



ONE MILLION WELLS

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Our NGO, One Million Wells is a winner of the 2018 Patents for Humanity Award for our invention of a novel method of drilling boreholes / water wells.

Today, enough water empties from earth's rivers into our oceans to quench the thirst of a population 900 times greater than we currently have. And that is after considering all the current population, industry, agriculture and other uses that we currently have. [Rivers of the world 1 2022.xlsx](#) The rivers are part of our water cycle that both feeds into our alluvial plains and are fed by our alluvial plains.

If mankind simply drills into existing alluvial plains and captures the water that is there, we can resolve the water problems within the SDG6 time limit. [This is verified by the fact that there is far more water available than will be needed.](#)

All humans and animals instinctively move to available water.

We can set up new "Water Neighborhoods" in areas where alluvial plains are abundant.

<https://1drv.ms/v/s!AglCyzMf1rklgqN7UEeWggn3n3lnfg?e=CfpVXX>

Water Neighborhoods extract water from alluvial plains, via wells drilled with solar drills, pumped with solar pumps, through solar powered irrigation systems. Then for residential use, when the wells are not being used for irrigation, the water can be used for residential and industrial use. We can build schools, factories, and all the amenities that people expect. Water is then recycled with treatment plants, stored in aquifers and detention ponds and infiltration ponds. It can then be re-injected in locations downstream from the extraction wells. The result is a complete circular water system.

We can do all this while we continue to drill where we currently drill. We can do this now. There is no need to stop using other methods of drilling.

One Million Wells' technology makes all this possible at a minimal cost because our invention uses the most sustainable system of drilling water wells

Using our method that is already producing at an exponential rate, we can install enough wells for over one billion people in a 5-year work span. This is possible because our drill will operate exclusively in alluvial plains and similar areas. Using reverse flow air lift drilling in such areas is nearly always successful in producing wells

capable of discharge rates in excess of 200 liters per minute.

We are not a well drilling NGO; we are an educational and training organization. We train drillers by first having a classroom session followed by in field training for drilling boreholes. Our training in India and globally has been mostly field training. We train groups in multiples of 3 drillers at a time and usually complete at least 3 wells per group. In India, we have drilled over 300 wells and have trained at least 300 drillers. Globally we have trained over 540 people. Each of the trained drillers can form a team and train drillers with each well they drill. This leads to an exponentially advanced number of drillers. That is how we anticipate having enough water within 5 years to support 1 billion people.

Our total number of wells drilled using the data in our spreadsheet would be **VASTLY** over 1B. Each well would produce 200 lpm @ 10 hrs./day. A single person only requires 25 liters per day.

[1 billion wells drilled.xlsx](#)

As you can see, the potential of water production by the drill is far greater than any foreseeable need in the future. By using our Water Neighborhoods, one would be able to re-inject a fraction of the water into the existing aquifer, thus assisting in recharging the aquifer. With the detention ponds, infiltration ponds and sanitary recycling along with rainfall the system could furnish more water to the aquifer than it had previously received by natural rainfall.

Manufacture of our drill can be done in any country because it only requires steel tubing, pipe nipples, hoses and an air compressor. And the air compressor is the size of locally available automotive compressors. Here is an air volume calculation sheet. [Air Lift pump IR Calculator REV 9 20 2021.xlsx](#)

We also have online calculators and troubleshooting forms as well.

Thanks for your time.