

TAP WATER

By: Phoebe, Matthew, Elah and Erik

Group Plan

To reduce the use of Watsons water and increase the use of tap water with filters. We would like to get some filters for the school's taps, so that we could drink tap water and lower the price of the water bill. The filters may be expensive at first but last for a long time.

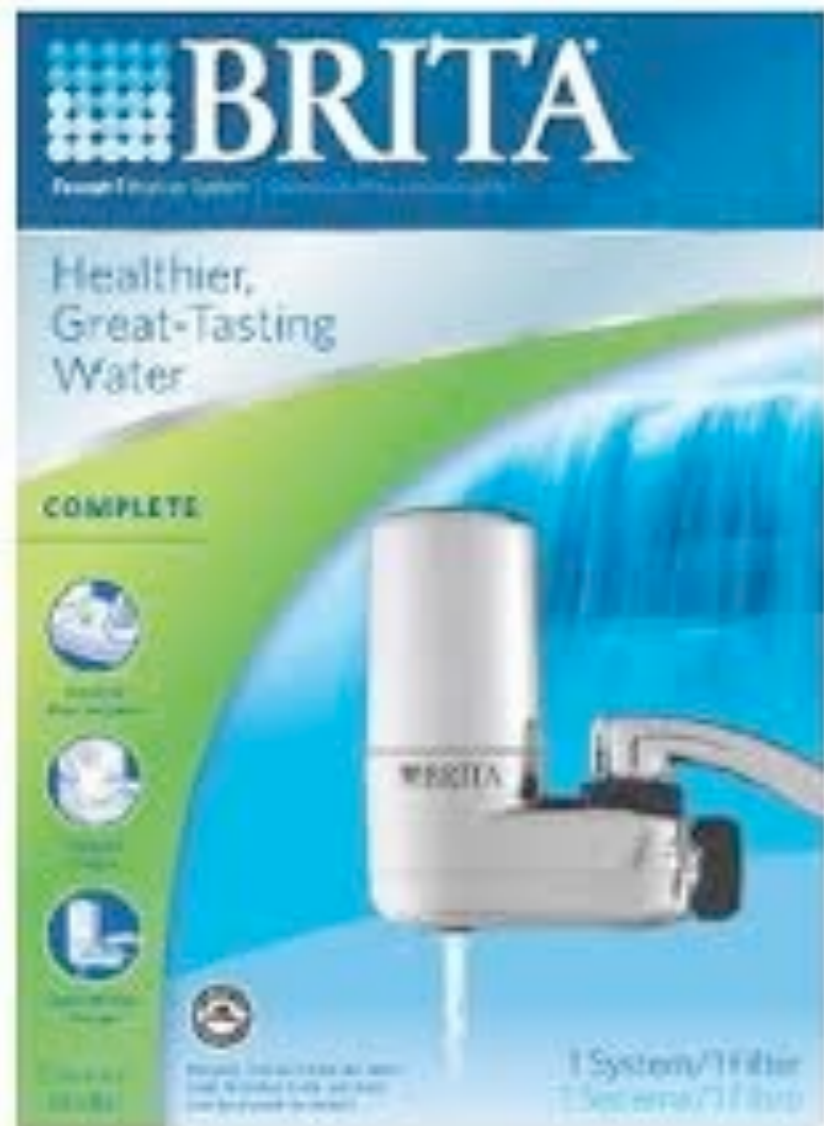
FILTERS

1. Brita faucet mount replacement water filters



- Price: \$232.94 HKD Per pack
- 2 Pack

2. "Brita On-Tap Faucet"



- Price: \$217 HKD per pack

3. "PUR® classicclear™"



- Price: \$155.372-\$233.097
(depending on the store)
HKD per pack

4. Pure Taste WP386 I



- Brand: Philips
- Price: \$338 HKD

5.Tap Filter HY-028



- China made
- Price: \$4.8825 HKD per pice (minimum order 240 pieces)

WHAT IS WATER?

