

Option 1: Live Within Our Means	
	Values
<ul style="list-style-type: none"> <li>• We live in a desert, maybe it's not ideal for human life.</li> <li>• 50% cutback during drought – use more efficient appliances now.                             <ul style="list-style-type: none"> <li>○ Sensors of how much water use could be helpful to keep track.</li> <li>○ Showers that show how long.</li> </ul> </li> <li>• With reduced water flow, hard to wash hair, increase time.</li> <li>• Who should pay for switching to new efficient appliances?                             <ul style="list-style-type: none"> <li>○ <b>Could be a burden – requires people to take initiative.</b></li> </ul> </li> <li>• Some families who get it for free/reduce may be motivated.</li> <li>• Tax break could contribute</li> <li>• We choose to live in a desert...the environment is an incentive to be able to continue this way of life.</li> <li>• Why so narrowly focused on infrastructural means?</li> <li>• Fixed quantity of water per month.                             <ul style="list-style-type: none"> <li>○ <b>If you take a long shower, don't water lawn.</b></li> </ul> </li> <li>• Don't tell people, "you have to do this."                             <ul style="list-style-type: none"> <li>○ <b>People are stubborn.</b></li> <li>○ <b>You don't have to, you want to.</b></li> </ul> </li> <li>• Compare water usage to neighbors.                             <ul style="list-style-type: none"> <li>○ <b>Too competitive – water shaming.</b></li> </ul> </li> <li>• People can rebel against peer pressure.</li> <li>• Capitalism may kill us – everything costs money.</li> <li>• Plant in Carlsbad helps with desalinating water...we live by an ocean.</li> <li>• Plant + pipeline = 1 billion</li> <li>• Regressive cost. Should we start from the top? Let's start with inst. and rich who can afford it.</li> <li>• Changing color waterhead and showers with many</li> </ul>	<ul style="list-style-type: none"> <li>• Preserving environmental</li> <li>• We love where we live</li> <li>• We want to use water how we want</li> <li>• Don't let big business off the hook</li> </ul>
	<p><b>Tradeoffs</b></p> <ul style="list-style-type: none"> <li>• Unfair to less wealthy</li> <li>• Expensive</li> <li>• Overly capitalistic</li> </ul>

<p>heads...this type of person won't be changed by incentives.</p> <ul style="list-style-type: none"> <li>• Sphere of control.</li> <li>• Should we ask industry to limit? <ul style="list-style-type: none"> <li>○ Have water efficient business.</li> </ul> </li> <li>• You can control behavior of people w/o a lot of resources.</li> <li>• Is this a just mechanism?</li> <li>• In San Diego County, poorest region uses the least water. <ul style="list-style-type: none"> <li>○ Poor region – is it fair for them to pay the same amount as high use wealthy areas?</li> </ul> </li> <li>• No. CA sends a lot of water south.</li> <li>• Flood irrigation no.</li> <li>• Modernize farming community.</li> <li>• Family owns vineyards; uses drip systems to monitor; has been successful.</li> <li>• Signed agreement to cut back water by 25%.</li> <li>• 139 gal/per person per day; no one needs this much to live (incl. water outside.) <ul style="list-style-type: none"> <li>○ Cook, flush toilet...adds up.</li> <li>○ Dishes.</li> </ul> </li> </ul>	
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<b>Option 2: Enable the State to Regulate Water as a Scarce Public Resource</b>	
	<b>Values</b>
<ul style="list-style-type: none"> <li>• Government exists to defeat collective action problem.</li> <li>• There should be some regulation.</li> <li>• State has mandatory restrictions.</li> <li>• Based on how much each region (agency) uses, they need to cut by “x” percent.</li> <li>• Can't water certain times/days.</li> <li>• Restaurants only serve h<sub>2</sub>o if asked.</li> <li>• People interpret role of gov't differently.</li> <li>• They only want help with certain things.</li> <li>• Regulations are helpful, but how do you get public involved?</li> </ul>	<ul style="list-style-type: none"> <li>• Recognize citizen voices</li> <li>• Balanced and fair policies</li> <li>• Regional focus</li> <li>• Respecting tradition</li> </ul>
	<b>Tradeoffs</b>

