GREENER

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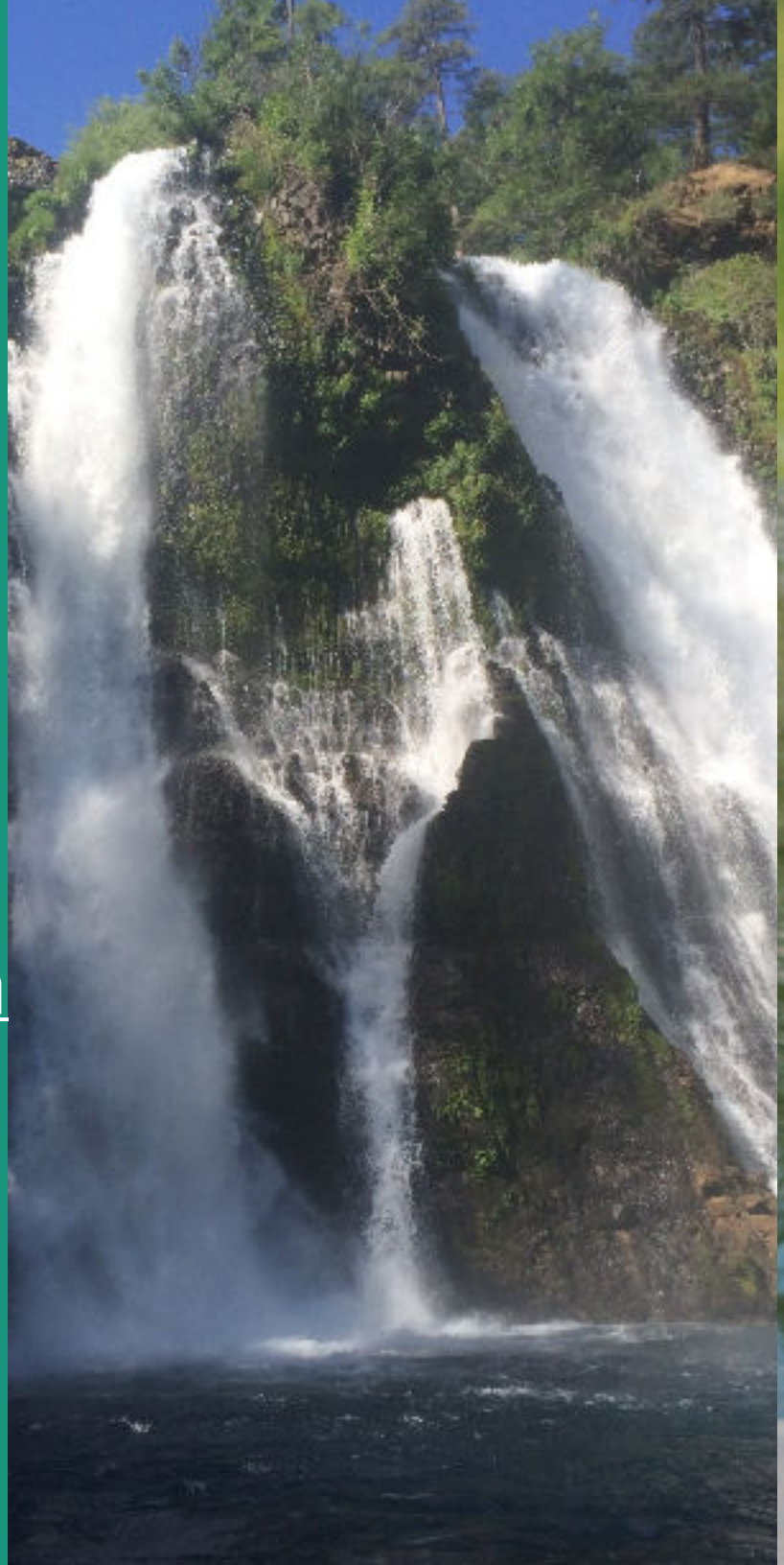

DAY 10
WATER

PGC 2017

2009 MacBook Laptop

I could not find the exact or even estimated water footprint of an Apple laptop because Apple does not disclose that information to the public. I imagine the water footprint is very large considering it's an electronic item , is made of plastic , aluminum, and glass, and is mass produced in a large factory. I'm assuming that the Asus U33jc-A1 laptop has a smaller water footprint since it is more environmentally friendly - made out of bamboo which an energy efficient motor. Next time I purchase a laptop, I will purchase one with a smaller water footprint.

Organic Banana

On average a banana requires 160 litres of water. Globally a banana requires 790 litres of water per kg. I am not surprised by 160 but by 790. How can one banana take 790 litres of water? A banana needs 160 litres of water because it needs to grow on a tree with water, sunlight and oxygen. There is not an exact alternative to bananas. I would have to make a dietary change like switch to a different type of fruit.

Cotton Bed Sheets

It is estimated that to make one non-organic cotton bed sheet it takes 2,800 gallons of water. This didn't surprise me at all since I know that cotton is a very water intense crop. Cotton requires a lot of water because it is grown in a very dry climate and it just needs a lot of water to grow and thrive. An alternative to cotton sheets would be hemp sheets because its consumes at least 50% less water and needs little irrigation.

Lamp/Light bulb

To power a 60 watt incandescent light bulb for 12 hours, you need 3,000-6,000 gallons of water. Now I'm not exactly sure what type of light bulb I have and I certainly do not have my lamp on for 12 hours so the water needed for my lamp would probably be much less than that number. Although that surprised me a lot. Just to power one light bulb, it requires at least 3,000 gallons? That is a lot of water. An alternative to my light bulb would be to change the light bulb or the energy source. I could switch to solar power or a lesser watt of light bulb.

Socks

To make socks I am estimating that it would take 200 gallons of water. That is if the socks are made or cotton because for a cotton shirt, it requires 400 gallons of water. I am not surprised by this amount of water because as I mentioned previously cotton needs a lot of water to grow. An alternative to cotton socks could be bamboo or even recycled synthetic socks. Bamboo still takes up quite a bit of water but is still better than cotton.