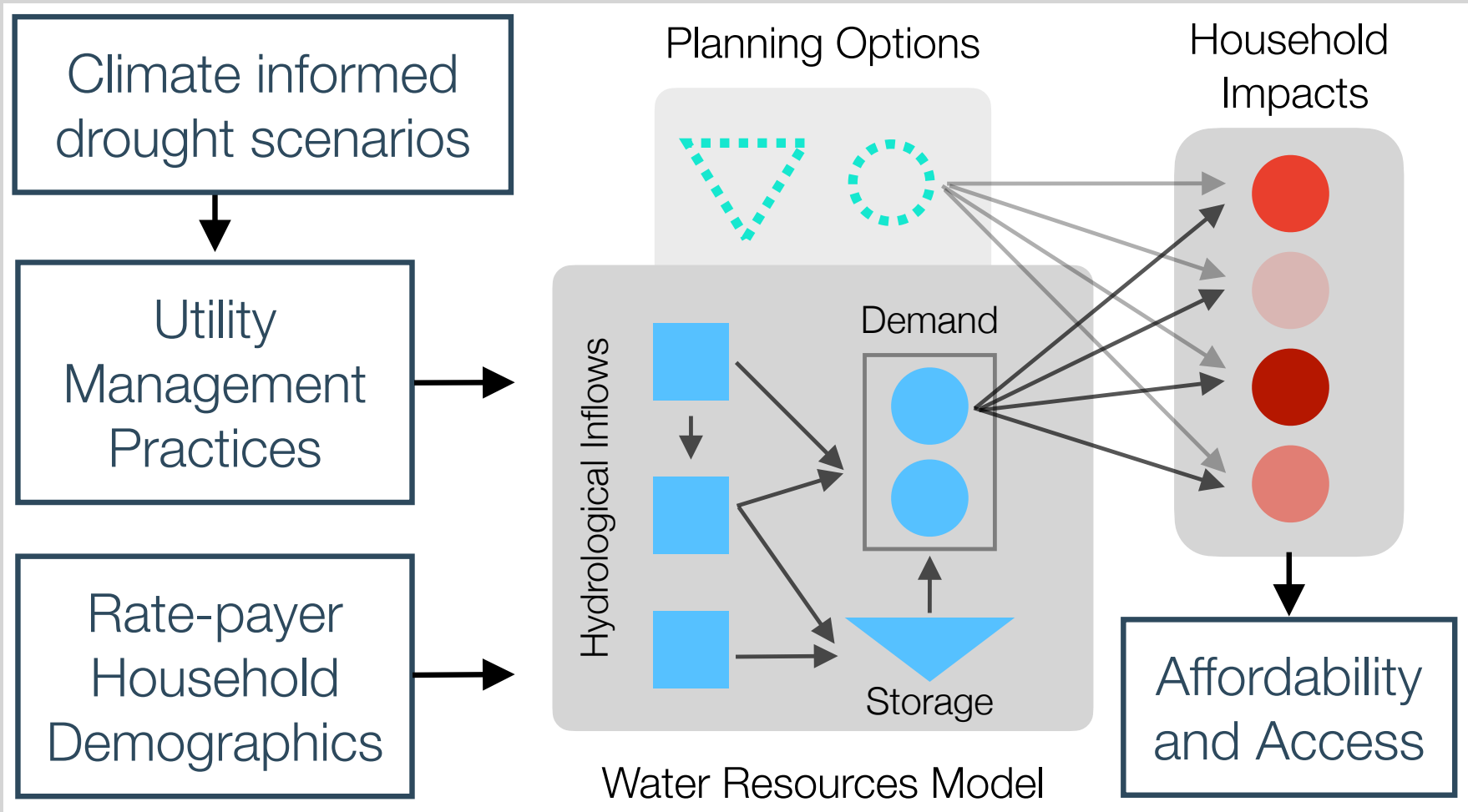


# How do a utility's **water supply planning** impact **household water access and affordability** in California?

## Methods

- Numerical water systems models
- Decision making and long-term planning under uncertainty
- Climate-informed drought scenarios



Household-impact model schematic

**Drought mitigation measures** (e.g. investing in new supplies, asking people to conserve) **increase water rates**, and **reduce access to water** for the most vulnerable.

Working to develop **metrics of water affordability & access** which reflect **community needs**

Affordability:  $\frac{\text{Monthly Water Bill}}{\text{Monthly Household Income}} \leq 0.02$

Access:  $\text{Monthly Water Use} \geq 6 \text{ ccf}$



**The Fletcher Lab**

