

**Technology Provider:**

**CRIPTONIC ENERGY SOLUTIONS, INC.**

2843 Orange Grove  
Waterford, MI 48329 USA

[www.criptonicenergy.com/home](http://www.criptonicenergy.com/home)

Elmer L Roller, Esq.  
Agent  
248-755-6100

**Innovation:** A patented low-head-hydro solution that utilizes sewerage flow as an energy source to operate hybrid turbines. The turbines drive electric generators to make electricity. This process can operate at up to 90% efficiency without impact to the interceptor system or environment.

Typically flow is diverted, screened, passed through the turbine and then, both the flow and screened waste is reintroduced to the original interceptor flow.



**Demonstration:** CripTonic Energy Solutions has agreed to work with H<sub>2</sub>O Opportunities to demonstrate and validate this technology within an existing high volume wastewater interceptor lift station, owned and operated by the Water Resource Commissioner of Oakland County Michigan. [www.oakgov.com/water](http://www.oakgov.com/water)

**Source of Funding to Date:** Primarily venture capital, although depending on final determination of a demonstration site, State of Michigan S-2 grant funding may be available to pay for a portion of the engineering design of this demonstration project.

**Consistent with H<sub>2</sub>Opps Business Model:** H<sub>2</sub>O Opportunities [www.h2opp.com](http://www.h2opp.com) expects to assist with demonstration, validation, permitting and business planning in an accelerated exit to the municipal market.

**Jobs Creation Potential:** This technology project presents a tremendous economic growth opportunity due to the technology's ability to turn a waste stream into an energy source. This technology has the potential to completely change the economics of wastewater treatment. This technology is applicable to a very large number of municipalities and industries across Michigan and the country. Well paid, skilled job creation in a nationwide network of classifications including engineering, marketing, manufacturing, installation, operation and maintenance.