



ECO SQUARED SOLUTIONS, INC.™  
WHERE EUREKA MOMENTS BECOME REALITY

## Variable Response – Mobile - Hi-Volume - Unitized Frack Water Recycling & Treatment Technologies



### “Fracking Bonanza Eludes Wastewater Recycling....

...treating and recycling the 21 billion barrels of wastewater flowing annually from U.S. oil and natural gas wells - particularly from shale.... is a tougher slog than many expected. Geology and water chemistry vary so much by location that no one has devised a cheap, one-size-fits-all technology to convince most producers to recycle.” - *Bloomberg Nov. 25, 2013*

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Patent Pending Technology:

*Unitized Single-Pass System™*



Eco Squared Solutions, Inc. (ESSI) patent pending system services oil field operators using a multi-process system that is configurable in high volumes to consistently treat a wide variety of water contamination resulting from fracking.

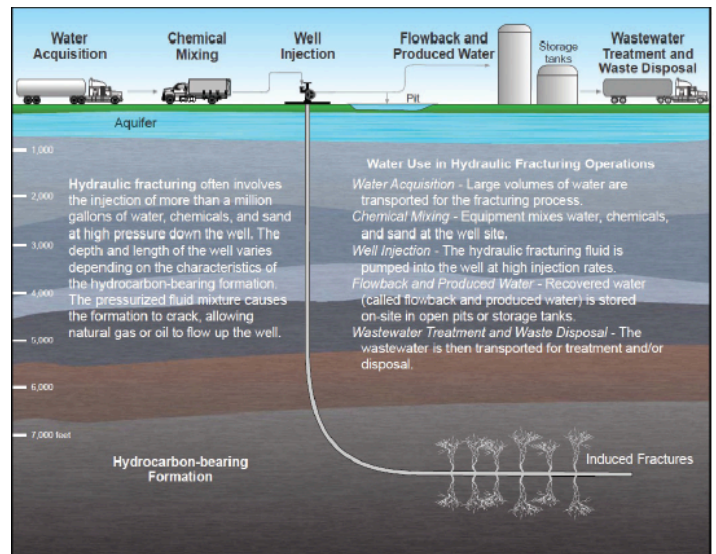
Eco Squared Solutions, Inc. (ESSI) has invested more than a decade researching, developing and testing various water treatment processes. In 2013, ESSI successfully built and field tested a beta version of its USS and subsequently started the patent process.

Through its subsidiary company, Eco Frack, Inc. this technology is being prepared for large-scale deployment in domestic oil fields. ESSI has been able to succeed where so many other attempts to recycle frack waste water have failed because of the USS's ability to balance high volume flow using sequential processing capabilities that most importantly, adjust in real-time to the constantly varying chemical characteristics of the effluent. The result is a balanced flow of treated, clean and reusable water that meets drillers' and environmental standards for reusability as frack water. The implications may soon become requirements:

1. Reduced fresh water requirements
2. Decreased fresh and waste water logistics costs
3. Decreased waste water disposal costs
4. Simplified well site operating logistics
5. Reduced environmental and insurance exposure
6. Improved public image for fracking

ESSI markets and deploys its water treatment system, USS<sup>TM</sup> through its subsidiary company.

The largest hurdle in developing mobile system is being able to adjust the processing requirements for the infeed water based on constantly changing chemical characteristics. Reduction to specified and acceptable levels of sludge, hydrocarbons, salts and other totally dissolved solids (TDS) as well as the fracking chemicals is a constantly moving target requiring coordinated and interdependent processes that treat and remove even some of the smallest particles.



ESSI's systems are containerized and trailer mounted for easy and frequent relocation. They are also self contained and ready for 4-season operation.

This summer 2014, ESSI will be conducting trial demonstrations in Burly, ID for drillers and oil field operators interested in this service. ESSI owns and operates the equipment providing water treatment services for a fee that represents a significant savings over current water acquisition and disposal costs.

**Please contact ESSI for further information.**