

# GLOBAL PROBLEM SOLVED!

By Simon Knox Grammar School

# THE PROBLEMS

- ◎ The Problems I have chosen are the rising sea levels, Energy and the worlds water supply.



# WHY ARE THESE PROBLEMS (WATER)

- ◎ The Global water supply is a problem because some people and famers are not getting the water they need to grow crops and drink so by pumping water from the ocean there would be much more water to go around.



# ELECTRICITY

- ◎ Most of the world uses fossil fuels for energy and those sources are running out. Some scientists even think that they will be gone by 2020. By generating hydro electricity the world would both reduce  $\text{CO}_2$  levels therefore slowing global warming, and provide sustainable energy for much longer.

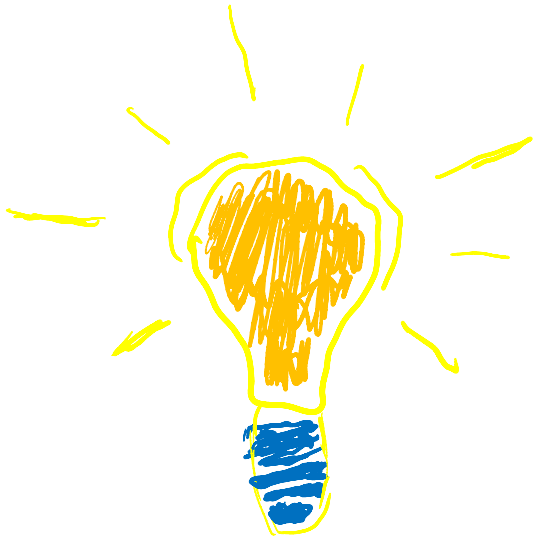


# RISING SEA LEVELS

- ◎ By Pumping water from the ocean for drinking we will also be lowering the sea levels. So instead of the sea levels rising 7 meters in the next 50 years (due to Global warming)we would considerably reduce that height.