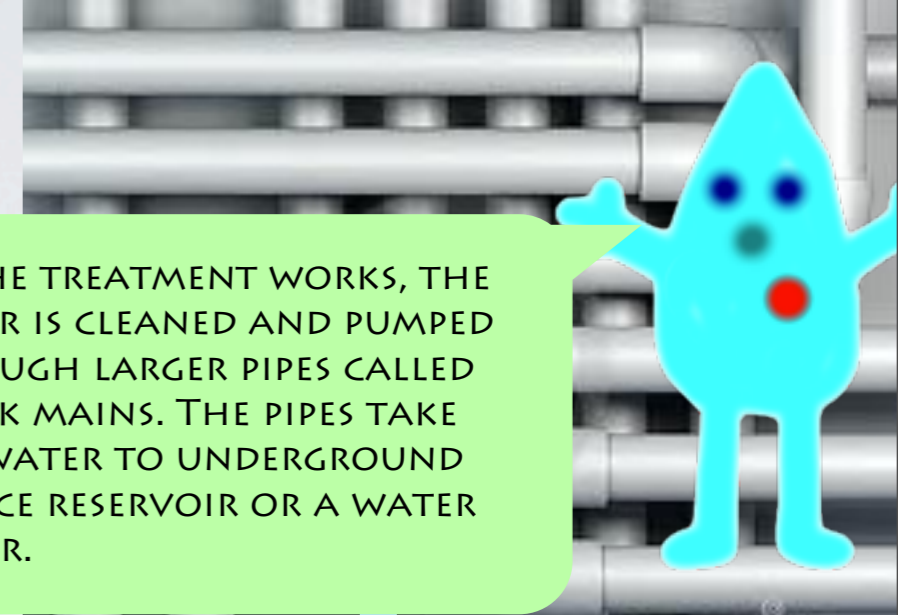
- Water is one of the most common substances on earth.
- Water is made out of molecules that contains hydrogen and oxygen which is also known as H₂O
- 70% of earth's surface is water
- %75 of the human body is water

WATER LIFE CYCLE

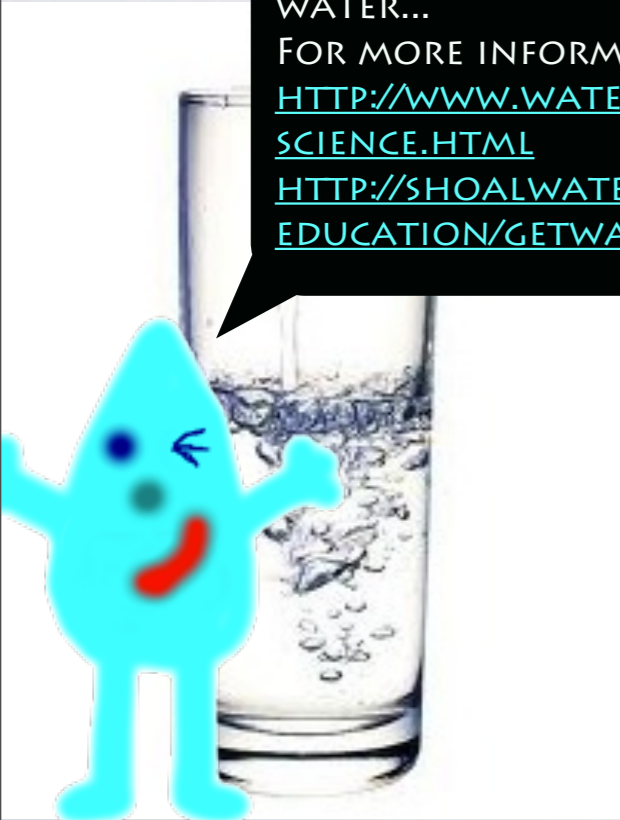
HOW DOES WATER GET TO OUR TAPS?



WATER IS TAKEN FROM BOTH NATURAL AND MANMADE RESOURCES. FOR EXAMPLE RIVERS AND LAKES. THEN THE WATER IS TRANSPORTED THROUGH PIPES TO THE TREATMENT WORKS.



AT THE TREATMENT WORKS, THE WATER IS CLEANED AND PUMPED THROUGH LARGER PIPES CALLED TRUNK MAINS. THE PIPES TAKE THE WATER TO UNDERGROUND SERVICE RESERVOIR OR A WATER TOWER.



