

| Lignite Research Program- Grant Round 71- Application Summaries |                                                                                 |                                               |                  |                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                    |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|
| Application Number                                              | Application Title                                                               | Applicant                                     | Project Duration | Summary of Project                                                                                                                                                                                                                                                                                                                                                                                         | Funding Requested | Total Project Cost |
| LRC-71-A                                                        | Field Evaluation of Novel Approach for Obtaining Metal Emission Data            | Energy & Environmental Research Center (EERC) | 12 Months        | Evaluate a new, lower-cost method for measuring metal and halogen emissions from North Dakota lignite-fired power plants. The research aims to help utilities comply with EPA emission regulations by developing more efficient and reliable alternative to current testing methods while providing data to support pollution reduction strategies.                                                        | \$235,120         | \$573,000          |
| LRC-71-B                                                        | Water Recovery from Lignite Drying                                              | Energy & Environmental Research Center (EERC) | 18 Months        | To recover and reuse water released during the drying of North Dakota lignite coal. By demonstrating water recover technology at a coal processing facility, the project seeks to create new economic opportunities for lignite, improve water sustainability, and provide an additional high-quality water source in regions with limited water supplies.                                                 | \$266,520         | \$897,335          |
| LRC-71-C                                                        | Annual Lignite Energy Council Education Seminar-Energy, Economics & Environment | Lignite Energy Council                        | 2 Years          | To support the Lignite Energy Council's Teacher Education Seminar, an annual program that educates teachers about North Dakota's lignite industry, energy production, and career opportunities. Through presentations, facility tours, and hands-on learning, the seminar aims to increase public awareness, support workforce development, and encourage students to pursue careers in the energy sector. | \$160,000         | \$320,000          |