<ul style="list-style-type: none"> <li>• Regulations are good because better safe than sorry. Some abuse privileges. <ul style="list-style-type: none"> <li>○ Not a perfect world.</li> </ul> </li> <li>• Gov't protects common good.</li> <li>• Every voice needs to be heard in gov't – citizen friendly.</li> <li>• Regulations do more good than harm.</li> <li>• Gov't should make sure quality of life is good.</li> <li>• Preventative measures needed for this.</li> <li>• Apply regulations more fairly.</li> <li>• Who pays for enforcement of regulations?</li> <li>• Good use of taxpayer money.</li> <li>• Exporting farming to reduce water use in water-heavy crops.</li> <li>• Don't want "one size fits all" regulations.</li> <li>• During years when we don't need water, save it.</li> <li>• California fights over water. Farmers need it and don't want it saved.</li> <li>• Balance in regulation to please everyone.</li> <li>• First in line water system in California.</li> <li>• Colorado River has 6 agencies</li> <li>• Federal gov't – Sierra Nevada</li> <li>• Many different controllers – state, federal, farmers are 1<sup>st</sup> in line.</li> <li>• Water Rights are very old.</li> <li>• Obama wanted to change these rights – people were angry.</li> <li>• Very political (farmer lobbyist).</li> <li>• Regulation on supply side.</li> <li>• Take water that you use, filter it, and reuse it.</li> <li>• Write new regulation to use supply we already have.</li> <li>• Cap and trade to buy credit to use water rights.</li> <li>• Helps people who need the water, receive it.</li> </ul>	<ul style="list-style-type: none"> <li>• Not every group gets what it wants</li> <li>• People are hesitant to change</li> </ul>
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<b>Option 3: Rely on CA's Diverse Regions to Manage their own Water</b>	
	<b>Values</b>

<ul style="list-style-type: none"> <li>• Definitely possible, NorCal in Eureka region has a ton of rainfall; we should capture it.</li> <li>• Create more storage facilities – very outdated.</li> <li>• Ocean is becoming more acidic; does this affect desalination?</li> <li>• This process goes through two processes to remove plant life, then separate molecules and then adds minerals + CO<sub>2</sub>.</li> <li>• Always do water quality to check the levels of things such as Ph. <ul style="list-style-type: none"> <li>○ Concerning b/c of removing plankton...these remove greenhouse gasses.</li> <li>○ We need more research.</li> </ul> </li> <li>• Less water moving around, the better; pipes go thru San Andreas.</li> <li>• Local problems need local solutions.</li> <li>• People are too focused on desalination.</li> <li>• Ick factor!</li> <li>• People don't want to drink water from the toilet.</li> <li>• Next generation doesn't know about this issue.</li> <li>• Last case scenario...build pumps to bring to dry areas.</li> <li>• We might have to limit development.</li> <li>• Legislators have to make decisions about places they don't know anything about.</li> <li>• It's a plus to have knowledgeable people make these decisions.</li> <li>• Unfair to public to have the same regulations in different regions.</li> <li>• Environmental problems come from closed-minded local thinking.</li> <li>• We adapt the environment to what we want...this causes more problems.</li> <li>• How can we adapt to the environment?</li> <li>• Bits and pieces from each part.</li> <li>• There's a benefit to doing everything, but who's going to pay?</li> <li>• Disneyland uses potable water.</li> </ul>	<ul style="list-style-type: none"> <li>• Protects current environments</li> <li>• Adapt to environment around us</li> </ul>
	<p><b>Tradeoffs</b></p> <ul style="list-style-type: none"> <li>• Capturing rain could damage environments</li> <li>• Other problems could result from desalination</li> <li>• People are grossed out by recycled water</li> </ul>