



chevron tech challenge

produced water – unlocking a valuable natural resource

human energy®



the produced water chevron tech challenge

Chevron is working with the U.S. Department of Energy to find step-change solutions that can significantly decrease produced water management costs through reduction or elimination of waste streams.

what we're looking for

A step change in technology

Chevron recognizes the value of water as a fundamental societal, environmental and economic resource. In areas like the Permian Basin, we work to reuse and recycle water that is co-produced with oil and gas where feasible. The balance of produced water is safely disposed through subsurface injection.

We are looking for a comprehensive solution that includes treatment, transport and final disposition. We envision the best candidates will build, own and operate a full-service solution that addresses the logistical, technical, regulatory and commercial challenges associated with produced water management. Solutions should target delivery of water management services at prices in the range of \$0.40–\$0.75 per barrel.

Your proposal and our criteria

Our team will review all proposals based on criteria that include per-barrel cost and reduction of waste streams. Other considerations include modular/flexible technology design as well as the ability to accommodate variable volume and allow for recycling as needed.



what we're offering

Opportunity and reward

We are offering the opportunity to display your creative skills to solve a challenging industry problem.

A limited number of semifinalists will be invited to present to and receive feedback from our panel of experts.

Up to three finalists will be selected; each finalist will: (i) receive a \$25,000 cash prize; (ii) be considered to participate in a potential field trial at a Chevron facility and (iii) be considered for participation in the CTV Catalyst Program and/or to receive an equity investment.

about the chevron tech challenge

As a global energy company, Chevron is committed to achieving differentiated performance through innovation. The Chevron Tech Challenge program is focused on identifying breakthrough technologies that can address business needs and further Chevron's commitment to providing safe, affordable, reliable and ever-cleaner energy.

The Chevron Tech Challenge program is administered by Chevron Technology Ventures (CTV), which pursues innovative business solutions and externally developed emerging technologies that have the potential to improve Chevron's base business operations. CTV identifies, assesses, and champions the deployment and adoption of proven technologies across the enterprise.

disclaimer

Any information or material submitted to Chevron will be treated as non-confidential. Any information submitted that is marked confidential will not be considered or reviewed and Chevron does not undertake any responsibility for

Registration opens:	July 10
Registrants receive design specs, Q/A clarification:	July–September
Submission deadline:	September 30
Semifinalists announced:	October
Individual pitch session:	October–November
Winners announced:	January 2019

returning such confidential information or maintaining its alleged confidentiality.

Solution providers will own or currently have the right to use the intellectual property for the offered technology and will assume responsibility for any permit requirements for the proposed solution.

Information submitted will be used for evaluation purposes only and will not be shared with anyone outside Chevron and the U.S. Department of Energy. Submissions must comply with all applicable laws, including but not limited to, export control laws.

The decision to conduct a field trial will be at Chevron's sole discretion.

For more information about Chevron's Tech Challenge program, visit <http://chevron.com/techchallenge> or contact us at techchallenge@chevron.com.