Sustainable Clean Water and Energy

Regional Ground Water Modeling
- Evaluate quality of data from monitoring wells throughout Fort Leonard Wood
- Identifying empirical variogram and kriging parameters to improve interpolation
- Develop regional ground water model

Clean Water Development
- Develop a pressurized, in-line treatment system for microbial removal of drinking water using ceramic disk technology
- Developing a trough-based system using sunlight for removal of low-level microbial contaminants in developing countries

Renewable Energy Research
- Characterizing battery technologies for microgrid-system optimization

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Recognitions
- Member, American Society of Engineers (ASCE) Environmental & Water Resources Institute (EWRI)
- University of Missouri Faculty Scholars