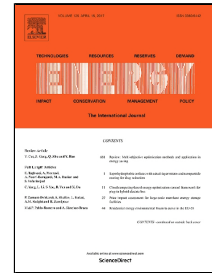


# Accepted Manuscript

## Techno-Economic Analysis of Hydraulic Fracking Flowback and Produced Water Treatment in Supercritical Water Reactor

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## Highlights

- Techno-economic analysis of the Integrated Precipitative Supercritical System
- IPSC remediates flowback and produced water from hydraulic fracturing
- The “most-likely” final cost per barrel was 6.33 \$/bbl of water treated
- Sensitivity analyses indicated a possible range from \$2.93/bbl to \$ 16.03/bbl
- IPSC process cost less volatile than other treatment options

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