

First customer meeting:

- The generator is meant to work anywhere
- often purchased as a business venture
- It should be easy for women and children
- 20-30 of the units in use have 2 generators
 - decreases individual effort
 - increases price (~\$300-400)
 - necessitates a second person
- Customers earn \$3-5 per day
- Units produce gallons of water for pennies
 - Water is safer to drink
 - is still gross
- Units come with test kit to make sure it's working
 - so far, all have worked
- 25-30% of units are in schools/orphanages
 - used by kids
 - often as part of Physical Education
 - usually each school has 2-4 units
- looking to mass-produce the product
- There is no patent on the product
- efficiency, power, and ergonomics are most important
- of total cost, about 10% is from injection-molded plastic parts made by B9
- want to avoid custom parts
- lifecycle of the device should be long
 - repair should be easy
 - replace parts, not fix
- Women bring water back from the source
 - usually 5 gal
 - ~40 pounds
 - on their heads
 - leads to skeletal and muscular damage
 - for 5 km
- The trailer is an entirely different product
 - plays off the BWM
- 17W needed altogether
 - most goes to the bulb
 - it's the most common and efficient bulb available cheaply right now
- The BWM is sometimes used with a battery
 - usually a car battery
 - charged by:
 - being plugged in when power is working
 - charging stations in town
- kids will play with anything; there isn't much already there
- a merry-go-round unit was tested, but it was much abused and inefficient

- an estimate for mass-production in China was \$300
 - we need to get that down to \$150
- Unit 'makes' .5 gal/min
 - should be 'made' only when it is needed
 - to prevent recontamination
 - is meant to 'make' what the family needs
 - also maybe some more, to sell to other families
- It must be easily shipped to reduce costs
- it must be highly durable
- Currently, it uses a hand crank
 - can be foot pedals
 - recumbent
 - they don't actually appear to care about machines between women's legs
- Kate expects a lot of communication
 - especially early-on in the project
 - mostly through email

Eavesdropping on the Second Group

The second group is working on an additional water treatment device. It will filter sediment from the water before our part of the device conditions it.

- The company is not attached to the french press idea
- the previous group kept trying to do it with a bucket, but since buckets are tapered, they kept breaking their mechanism
- We aren't attached to those common 5 gal buckets, either
- the filter does not need to work with multiple devices
 - there's little capital invested in this idea yet, you have a lot of rein
- lots of char around
 - filter could incorporate that
- There are no standards of purification to follow
- The filter is meant to live at the owner's home and not move around too much