

## **Need For Updates**

- Better representation of California's water system.
- Maintain the applicability with changing conditions and demands.
- Integration to other models, such as CALSIM II, C2VSim and SWAP.

## **CALVIN** Overview

- CALVIN represents California's entire inter-tied water infrastructure.
- Hydro-economic engineering optimization model.
- 82 years of monthly prescribed operations.
- Economic values for agricultural and urban uses.
- Flow constraints for environmental uses.
- Covers 92% of state's urban demand and 88% of agricultural demand.



### **Time-series** Extension

- CDEC Full Natural Flow data



# **CALifornia Value Integrated Network: Model Updates**



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