

Common Assumptions Surface Storage Project Analysis -Status Update-

Presented to:

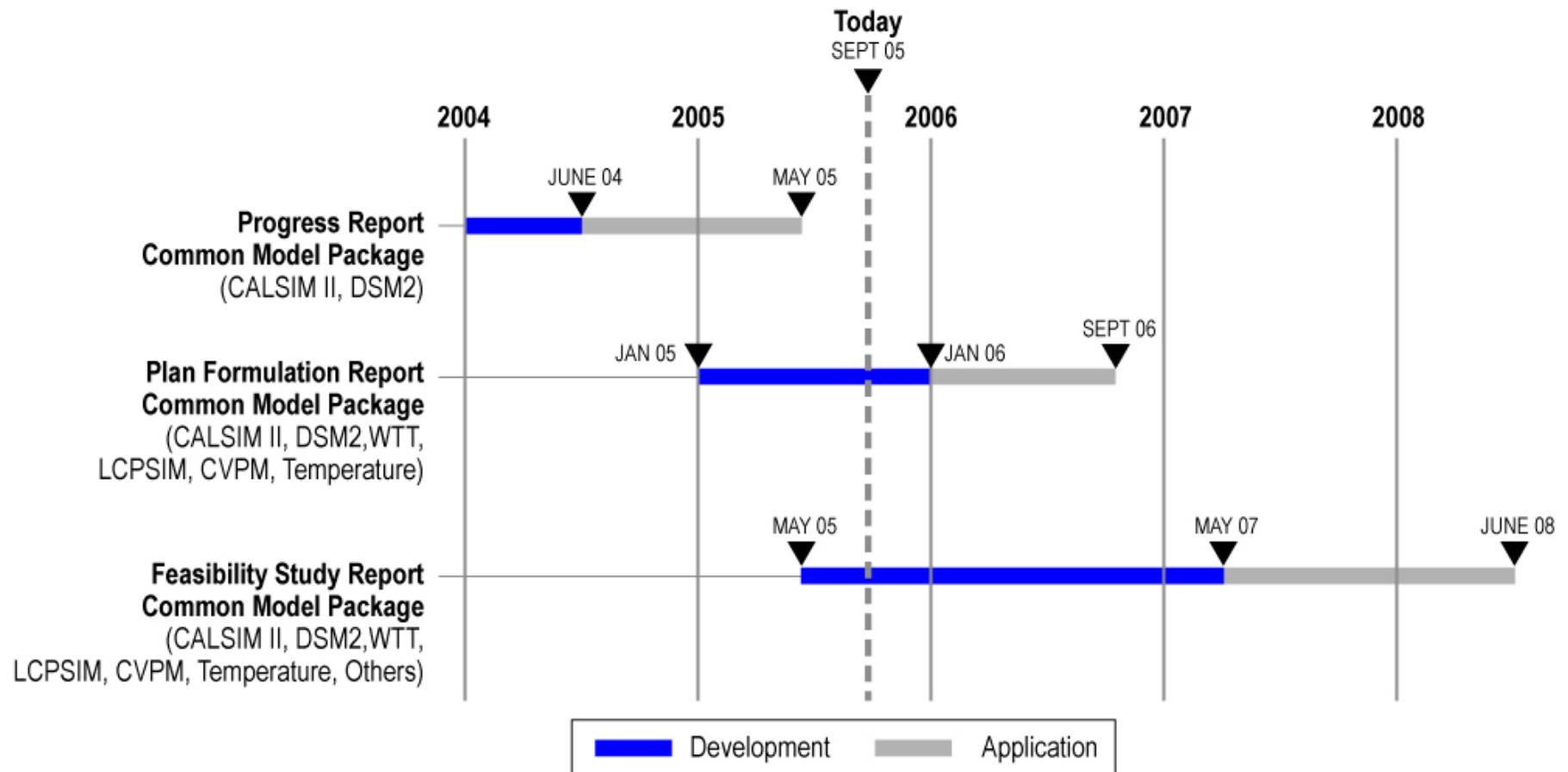
BDPAC

Water Supply Subcommittee

September 14, 2005

Common Assumptions

Common Model Package Development Timeline



Plan Formulation Report Common Model Package Implementation Schedule

- Revisions 1 and 2 previously completed
- Revision 3 September 29, 2005
- Revision 4 October 28, 2005
- “Dry Run” throughout
November 2005
- Revision 5 December 9, 2005
- CALSIM II Release January 30, 2006
- Full CMP Release mid-March, 2006

Revision 3 – September 29

Plan Formulation Report Common Model Package

- Corrections & enhancements, including:
 - Feather River enhancements
 - SOD SWP operation enhancements (inc. Art. 56)
- Merge of new San Joaquin River module
- Extension of CALSIM II hydrologic period of record through 2003 (*1922-2003*)
- Updated 2005 Artificial Neural Network (ANN) for Delta salinity compliance stations
- Initial implementation of water transfers (not including EWA related water transfers)

Revision 4 – October 28

Plan Formulation Report Common Model Package

- Implement EWA transfers and dynamic EWA export curtailment operations
 - Implement logic for LCPSIM/CALSIM integration framework
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- “Dry Run” of LCPSIM/CALSIM begins early November and runs through till next revision
 - The Plan Formulation “Characterization and Quantification” effort for the Future No Action Condition is completed in conjunction with the “Dry Run”

Revision 5 – December 9

Plan Formulation Report Common Model Package

- Include modifications necessitated by the “Dry Run”
- Include new Los Vaqueros Reservoir module
- Include new Colusa Basin hydrology
 - Stony Creek
 - Orland Unit
 - Tehama-Colusa Canal Authority
 - Glenn-Colusa Irrigation District
 - Colusa Basin Drain
- Include enhancements to flow/salinity closure work on SJR and water quality module extension
- Use new Sacramento River temperature model
- Extension of DSM2 period of record through 2003
(1922-2003)

Plan Formulation Report Common Model Package Application

- Simulation
 - Future No-Action Condition
- CALSIM II release on January 30, 2006
- Full CMP release in mid-March, 2006
 - Full Period DSM2
 - Final LCPSIM/CVPM
 - Temperature and Power model simulations
- Additional simulations to follow
 - Existing Condition (date TBD)
 - Supplemental Future No Action Condition (date TBD)