

EPRI – DOE Workshop

Reducing Data Center Carbon Footprint with Carbon Capture and Storage

EPRI and the U.S. Department of Energy are organizing a day-and-a-half workshop on low-carbon power generation for data centers, emphasizing the role of Carbon Capture and Storage (CCS) to reduce carbon footprint. The objective of the workshop is to bring various stakeholders together to identify challenges to meet the decarbonized energy demands of data centers, particularly as it relates to fossil energy with CCS. Participants will explore requirements for data centers, viewpoints from power generators, carbon capture technology developers, CO₂ transport and storage companies, and alternative technologies. Expert-led sessions will cover the latest advancements in CCS, practical implementation strategies, and the economic and environmental benefits of adopting these technologies. Interactive discussions will provide attendees with a thorough understanding of how CCS can be effectively utilized to achieve significant carbon reductions. By the end of the workshop, participants will be equipped with a better understanding of how to implement CCS solutions in data centers.

TOPICS:

- Opening Keynotes
- Data Center Requirements and Plans
- Power Sector Status and Challenges
- Carbon Capture Technologies and Status
- CO₂ Transport and Storage Status and Opportunities
- Other viewpoints



Date: July 9-10, 2025 (1.5 days)

Location: SRI-PARC, 3333 Coyote Hill Rd.,
Palo Alto, California, 94304