

Arlington, Virginia – October 26, 2022 -- **Advanced Resources International Inc. (ARI) announces a partnership with KeyState Natural Gas Synthesis.**

KeyState Natural Gas Synthesis is a joint endeavor between KeyState Energy (Project Developer) and Frontier Natural Resources Inc. in partnership with OGCI, Climate Investments. The KeyState project aims to be the first carbon capture and storage program in Pennsylvania, eventually capable of storing over 300,000 tons of CO<sub>2</sub> per year. This project will combine natural gas and methane production with subsequent carbon separation and underground storage on a 7,000-acre site located in West Keating Township, Clinton County. This vertically integrated process will lessen transportation costs of products while reducing CO<sub>2</sub> and methane emissions throughout the lifetime of the project.

ARI is responsible for completing the pre-feasibility geologic characterization for this project and determining the optimal sequestration reservoir(s) and well field design needed to accomplish the storage goal. KeyState plans to produce natural gas and methane from the Middle Devonian Marcellus Formation and store the separated CO<sub>2</sub> in the Lower Devonian Oriskany Sandstone and other prospective storage zones. ARI will conduct detailed geological analysis and numerical modelling of the storage reservoirs to determine reservoir characteristics and understand how the CO<sub>2</sub> plume and associated pressure front will interact and move in the subsurface.

KeyState Energy, President, Perry Babb says, 'For decades, ARI has been an industry leader in the characterization of geology for CO<sub>2</sub> storage potential, KeyState is fortunate to have ARI leading our carbon sequestration effort.'

#### **About ARI**

ARI, headquartered in Arlington, VA, with offices in Knoxville, TN, and Columbus, OH, is an international consulting, research and development firm providing services related to carbon capture, utilization, and storage (CCUS), unconventional gas (gas shales, coalbed methane and tight sands), and enhanced oil recovery (EOR). ARI contact for this project is David Riestenberg ([driestenberg@adv-res.com](mailto:driestenberg@adv-res.com))

#### **About KeyState Natural Gas Synthesis**

KeyState – Pennsylvania, *KeyState Natural Gas Synthesis* is a joint endeavor between KeyState Energy (Project Developer) and Frontier Natural Resources Inc. (Natural Gas & Geological Storage) in partnership with OGCI Climate Investments. KSNGS will produce low- carbon hydrogen, automotive grade urea (DEF) and ammonia from natural gas while integrating carbon capture and storage in a closed carbon loop in its 7,000-acre site in northern Pennsylvania. KSNGS will create hundreds of construction and long-term, high-value jobs, hundreds of millions of dollars of annual local economic activity and release a new industry for rural Appalachia. ([www.KeyState.net](http://www.KeyState.net))