NOW YOU HAVE A COOL CUP OF WATER...
FOR MORE INFORMATION:
[HTTP://WWW.WATER-GUIDE.ORG.UK/SCIENCE.HTML](http://www.water-guide.org.uk/science.html)
[HTTP://SHOALWATER.NSW.GOV.AU/EDUCATION/GETWATER_HOME.HTM](http://shoalwater.nsw.gov.au/education/getwater_home.htm)



FROM HERE WATER TRAVELS THROUGH SMALLER MAINS, FLOWING INTO A NETWORK OF PIPES IN OUR TOWNS AND CITIES. AT LAST ALL THE WATER IS PUMPED INTO THE TAPS IN OUR HOUSE.



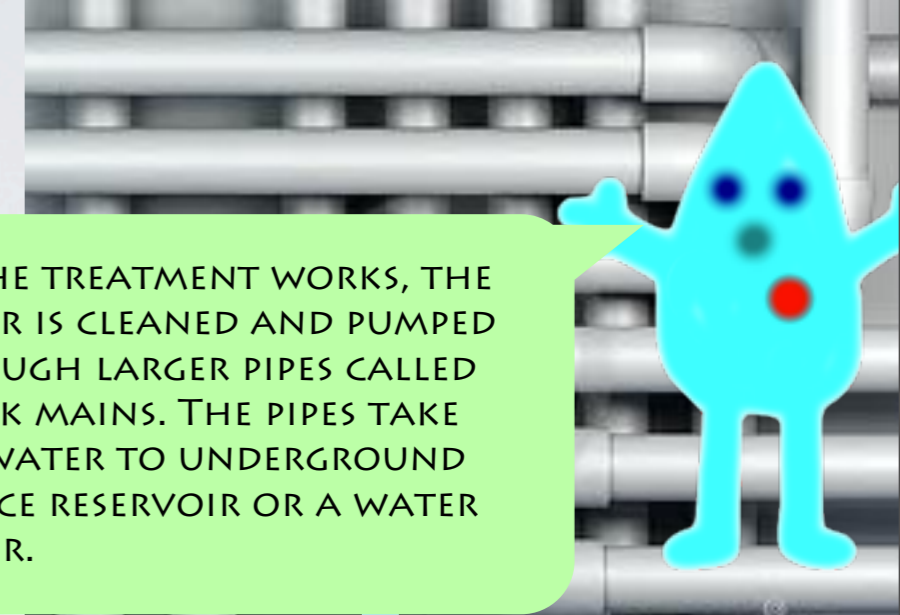
THE RESERVOIRS ARE COVERED WITH GRASS OR GRAVEL, SO THAT THE WATER STAYS CLEAN. WHEN THE PIPES LEAD TO A WATER TOWER, THE WATER IS PUMPED TO THE TOP. THEN THE WATER IS TRANSPORTED TO HOUSES AND FACTORIES.



HOW DOES WATER GET TO OUR TAPS?

