

Drinking water is produced today on a commercial basis from dehumidification (atmospheric water generation)



The current products just need too much energy!

T (°C)	RH=20%	RH=40%	RH=60%	RH=80%
0	7.649	2.331	0.964	0.378
5	5.594	1.725	0.716	0.301
10	4.144	1.298	0.554	0.247
15	3.115	0.995	0.439	0.209
20	2.371	0.776	0.356	0.181
25	1.847	0.621	0.297	0.162
30	1.429	0.498	0.250	0.146
35	1.189	0.427	0.224	0.138
40	1.034	0.382	0.206	0.132

kWh to produce a liter of water by Temperature vs Relative Humidity

New patents are demonstrating significant efficiency improvements in energy consumption.

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T (°C)	RH=20%	RH=40%	RH=60%	RH=80%
0	379%	389%	257%	100%
5	565%	499%	295%	113%
10	762%	554%	291%	107%
15	920%	542%	259%	93%
20	988%	481%	215%	76%
25	957%	405%	174%	61%
30	847%	324%	136%	48%
35	743%	270%	113%	40%
40	658%	233%	97%	34%

Transform Water and Power (TWP) in association with the Department of Water Resources, Scripps Institution of Oceanography, other water agencies and foundations proposes a dedicated and multi-year investigation into the production and distribution of atmospheric-derived drinking water *at the community level* from water districts like the Borrego Water District.

Today, TWP (Lane Sharman) is asking for a letter of support from the BWD.



Transform Water & Power



BILL & MELINDA GATES foundation