

EPI 2 – The Valley of opportunities

3. Project for a cause

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Our problem is that right now we are going through a severe water crisis, and one of the biggest factors is of people wasting water from their sinks. But if they're leaving the water running long after washing their hands forgetting to turn it back off or leaving it running while brushing their teeth, people waste water every day. In fact, the average American uses 176 gallons of water per day. Compared to a family that lives in Africa, that uses five gallons every day, that's a lot of water.

The H2Oaware teaches users to be aware of the amount of water they use every day, and also thins out the water stream coming out of the sink to save water. Usually, sinks have a consistent stream, but most of the water that comes out is wasted. The H2Oaware fits over the sink faucet and thins out the water by only allowing fifty percent of the water stream to pass through. This allows for a consistent stream, but it's just more spread out and environmentally-friendly.

Not only does the H2Oaware allow for water saving, it also tracks the amount of water people use. There is a fan inside which tracks the amount of water that passes through. The H2Oaware determines how much water passes through by counting the number of times the fan rotates. It then displays the number of gallons of water the user is using, making them more aware of their water usage.