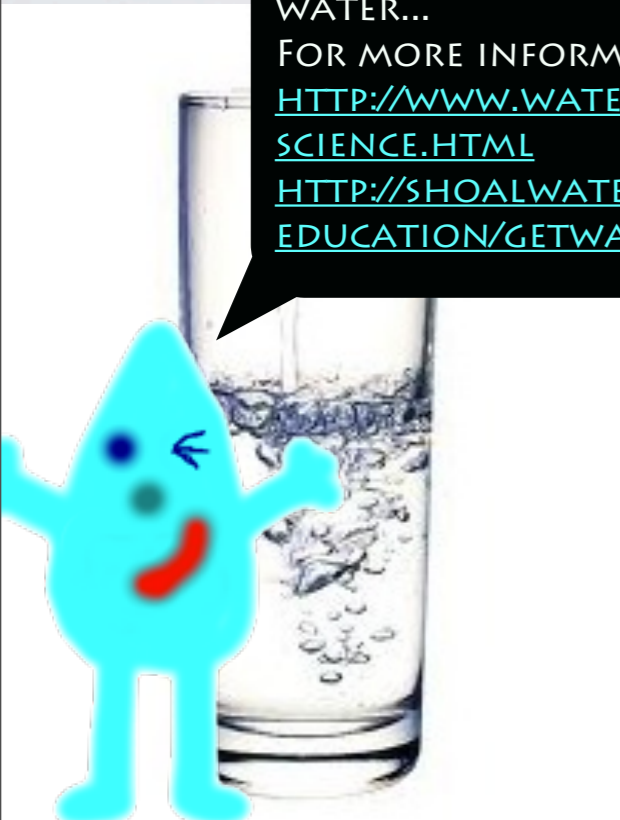


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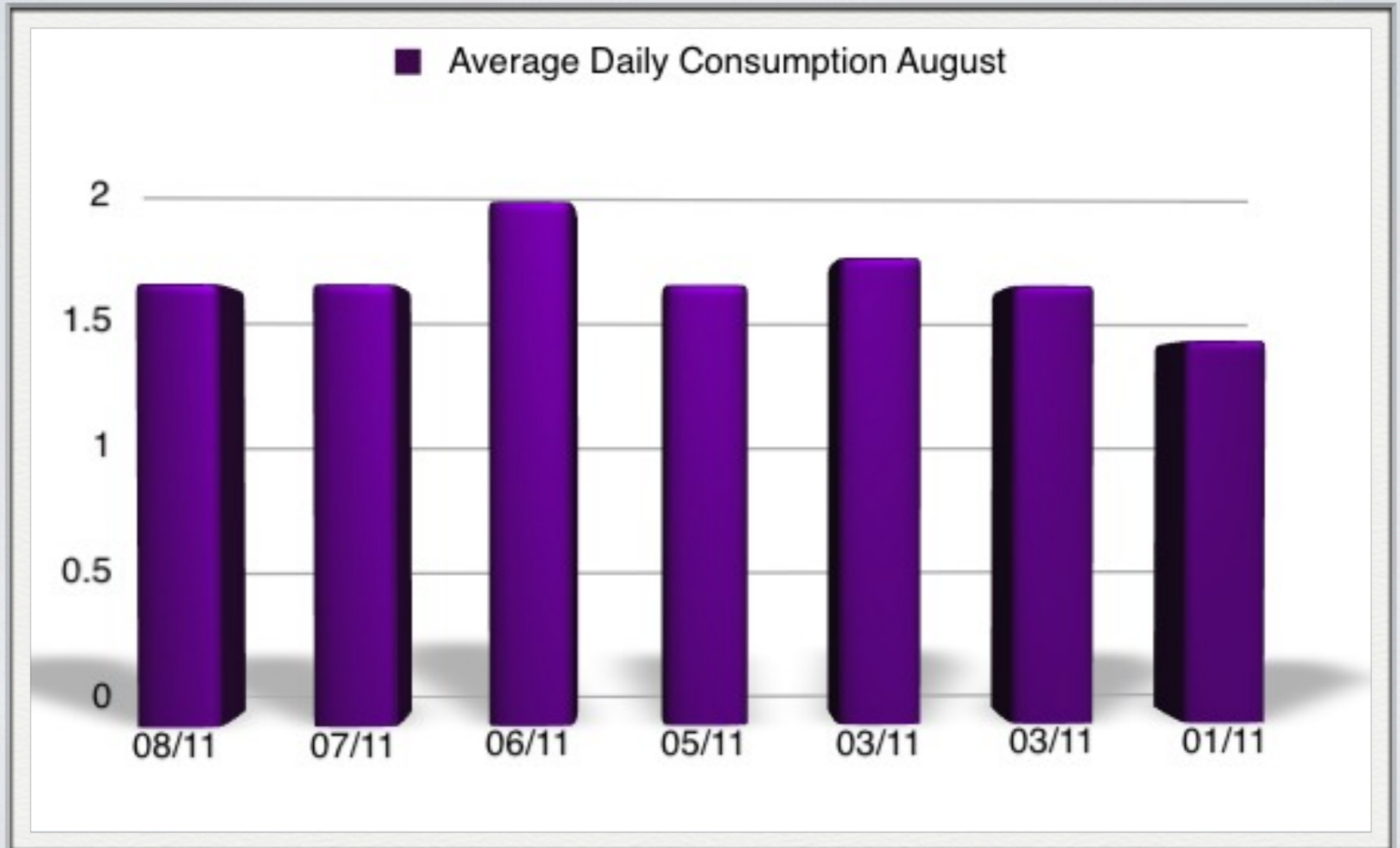


