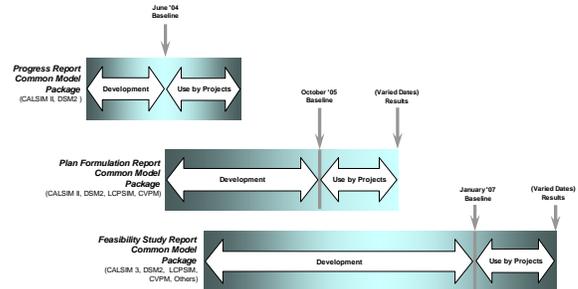


## Common Assumptions for Surface Storage Project Analysis - Status Update -

Presented to:  
**BDPAC Water Supply Subcommittee**  
May 11, 2005

## Review of Common Assumptions Common Model Package Development Timeline



## Surface Storage Progress Report #2

- Progress Report #2 Complete
  - Supported by results of *Progress Report Common Model Package*
  - Focus on key reporting metrics
  - Printed copies available on May 12
  - Progress Report and Technical Memorandum are available online at:
    - [www.storage.water.ca.gov/public\\_docs.cfm](http://www.storage.water.ca.gov/public_docs.cfm)

## Next Common Model Package

- Development of Plan Formulation Report Common Model Package
  - Define inputs for baseline conditions:
    - Existing
    - 2020 Future No-Action
    - Supplemental 2020 Future No-Action
  - Characterize conservation, local supply projects, transfers, and conjunctive use for use in identified analysis tools
  - PFRCMP anticipated to be completed in Fall '05

## Plan Formulation Report Common Model Package

- Development Activities (general):
  - Refine model capabilities
  - Define criterion for defining baseline conditions
  - Define input assumptions and data sets
  - Establish modeling protocols
  - Clarify policy and regulatory decisions
  - Test models and model interactions

## Plan Formulation Report Common Model Package

- Development Activities (specific):
  - CALSIM II refinements and enhancements
  - Extend CALSIM II hydrologic record period to 2003 (1922-2003)
  - Integrate new San Joaquin River module
  - Integrate Los Vaqueros Reservoir module
  - Update ANN (Artificial Neural Network)

## Plan Formulation Report Common Model Package

- Development Activities (specific – cont’):
  - Integrate EWA operations
  - Implement water transfers
  - Implement new model structure
  - Integrate LCPSIM/CALSIM
  - Extend DSM2 simulation period

## Characterization Activities

- Refine method to represent water transfers in CALSIM and LCPSIM
- Finalize Water Transfers Tool to help set available conveyance & use of transfer quantities
- Finalize transfer, recycling, desalination and conservation quantities
- Integrate draft conservation and recycling quantities into LCPSIM
- Characterize groundwater and local supply

## Economics Work Group Activities

- Representatives from CBDA, DWR, & Reclamation
- Current tasks
  - Review/update LCPSIM
  - Review/update CVPM
  - Coordinate/Develop cost estimation guidelines
  - Develop common reporting metrics

## Economics Work Group Activities

- Future tasks
  - Develop guidance for estimating benefits:
    - Water quality
    - Ecosystem restoration
    - Flood management
    - Hydropower
    - Recreation
  - Review existing federal and state guidelines and make recommendations for coordinated approach:
    - Benefit-cost analysis
    - Cost allocation