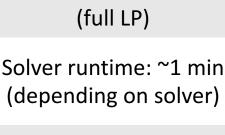| CALVIN	PyVIN
Large-scale hydroeconomic model	
Optimize water allocation to agricultural and urban users	
Minimize statewide water scarcity and operating costs	
HEC-PRM and VBA based	Pyomo and Python based
Less flexible (limited to HEC-PRM)	More flexible (full LP)
Solver runtime: ~16 hr (depending on initial solution)	Solver runtime: ~1 min (depending on solver)
Requires 32 bit Windows PC	Any computer
HEC-DSS database	Open source: data and source code