

Session Title: CO₂ Utilization

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Abstract Title: A Holistic Approach to Saudi Aramco's Technology Development in CO₂ Capture, Utilization and Storage

A circular carbon economy framework for addressing the climate challenge is presented in which a more comprehensive approach needs to be considered where both new energy sources and existing sources contribute in parallel and leverage the existing infrastructure in a way that reduces net carbon emissions in a most cost effective manner. The concept of a circular carbon economy offers a new way of approaching climate goals that values all options and encourages all efforts to mitigate Green House Gas emissions. This presentation highlights some of the key R&D efforts Saudi Aramco is pursuing in the area of carbon capture, utilization and storage that paves the way for closing the carbon cycle to the maximum extent possible.