# MY IDEA

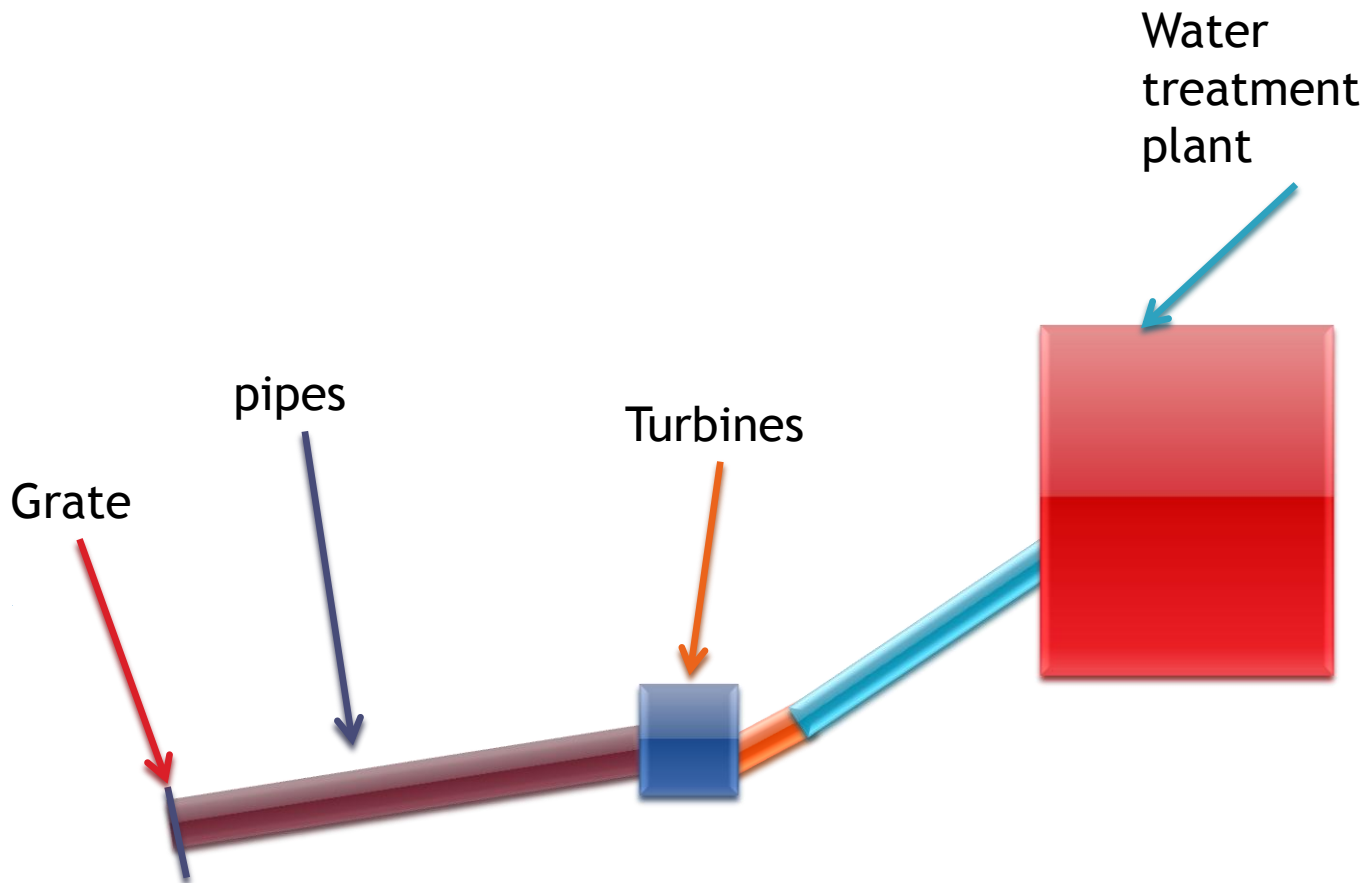


- ◎ It is believed that in 50 years' time the sea levels will have risen more than seven meters (due to global warming) my solution for this is to use the sea water for drinking as well as for generating electricity.

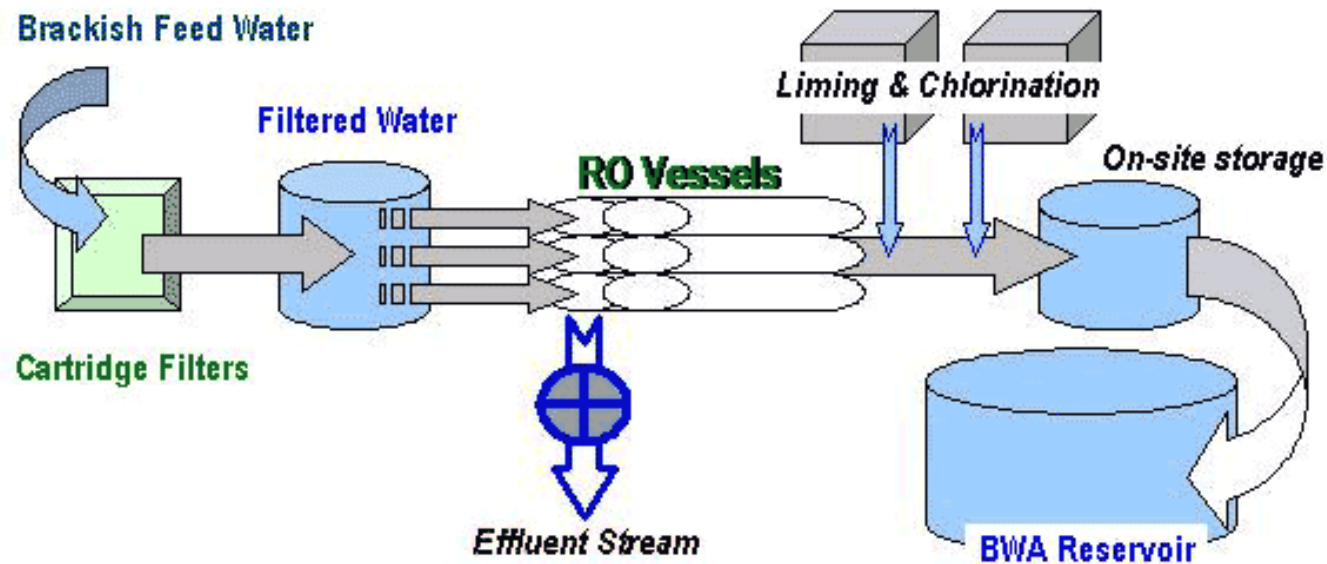
# EXPLANATION

My Idea would work by pumping water from the rising oceans through large water pipes, they would then run through a series of turbines that would generate electricity like the *snowy hydro* program (that operates in the Australian alps) Then it would go through a desalination plant to remove all of the bugs, salt and plankton that live in it for us to then drink.

