

**Bakken Water Opportunities Assessment**  
**Contract No. G-018-036**

This is a project submitted by the Energy & Environmental Research Center with Daniel J. Stepan serving as the Principal Investigator. The purpose of the project is to investigate the recycling of water flowed-back after Bakken fracture stimulation. The project, with a duration of 12 months, has the following two phases under the Northern Great Plains Water Consortium Program:

- Phase I: Assess the technical and economic potential of recycling frac flowback water
- Phase II: Field demonstration of mobile frac flowback water recycling technology.

The total project costs are Phase I - \$60,000; \$25,000 funded by the Industrial Commission/Oil and Gas Research Fund; Phase II - \$170,000; \$85,000 funded by the Industrial Commission/Oil and Gas Research Fund. Funding for Phase II will not be released until successful completion of Phase I and there has been commitment of industry match funding for Phase II.