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The DOE Hydrogen and Fuel Cell Technologies Office (HFTO) carries out applied research, development, and demonstration (RD&D) of hydrogen and fuel cell technologies across multiple sectors enabling innovation, a strong domestic economy, and a clean, equitable energy future. Hydrogen presents promising decarbonization opportunities for transportation, energy storage, and large-scale industrial and chemical processes. Many larger-scale end uses will require the high energy density that liquid hydrogen offers, but the cryogenic conditions required for its delivery and storage present a number of challenges. HFTO is actively pursuing a number of RD&D efforts on liquid hydrogen infrastructure components and technologies to reduce cost and lower barriers to the increased commercialization of hydrogen technologies across several sectors. This presentation will provide an overview of HFTO's priorities and activities on liquid hydrogen.

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