# DIAGRAM



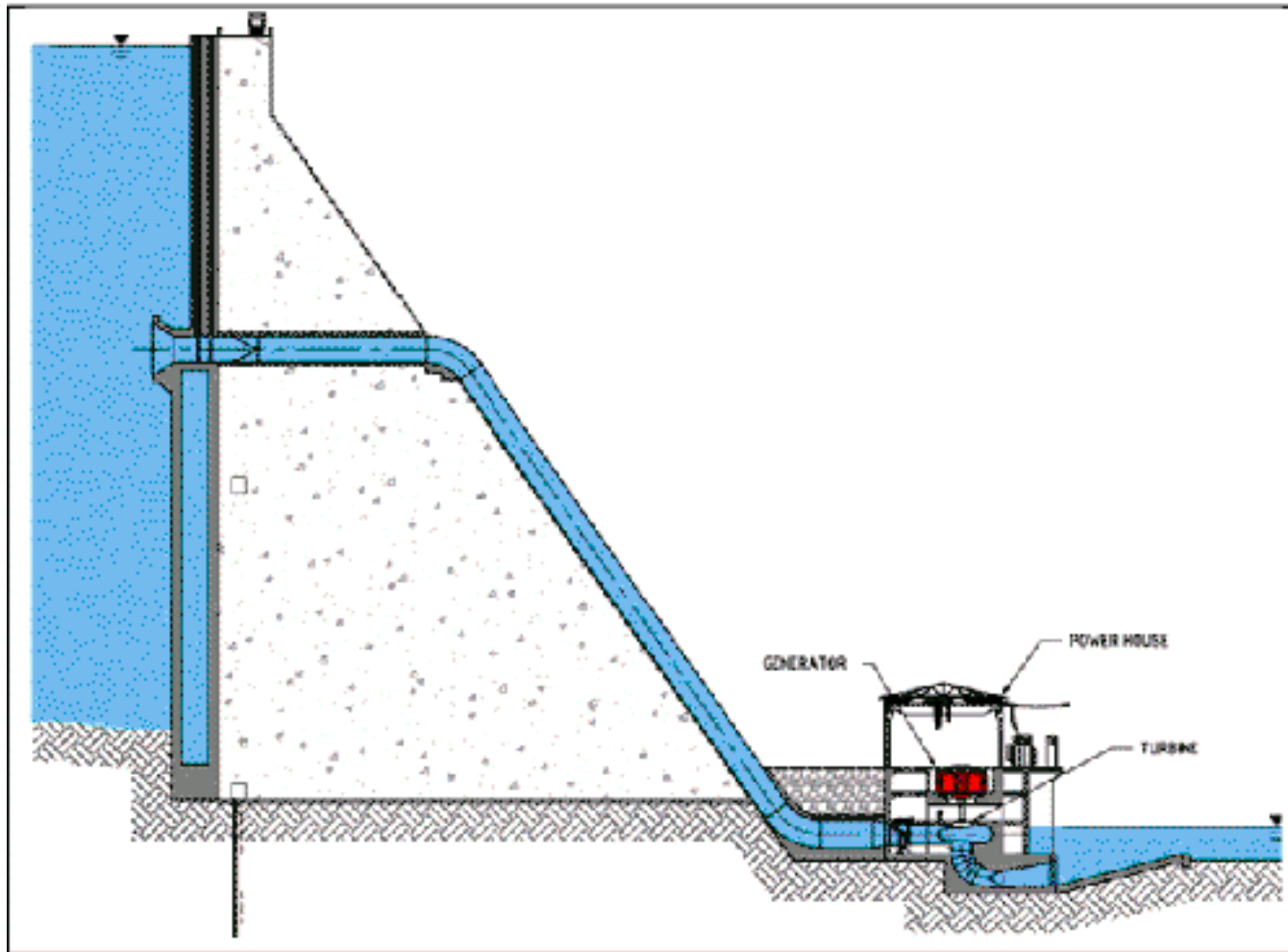
# DESALINATION PLANT



Effluent Stream

BWA Reservoir

# HYDRO-ELECTRIC PLANT

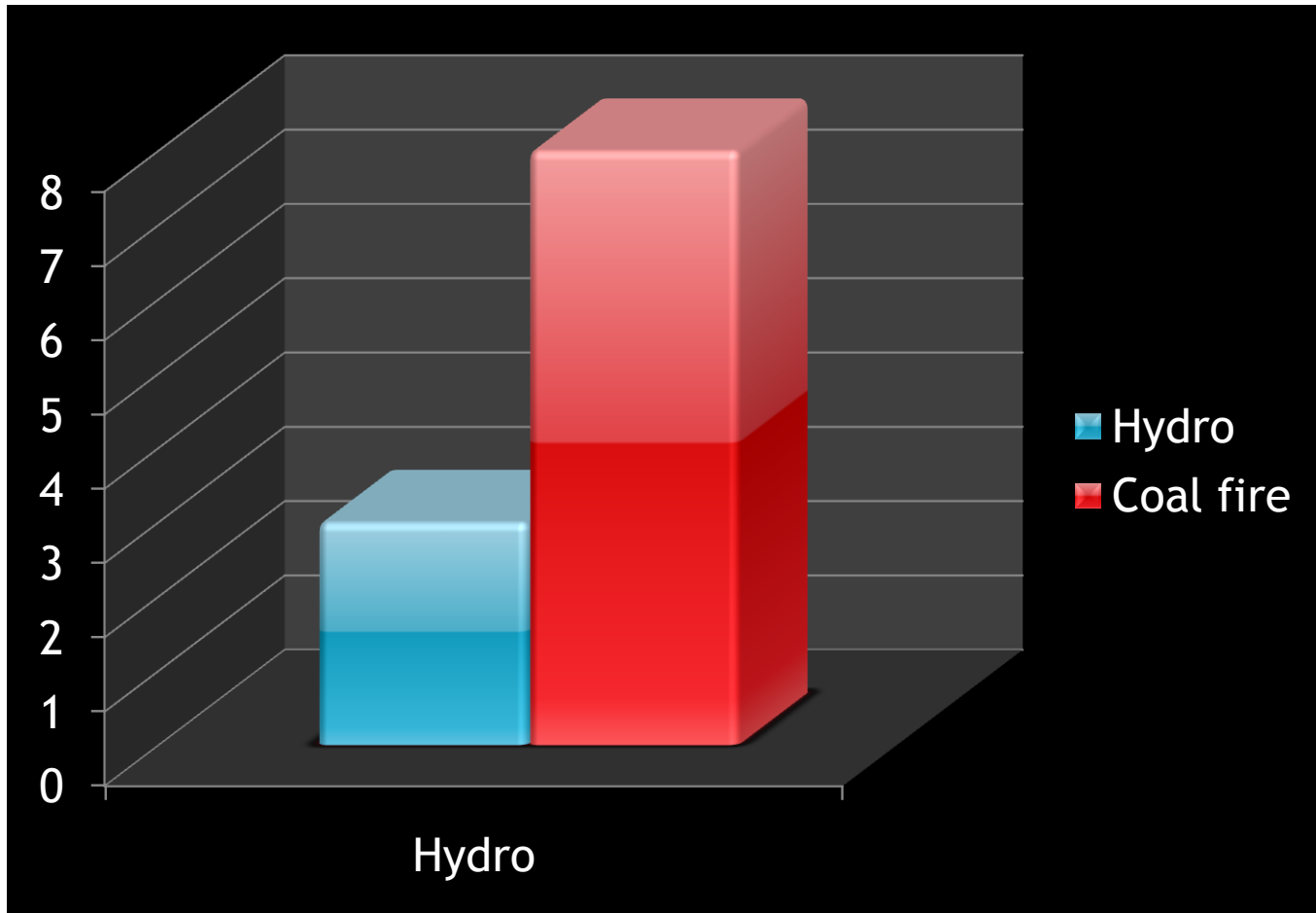


# COST

- ◎ This idea may cost more than a new coal fire plant but it would be much better for the environment and be more productive.
- ◎ Cost on maintenance wouldn't cost much more than maintaining an underwater tunnel.



# COSTS OF POWER PLANTS



THANKYOU

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