## Drought in California

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## Facts

- $98 \%$ of California
- Over half of the state in D4 "exceptional" drought
- 5th-largest food supplier in the world
- Grows $43 \%$ of nation's fruits, vegetables and nuts
- Grows $90 \%$ of nation's almonds, grapes, wand broccoli


## California drought becoming much, much worse every year



## Facts

## CALIFORNIA RESERVOIRS

Facing a major statewide drought, the water levels in California's reservoirs are substantially lower than their capacity and their historical averages (except for the state's two smallest, Castaic and Pyramid lakes)


- Almond trees consume 1.07 trillion gallons of water
- Drought cost farmers $\$ 2.2$ billion
- California reservoirs at all time low

- Some reservoirs predicted to have less than 1 year ${ }^{\circ} \mathrm{of}$. water left







## Folsom Lake

- Snowpack provides $30 \%$ of water
- Snowpack at second lowest ever

Where there was 66 inches now barren areas



## Tahoe snowpack over 3 years

## Chesellller

## SEA WATER

First Schematic

TAP
SUN RAYS

## DESALINATOR

## Our Solution

1. Sunlight goes into glass
2. Water slowly evaporates
3. Water vapor goes up tube
4. Leaves drinkable water in tank




- Very cost efficient
- Cannot provide water for Easy to do more than a few people Can be built to any scale - Takes very long to provide Renewảble, Energy 5 - - for 1 person


