

Carbon Capture and Storage: A Techno-Economic Perspective

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Carbon capture and storage is a key for clean electricity objectives and for dealing with the high carbon footprint of the marginal barrel of oil. To date, the uncertainty regarding the technical and economic viability has delayed investment in clean coal and like initiatives.

Carbon capture and storage (sequestration) consists of capture, transportation to a storage site, and storage. Of these, capture is considered the most technically challenging, especially from existing power and industrial plants, and also the highest cost component by far. The viability of long term storage of carbon dioxide

at multiple generating sites has been questioned, as also the practicality of transport to known storage locations. The speakers today will cover new research in both these areas.

Presentations today include:

- Overview of Carbon Dioxide Capture, Raghubir Gupta, PhD, RTI International
- Techno-Economics of Transport and Storage, Lincoln Pratson, PhD, Duke University