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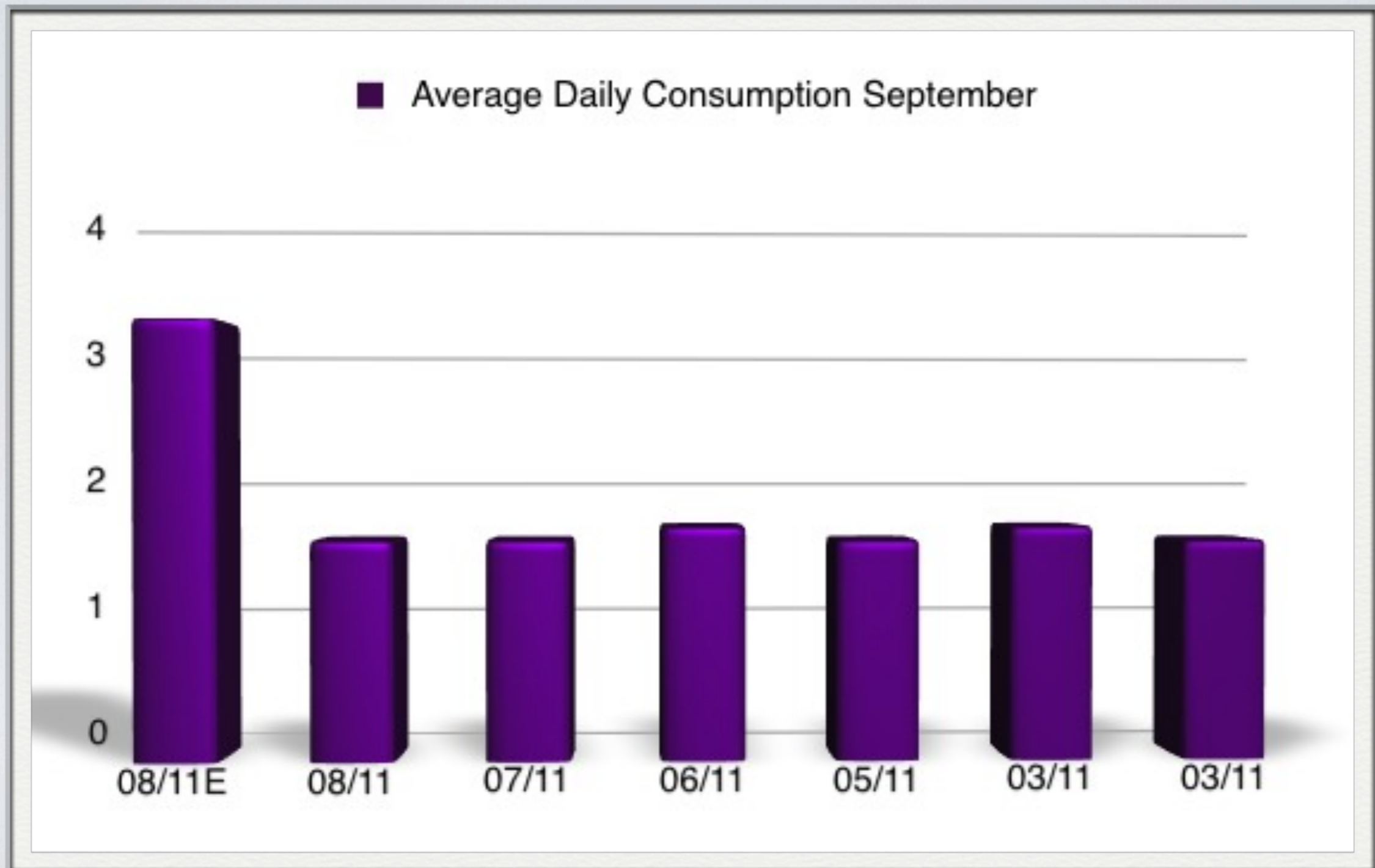


