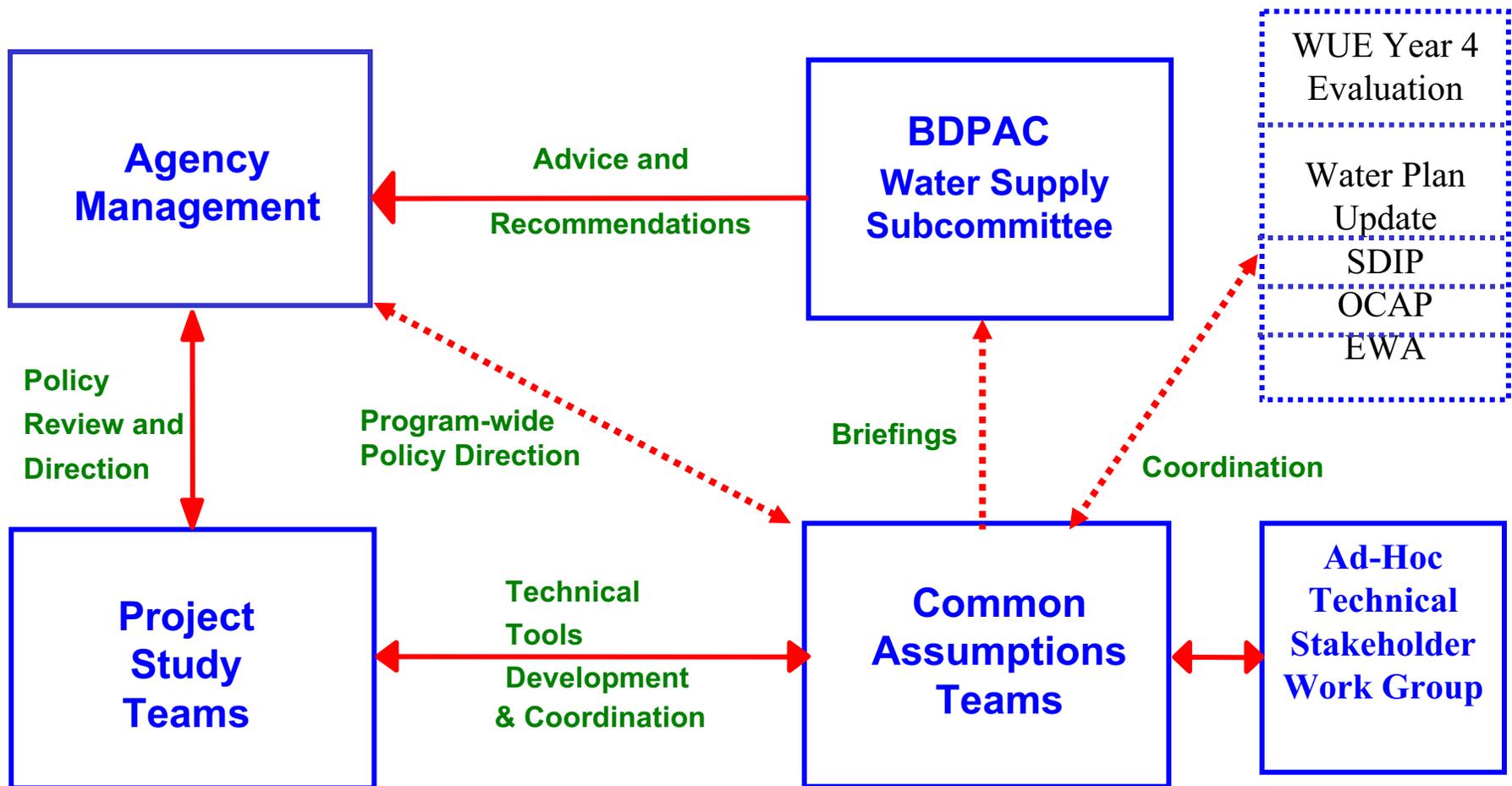


# Common Assumptions Surface Storage Project Analysis- - Update -

