

CVP Operations

CA Cooperative Snow Surveys Program

Folsom, CA

Nov. 20, 2003

Reclamation's Mission

- 1) Deliver water
- 2) Deliver power
- 3) Do what is necessary to meet #1 and #2.
- 4) Plan for the future

CVP Operations

- Water Supply Allocations based on a conservative forecast.
 - 90% exceedence (Dry)
- Power Generation/Load Forecast based on water operations

Daily Decision Process

OPERATIONAL DATA

Delta Water Quality
Delta Outflow
River Flow
River Temperatures
COA
Energy
CVPIA b(2)
Fishery Status
Storage Targets



OTHER DATA

Forced Outages
Air Temperatures
Emergency Operations
Fish Salvage
Tides, Winds
Precipitation

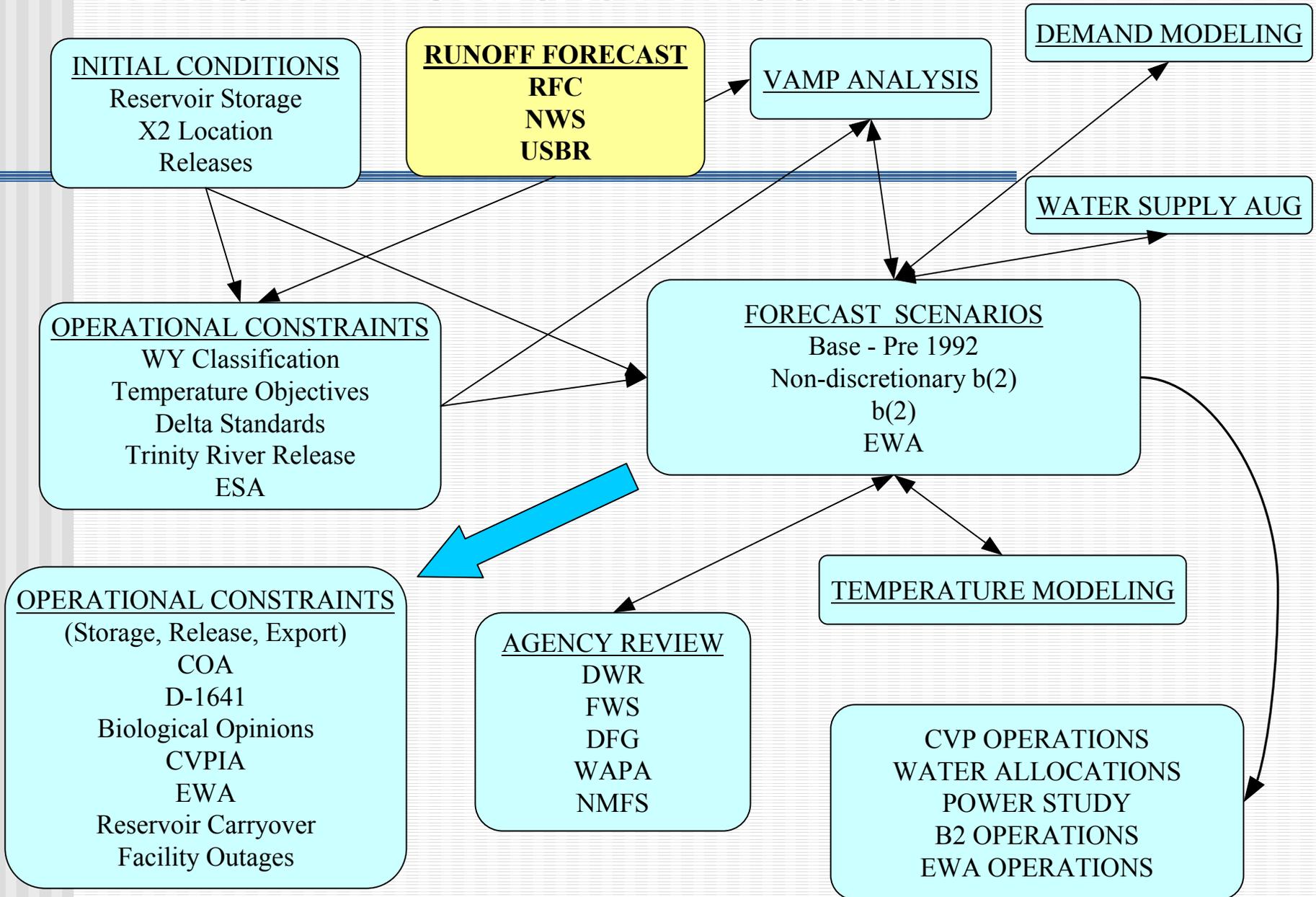
COORDINATION

Dept of Water Resources
Corps of Engineers
National Weather Service
Fish and Wildlife
Dept of Fish and Game
National Marine Fisheries
Western Area Power Administration
Local Agencies

DECISIONS

River Releases
Trinity Diversions
Delta Exports
San Luis Operations

12 MONTH FORECAST PROCESS



Runoff Forecasts

- Historical data
 - 90%, 70%, 50% exceedences
- DWR (B120)
- NWS (Water Supply Outlook)
- USBR
- 20-Day Snowmelt runoff volumes
 - 90%, 50%, 10% exceedences

CVOSS

- Central Valley Operations Scheduling System
 - Develop hourly schedules
 - Optimize
 - Constraints
 - Hydrology
 - Load
 - Price

www.usbr.gov/mp/cvo/

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