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# Archived Factsheets

Below is a list of factsheets that have been archived for various reasons. If you are interested in learning more about any of these projects/areas, please contact us at ei-questions@ems.psu.edu [1] and we will send you a .pdf of the requested document.

## Archived Core Research Area Factsheets

- Transportation

## Archived Project Factsheets

- Active Carbonation: A Novel Concept for $CO_2$ Sequestration
- Advanced Thermally Stable Jet Fuels
- $CO_2$ Molecular Basket as High-Capacity Absorbent for $CO_2$ Capture from Flue Gas of Fossil Fuels-Based Electric Power Plants
- CuCl Electrolyzer for Hydrogen Production in Cu-Cl Thermochemical Cycle
- Development of Activated Carbons from Coal Combustion By-products
- DME Shuttle Bus Demonstration
- Evaluation of Ultra Clean Fuels from Natural Gas
- Greenhouse Gas Capture Using Coal By-products
- Limestone Use in Wet Flue Gas Desulfurization
- Optimizing Anode Performance Using Image Analysis Techniques
- Sonication Technology for Oil Well Stimulation
- Sorbent Performance in Fluidized-Bed Combustors
- Solid Oxide Fuel Cells Operating on Heavy Hydrocarbon Fuels
- Electrochemical Corrosion in High Temperature Sub- & Supercritical Water
- High-Temperature Nanoelectrophoresis of Oxide Materials
- Hydrothermal Deposition of $ZrO_2$ for Corrosion Mitigation in Boiling Water Reactors
- Inorganic/Polymer Composite Materials for High Temperature PEM Fuel Cells
- Development of High Temperature Proton Exchange Membrane Fuel Cells
- Electrochemical Corrosion Measurements in Supercritical $CO_2$ Environments
- Experimental Modeling of Phase Equilibria in $CO_2$-Brine-Rock Systems
- Functionalized Inorganics and Composites for High Temperature Fuel and Electrolytic Cells
- High Pressure Jet Condensation Heat Transfer Experimental Studies
- High Temperature Electrophoresis of Micro- and Nano-Particles

- Selective Absorption for Removing Sulfur for Making Ultra-Clean Transportation Fuels & for Fuel Cell Applications
- Solid Oxide Fuel Cells - Alternative Fuels - Novel Anode Materials

## Archived Facilities Factsheets

- Activated Carbon Facility
- Demonstration Boiler Facility
- Diesel Combustions and Emissions Laboratory

## Archived Focus Area Factsheets

- Clean-Fuels & Catalysts Program
- Emissions Characterization & Control During Stationary Combustion
- Fuel Flexibility for Industrial Boilers
- Integrated Fuel Processing for Low- & High-Temperature Fuel Cells
- Penn State?s Coal-Water Slurry Fuel Program
- Trace Elements Emitted During Stationary Combustion
- Utilizing Animal-Tissue Biomass in Coal-Fired Boilers
- Utilizing of Biomass in Boilers

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