



Energy Research and Development Division

Research Opportunities for Application of Carbon Capture Technologies to California Natural Gas Power Plants

Staff Workshop
April 16, 2015
Art Rosenfeld Hearing Room



Agenda

Time	Item	
10:00 a.m.	WELCOME & INTRODUCTION	Mike Gravely, California Energy Commission
	WESTCARB NGCC-CCS Engineering-Economic Evaluation Study Review (Post-Combustion Advanced Amine Capture) <ul style="list-style-type: none"> • CO₂ Capture Technology Screening • Design Parameters • Cost and Performance Impacts • Pathways for a Pilot-Scale Demonstration • Study Q&A 	CB&I Speaker Team
	EPRI NGCC-CCS Engineering-Economic Evaluation Review (Post-Combustion Advanced Amine Capture)	Des Dillon, EPRI
	U.S. Department of Energy, Office of Fossil Energy, CO₂ Capture Program	John Litynski, DOE
	International Activities on NGCC-CCS	Elizabeth Burton, Global CCS Institute
12:30 p.m. – 1:30 p.m.	LUNCH	



CALIFORNIA ENERGY COMMISSION

	<p>Types of Emerging CO₂ Capture Technologies</p> <p>Mixed-Salt Technology for CO₂ Capture from Power Plants</p> <p>Membrane-Based CO₂ Capture System with Selective Exhaust Gas Recirculation</p> <p>Post-Combustion CO₂ Capture using PEEK Hollow Fiber Membrane Contactor Process</p> <p>NET Power’s Supercritical CO₂ Brayton Cycle Power Plant with No Air Emissions</p>	<p>Brice Freeman, Membrane Technology Research, Inc.</p> <p>Indira Jayaweera, SRI International</p> <p>Tim Merkel, Brice Freeman, Membrane Technology Research, Inc. Shiguang Li, GTI</p> <p>Brock Forrest, NET Power</p>
	<p>Open Discussion and Presentations from attendees on emerging CO₂ capture technologies that are not on the agenda</p> <p>(Note: anyone desiring to provide a presentation must contact Bryan Lee at (916) 327-1414 or by email at Bryan.Lee@energy.ca.gov by noon April 15, 2015 to be added to the agenda in this time period)</p>	<p>All Participants</p>
	<p>Options for Future Research Efforts with CEC and CO₂ Capture Technology Providers</p>	<p>Mike Gravely, California Energy Commission</p>
4:30 p.m.	<p>CLOSING</p> <ul style="list-style-type: none"> Next Steps and Closing Remarks 	<p>Mike Gravely, California Energy Commission</p>



Lunch BREAK



Submitting Written Comments

- Written comments can be submitted by 5:00 p.m. on April 30, 2015.
- The Energy Commission welcomes comments by e-mail. Please include your name and organization name. Comments should be in a downloadable, searchable format such as Microsoft® Word (.doc) or Adobe® Acrobat® (.pdf). Please indicate “Research Opportunities in Carbon Capture and Utilization in California” in the subject line. Send comments to: bryan.lee@energy.ca.gov.
- Comments and workshop materials are posted at:
<http://www.energy.ca.gov/research/notices/index.html#04162015>
- Thank you for your participation.



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