

Hypersonic Pulse Detonation Pump

the most efficient water pump in the world...by far.

- Operates without an electric motor
- More than **50% energy savings...**

U.S. Energy Consumption for Moving Water (EIA, 2014)					Hypersonic Pulse Detonation Pump	
293,071,000,000 kWh per Quad	Energy Used Quads	% Used for Pumping	kWh used for Pumping	\$0.07 Avg. Cost / kWh	Energy Savings / Yr:	50%
Public Water Supply	0.30	80%	70,337,040,000	\$4,923,592,800	\$2,461,796,400	
Wastewater Treatment	0.21	15%	9,231,736,500	\$646,221,555	\$323,110,778	
					Combined Annual Energy Savings:	\$2,784,907,178
Total energy consumption for 2010 in the U.S. was 98 quadrillion BTUs (EPA, 2012)						
Approximately 2% of the total electric output was used to move water						
Of that amount .51 Quads was used for both Municipal Water Delivery and Wastewater Treatment						