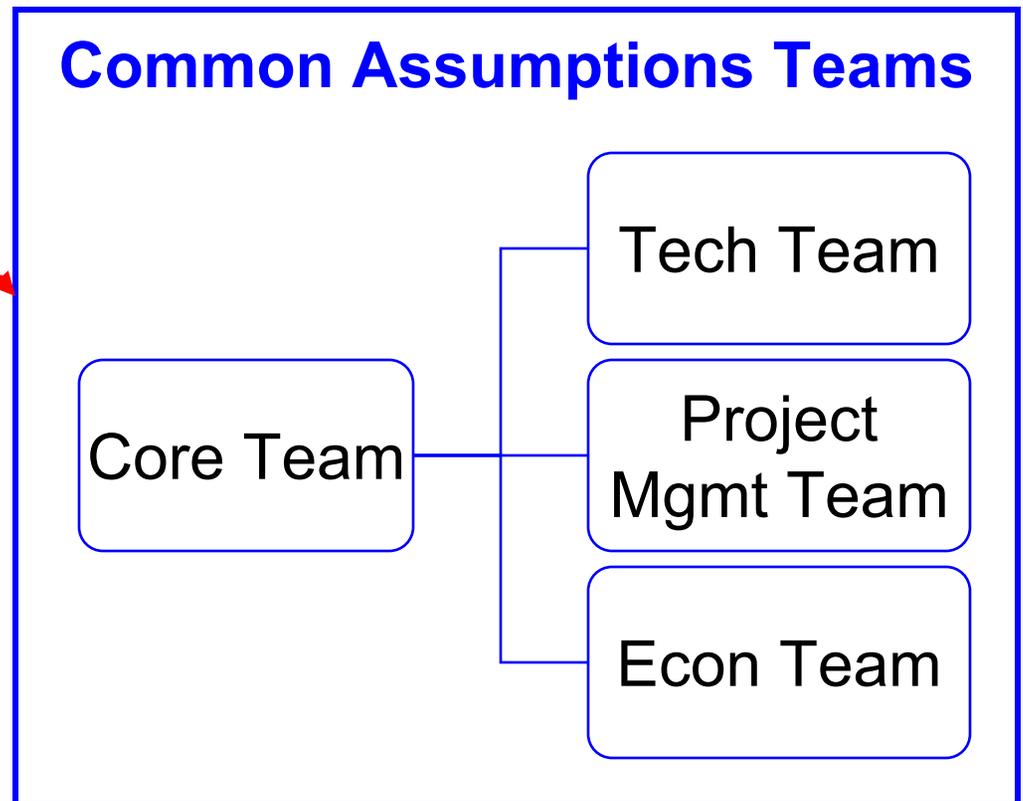
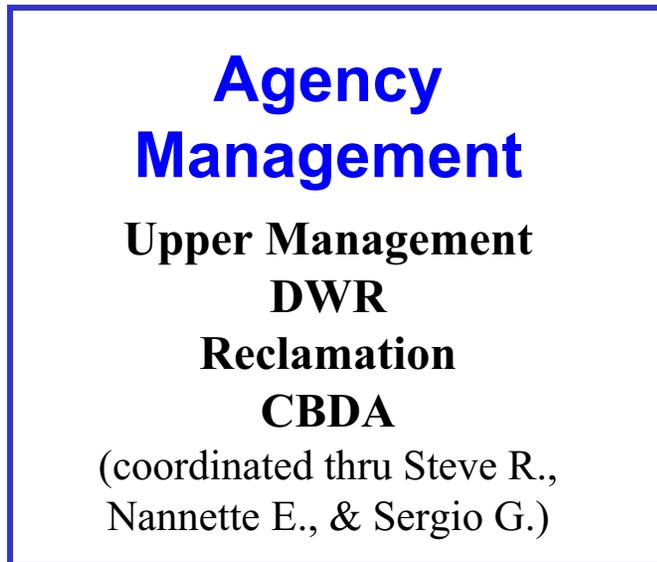
Presented to:  
**BDPAC Water Supply Subcommittee**

