



# DYNAMIC HYDROLOGICS™ FROM PERPETUAL WATER LLC



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# INNOVATIVE VAPORIZATION AND PURIFICATION TECHNOLOGY

## OBJECTIVE

After 14 years of development, our innovative process for low energy evaporation and condensation is ready for commercialization. Perpetual Water's patented (BSV) vaporization technology changes the energy intensive thermal process of vaporization into mechanical action and **reduces energy usage by 95%**. We are seeking funding, partnership and licensing opportunities.

## THE TEAM

**Dick Burton, CEO & Co-Inventor**  
**Sam Burton, Electrical Engineer & Co-Inventor**  
**Thomas Robb CSO, PhD**  
**Kirk A Spikes**  
**Kyle T. Spikes, PhD**  
**Peter Bartig**

## THE TECHNOLOGY

- Proprietary, patented process
- Test results show 95% reduction in energy per pound of water versus steam distillation
- Condensing vapors back into liquid yields water with the same purity as distilled water
- Commercial scale operations require significantly less capital expenditure than steam distillation or reverse osmosis systems
- Systems require fewer components and will be extremely rugged
- Most components will be "off the shelf" and readily available
- Operational expenditure values will be only slightly above cost of pumping water
- Only 60 BTUs required to vaporize 1 pound of water

## COMMERCIAL APPLICATIONS

- Desalination of sea water
- Purification of brackish water
- Purification of produced water (extremely high total dissolved solid water) from oil and gas industries
- Municipal waste water systems
- Municipal potable water systems
- Livestock waste water
- Mine waste water reclamation
- Other industrial applications where low cost, reliable water purification is desired