

5 April 2002

Professor Peter Newman
Director, Sustainability Policy Unit
Department of the Premier and Cabinet
15th Floor 197 St Georges Tce
Perth WA 6000

Dear Peter,

Climate change, population growth and pollution, all threaten the supply and quality of Perth's water. The State's Sustainability Strategy needs to consider these issues in order to achieve the sustainability of Western Australia's most precious resource – good, clean drinking water.

H2Only is a national company and market leader in water filtration and would like to participate in the strategy by making some suggestions and putting forward a proposal. H2Only is already associated with the government, having "Point of Use" water filtration systems installed in many government departments.

A relatively new concept, "Point of Use" water filtration replaces bottled water by filtering scheme water. This allows the government to generate revenue through savings. The revenue can then be redirected into the State's Sustainability Strategy and as a result, a sustainable system is produced complementing the Water Corporation's costly effort to produce scheme water.

The focus of our proposal is to generate revenue and sustainability for all government entities, including hospitals and universities, by replacing bottled water with filtration systems.

The Water Corporation consumes huge amount of energy to produce scheme water, of which, 2% is consumed as drinking water and the remaining 98% wasted on lawns and industry. Reshaping the consumption of scheme water will reduce the energy requirements needed to produce it and the demand on our dams.

Filtration systems installed in all homes will guarantee water quality and having plumbing systems redesigned, so that only scheme water is supplied to the kitchen and bathroom, improves efficiency. Irrigation and reticulation systems buried below ground to eliminate evaporation. Water being supplied from major filtration plants will remove impurities and clean the water before it re-enters the ground. A continuous removal of impurities at all stages, slowly cleaning the water as we consume it and reducing the energy costs needed to recycle it.

The concept of supplying water filtration systems to an entire population is very hard to conceive. However, if Perth's changing climate is an indication of the future, providing unlimited, clean, fresh, purified water to an entire city, will set a benchmark not only for Perth but also the rest of the country, and the world.

Water is the essence of life itself.

WATER

Western Australia's Most Precious Resource

A plan now, to guarantee a future.

What's needed? A split system of distribution, delivering two water qualities depending on use

SCHEME WATER:

What is it good for? Drinking, cooking, cleaning,

Where should it go? Kitchens and Bathrooms

Does the quality justify use? Yes

Does the quantity justify use? No

What percentage of scheme water is consumed as drinking water? 2%

GROUND WATER

What is it good for? Reticulation and Industry

Where should it go? Back into the ground and environment.

Redistribute the excess energy (98%) and resources (\$) into improving the quality of Ground Water.

Revenue for the State Sustainability Strategy

An example of the revenue that can be saved each year, by replacing bottled water with a "Point of Use" filtration system, at all government entities including hospitals and universities is \$4 128 000.

Based on \$9 a bottle and \$180 per cooler, per year, 3000 units going through an average of 9000 bottles per week will cost the government over 1 year \$4 752 000.

The cost for a "Point of Use" filtration system connected to a cooler unit is \$1095 plus maintenance twice a year \$178

3000 units at \$1273 each is \$3 819 000

	The Revenue Generated
Savings after the first year	= \$933 000
Second year onwards	= \$4 218 000 or 88.76%

I hope my correspondence is of interest and I would appreciate the opportunity for further discussions.

Warm Regards

Nathan Miller
Major Accounts Manager
H2Only Water Purification Systems.

This submission also included the following attachments:

Attachment A: H2Only Purified Drinking Water, Water Filtration Brochure

Contact the Sustainability Policy Unit of the Department of Premier and Cabinet to obtain copies.