

| Oil & Gas Research Program- Grant Round 50- Application Summaries |                                                                                                     |                                               |                  |                                                                                                                                                                                                                                                                          |                   |                    |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|
| Application Number                                                | Application Title                                                                                   | Applicant                                     | Project Duration | Summary of Project                                                                                                                                                                                                                                                       | Funding Requested | Total Project Cost |
| G-50-C                                                            | Study to Determine the Feasibility of Developing Salt Caverns for Hydrocarbon Storage in Western ND | ATCO Energy Solutions Ltd.                    | 18-24 Months     | This project will evaluate the feasibility of developing salt caverns in western North Dakota for hydrocarbon storage to support future petrochemical development.                                                                                                       | \$1,047,500       | \$2,095,000        |
| G-50-E                                                            | Improving EOR Performance Through Data Analytics and Next-Generation Controllable Completions       | Energy & Environmental Research Center (EERC) | 5 Years          | This project will field-test intelligent well completion technology and active control systems to improve carbon dioxide (CO <sub>2</sub> ) enhanced oil recovery (EOR) efficiency and increase oil production in North Dakota.                                          | \$500,000         | \$10,000,000       |
| G-50-F                                                            | PCOR Initiative to Accelerate CCUS Deployment                                                       | Energy & Environmental Research Center (EERC) | 5 Years          | This project will support the development of carbon capture, utilization, and storage (CCUS) infrastructure by evaluating technical, economic, and regional challenges, advancing data sharing, and promoting deployment across North Dakota and the surrounding region. | \$6,254,617       | \$2,000,000        |
| G-50-G                                                            | Weather Information System to Effectively Reduce Oilfield Days and Disruption (Wise Roads)          | Western Dakota Energy Association             | 24 Months        | This project will deploy a network of weather stations in North Dakota's oil-producing counties to provide real-time weather data that will help improve road restriction decisions and reduce unnecessary disruptions to oilfield transportation.                       | \$60,000          | \$125,000          |