

Use as many of these sheets as necessary to explore the solutions & to cite your sources.

Into the Shark Tank: Criterion A: Inquiring & Analyzing - Task 2 -
Evaluating Existing Solutions Graphic Organizer
 Oberdorf, Ryan

Existing Solutions

Components of Solutions

Firefighters using as little water as possible (the interview pertains to what they do during drought)

- water is not used during training
- not watering ~~some~~ smoldering ashes because it is unnecessary (they stamp out ashes with boots and tools)
- special adjustable nozzle that allow firefighters to tailor water streams to the intensity of the fire

Dual flush toilets

- 2 options when flushing toilet (30% of water in a household is used)
- Small flush for liquid waste (3-4.5L) by toilet
- Large flush for solid waste (6-9L)
- Can save 20,000L of water each year

Use machines that require water only when there is a full load (e.g. - washing machine, dish washer...)

- More dishes/cloths can be washed with that water than if it is used for
- Don't rinse dishes before putting them in machine (most machines say it is unnecessary)
- *gritter (Dish washer use around 25.8 gal; Dryer use 10-15 gal; Air handler 200g)*
- *top load washing machine use 33-35 gal of water*

Cited sources used for research and justification of reliability:

Type of Source: Primary or Secondary	Web Address or Book/Magazine/Documentary Title	Name of Author/Producer	Date of Publication	Justification of Reliability
interview - Primary	The Californian	Kerry Klein	November 17, 2014	She interviewed a firefighter who uses the solution.
Blog - secondary	Faced with drought, even firefighters conserve water https://foeme.wordpress.com	Emily Hylton	Jan, 18, 2012	Has author taking responsibility/links to sources
Secondary	pub.gov.sg	Pub, Singapore's National Water Agency	Last update - Jan 27, 2015	.gov 'Singapore Government' national water agency
Primary - compiled work by experts	home-water-works.org	home waterworks	@2011	.org/about us page / list of contributors with titles that say they know stuff about water.

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Faucet Aerators

Fix a leak week
(March 16-25, 2015)

- "Mixes" water with air
 - An aerator is like a net with many holes in it
 - The aerator separates a large stream ~~water~~ into many tiny streams. The air is between the streams. (It is an illusion that you are using the same amount of water)
 - Brings awareness to leaks
 - Awareness leads to people fixing leaks
 - The EPA watersense sight also shows people how to correctly fix a leak.
- stays how much water and money can be saved by fixing leaks*
- Average reduces household water use by 50% annually. Aerators reduce flow rate*

May I give you a hand as an example of diverse, creative solutions! I can help you expand your work and bring clean water to all.

Cited sources used for research and justification		Justification of Reliability	
Type of Source: Primary or Secondary	Web Address or Book/Magazine/Documentary Title	Publication	Justification of Reliability
Primary	www.epa.gov/watersense	Last update 3/5/15	The EPA
Secondary	ecobroker.com	2015	It's a national company "about us" page links work cited sources

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