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Recycled Water - The new Water Supply and How New Technologies Can Increase Efficiencies

Unless the balance between demand and finite supplies is restored, the world will face a catastrophic severe global water deficit. We are seeing it in California, Texas & around the globe 2 million are dying every year from lack of safe drinking water.

Our planet does contain over a billion trillion liters of water. But very little of that is safe to drink.

Over 97% of water on Earth is salt water. Of the fresh water that remains, over two thirds is locked away in ice caps and glaciers. Most of the rest is trapped in soil or underground aquifers. That leaves a tiny fraction available for us to use.

And it isn't just drinking water that we need. Almost everything we do involves water in some way.

Now is the time to tap into our existing water resources, which are wasted continuously, to provide reliable high-quality potable and recycled water supplies to our communities.

Water recycling provides such an opportunity, if in fact is wisely and effectively processed, water can be used for direct or indirect reuse.

In California alone, there is considerable quantity of highly treated municipal water, and numerous sources of industrial water, which are discharged to the ocean or waterways, after treatment. These sources are available for reuse.

A significant portion of water discharged to the ocean for example, can be utilized to create portable suppliers. It is estimated that in California alone, more than 2,300 M gal/day, maybe available from such
However, the commonly used water treatment/recycling technologies are very ineffective and only yield about 50% of this amount for reuse.

Many people believe desalination will solve our problems of water shortage. Considering the waste and the resource destruction that is caused by Desal, it can become a very unattractive option for humanity at the end of the day. The use of Desal kills the life in our oceans & the salt that is removed becomes waste & is not reusable thus impacting other resources and thus the problem further expands; instead of being a viable solution as it has been perceived.

Historically, conventional and membrane technologies have been accepted by many local, regional and national agencies as acceptable treatment technologies. However, the way in which these systems are utilized does not yield the results Exergy provides.

Exergy is interested to change the landscape of water technologies being offered for recycling, by bringing to market, new and improved water technologies that are not only much more efficient, but deliver better and higher quality of water for reuse.

Exergy's approach is unique in not just the manner by which we use technologies, but also the combination of such technologies to improve efficiencies and deliver higher quality results for reuse.

Isn't it time we stop using archaic methods that are slowly killing our planet & use a proven technology that works and are more effective?

For More information, please contact:

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