June 23, 2004  
Bonderson Building, Hearing Room A

# Overview of Interactions



# Common Assumptions Team Structure



# Responsibilities

## Agency Management

Determine Demarcation  
Between  
Existing Conditions  
& Future Conditions

Develop Criteria  
For inclusion in  
Future Conditions

Provide Guidance on  
Environmental Documents  
& Permitting Strategies

Provide  
Implementation  
Decisions

## Project Study Teams

Develop Scenarios  
and  
Analyze Performance

Develop Alternatives  
and  
Analyze Performance

Complete Feasibility  
Studies,  
Environmental Docs &  
Permitting

Implement  
Projects

## Common Assumptions Teams

Distribute Interim  
CALSIM II  
& Refined Baselines

Develop Consistent  
Reporting Metrics  
and  
Quantify other Water  
Management Options

Refine Baselines for all  
Models, Existing Conditions  
Future No-Action,  
Alternative Future &  
Cumulative Impacts

Coordinate Economic &  
Cost Analyses

# Accomplishments to Date

- Numerous gatherings by all three teams
  - Developed and implemented roles and responsibilities
    - Assigned Team Leaders
  - Finished Interim Baseline
  - Developed Near-Term Schedule
  - Identified issues needing to be resolved for future modeling runs
  - Coordinating with other projects
    - CALFED Programs (WUE Year 4 Evaluation, EWA, Transfers)
    - SDIP
    - Water Plan Update

# Technical Team & Project Management Team

- Members working together to
  - Perform scenario analysis using *common* CALSIM II and DSM2 Interim Baseline model runs
  - Provide *consistency* checks of other's work
  - Establish *common* analysis procedures and protocols
  - Develop *consistent* long-term baselines
  - Document all decisions

# Technical Team

## Interim Baseline Modeling Status

- CALSIM II Interim Baseline was developed, vetted and distributed to Project Study Teams
- DSM2 Interim Baseline development is underway
- Interim Baseline results will be reported in the next Storage Program Progress Report

# Near-Term Schedule

- Next Storage Program Progress Report – Fall 2004
  - Technical Team
    - Complete modeling & consistency checks by August '04
  - Economic & Cost Estimating Team
    - Reporting metrics and cost estimation guidelines by October '04
    - LCPSIM review by November '04
- Support *Plan Formulation Studies*
  - CALSIM II baselines by end of 2004
  - Economic tool baselines by early Spring '05

# Common Reporting Metrics - Straw Proposal -

- Establish *consistent* set of project-wide reporting metrics for Storage Project scenarios
  - Provides basis for reader to compare/contrast
  - For use in subsequent presentations of results
  - Final set in Storage Program Progress Report
- Storage Project-specific reporting metrics
  - Each individual Storage Project may have different reporting metrics based on their need to identify specific benefits

# Proposed Reporting Metric Categories

## Water Supply Reliability

- Sacramento Valley
  - CVP Ag
  - CVP M&I
- Bay Area
  - CVP Ag
  - CVP M&I
  - SWP M&I
- San Joaquin Valley (export area)
  - CVP Ag
  - CVP M&I
  - SWP Ag
  - Groundwater Banking
- South Coast
  - SWP M&I
- In-Delta

## Cost Estimates

- Capital Cost
- Annual O&M

## Water Quality

- San Joaquin River
  - Vernalis
- Delta
  - All Compliance Locations
- Bay Area
  - M&I Intake Locations
- Delta Export
  - Tracy
  - Banks

## Ecosystem

- Sacramento River
- Delta
  - X2 Location
  - Reverse/Cross-Delta Flow
  - Delta Outflow
- EWA
- Level 4 Refuge
  - NOD
  - SOD

# Ad-Hoc Stakeholder Technical Group

- Propose continuing meetings with WSS's Ad-Hoc Stakeholder Technical Group
- Proposed July Meeting Topics
  - CALSIM II Interim Baseline
  - Proposed Reporting Metrics
  - Long-term Baselines (Exist., Future & Alt. Future)
  - Stakeholders' suggested Future No-Action Baseline