WATER STATISTICS

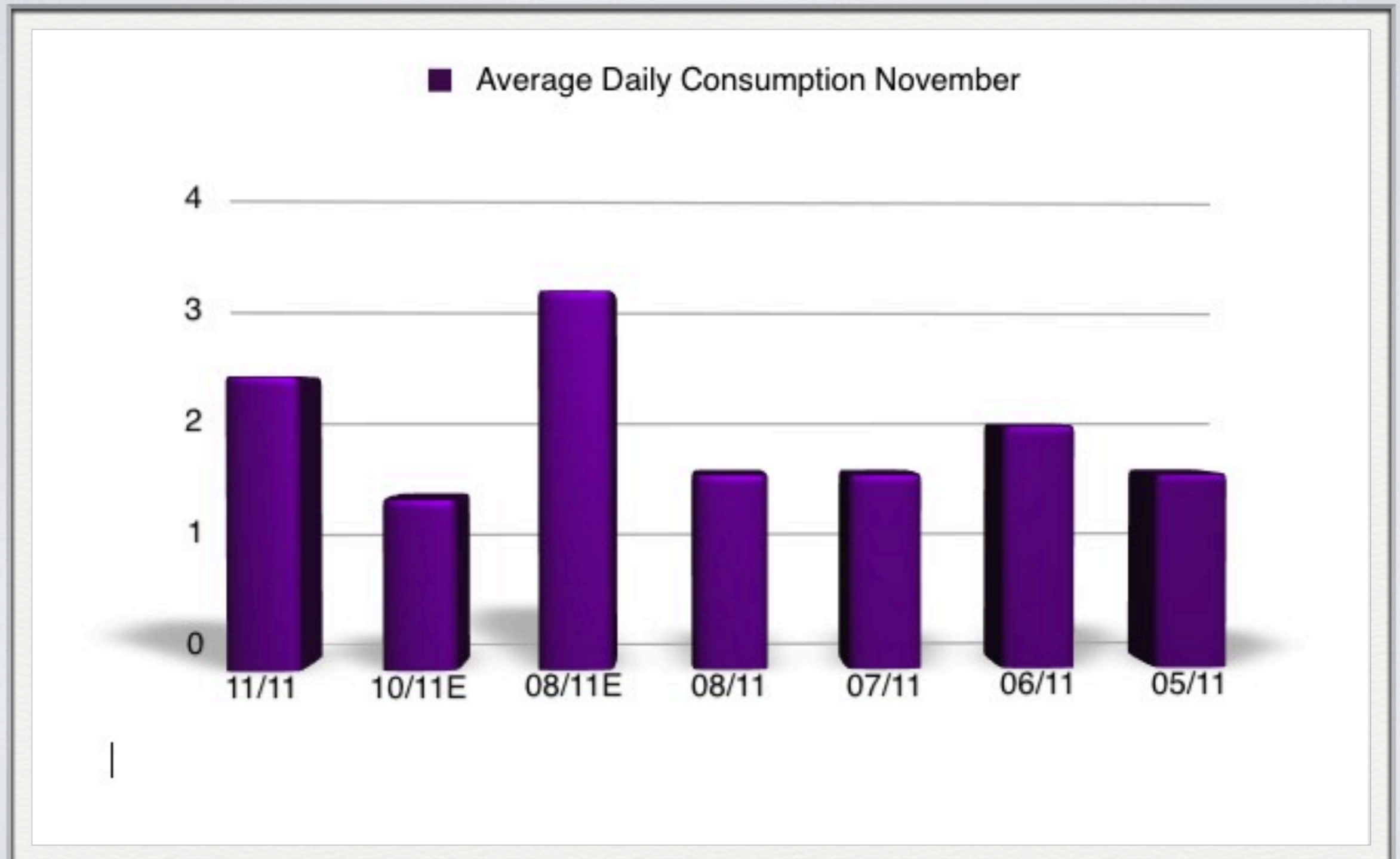
Daily Consumption in August Per Cubic Meter



