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[Redacted] Sydney, NSW, 2001
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Ref: Sewerage - Concrete 2020 Ideas
Dear Australians,

Congratulations on the many positive ideas 2020 produced for so many organizations.

Australian cities that have abundant rainfall could strive to be self-sufficient in water, providing massive benefits for Rural Communities and for the Environment. One concrete step along this path is to reduce the amount of water Metropolitan Australia wastes.

New Scientist in March tells us that Los Angeles has upgraded its building requirements for water and energy efficiency. Australian cities could follow suit, as regulation is remarkably effective. Environmental disasters have destroyed many civilizations over the millennia and we could minimize environmental risk. Scientific analysis and ethical processes are required and sewerage may be a good place to start.

1. Toilet Design

I do not believe that there is a European or Asian city that uses a fraction of clean, drinkable, fresh-from-the-mountain water that Sydney does to drive its luxurious sewerage system.

I have lived in Europe, Asia and South America. Compared to them, our cisterns are too large and our toilets and pipes are inefficiently designed. We certainly do not need to use the finest water on the planet to flush our toilets.

A few proposals that could save good quality water and create genuine Australian business and job opportunities are:

- 1) Redesign existing residential toilet systems, making them more efficient.
- 2) Feed shower and machine water into a tank for flushing toilets.
- 3) Redesign and patent a new type of toilet that requires almost no water.

The Benefits are substantial, including reduced water bills for all Australians. A desalination plant becomes redundant.

2. Food Production

Australia imports food from many countries that use night soil in their growing processes. We do not seem to care what our local or imported fish eat and we accept that different types of bird and animal manure are used to grow local and imported fruit, vegetables and meat.

The water crisis in Australia's major food producing regions dictates that we will eventually start to use night soil to grow food in Australia. Our major cities will once

again become food producers as well as consumers, as they have abundant land and water resources.

The Benefits are substantial, as Australians will pay less for high quality food. It is unethical for Australians to over-consume the food of the world's poorest.

Best Wishes

PS: I thank intelligent Australians for the feedback they gave me for the ideas I sent to projects such as 2020, the Murray Darling and Sydney 2030.

PPS: This is a bipartisan letter that I am sending to different levels of government.

David