Daily Consumption in September Per Cubic Meter



Daily Consumption in November Per Cubic Meter



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Tap Water Cost+Consumption

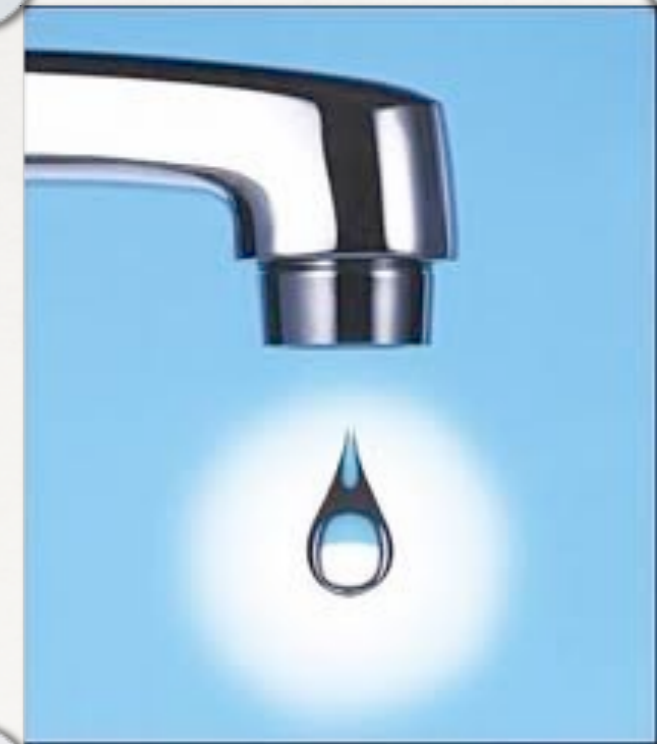
Cost (HKD)		Consumption (Cu.m.)	
Aug-11	\$314.50	50	
Sep-11	\$427.70	68	
Oct-11	\$364.80	58	
Nov-11	\$377.40	60	
	\$371.10	236	Total
	\$1,484.40	Total	
		Average for the year	
Estimated yearly cost	\$927.75		

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Average for the year

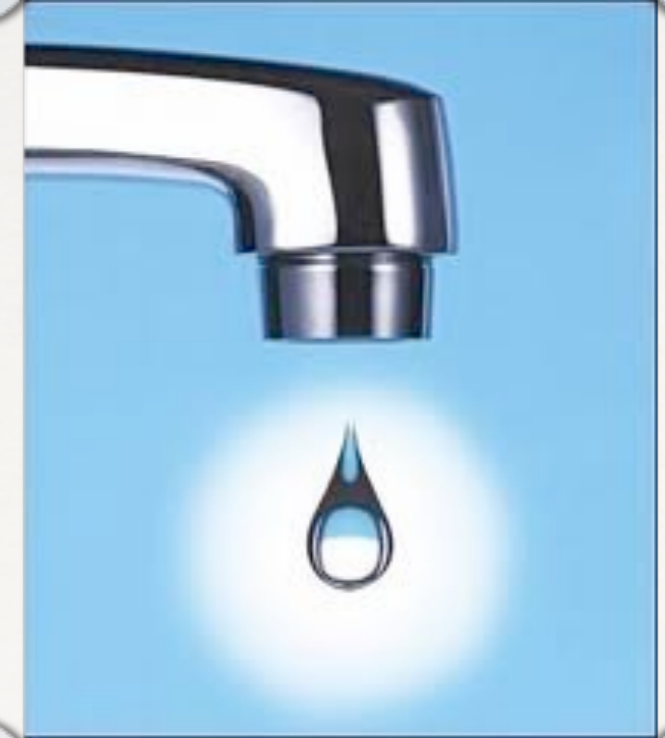
PRO'S V.S. CON'S

PRO'S



PRO'S

- ✓ Costs Less-
- ✓ Saves the Environment
- ✓ You don't waste money buying plastic bottles
- ✓ Cleaner Water
- ✓ No Recycling bottle problems if tap water is used
- ✓ The water gets cleaned before going into the pipes
- ✓ Tests are conducted every year to check if the water is safe



CON'S



CON'S

- ❖ The time the water gets to the tap , it picks up minerals and chemicals which then may changes the property of the water
- ❖ It needs to be replaced a lot
- ❖ The water goes through led pipes so led can get into the water



TAP V.S. WATSONS

- HKA Water Bills- Around \$370 HKD per month
- Watsons Water- \$81 HKD per jug. 30 jugs= \$2430 HKD



CONCLUSION

As a group we found that tap water is easier to access around the school. There is a total of 91 sinks in the school building in bathrooms, staff room, and classrooms. We as a group wanted to find solutions to how the school is going to use water more effectively. By asking for tap filters and doing some research, our plan is already in motion.

OUR SOURCES

- ▶ <http://www.brita.com/products/faucet-filtration/>
- ▶ <http://www.purwater.com/pur-products/water-filter-replacement/2-stage.html>
- ▶ http://www.philips.com.sg/c/water-purifier/pure-taste-wp3861_00/prd/
- ▶ http://www.diytrade.com/china/4/products/9843124/TAP_FILTER.html
- ▶ <http://www.newrinkles.com/index.php/health/pros-and-cons-tap-water-versus-bottled-water>

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