DOCKETED	
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Project Title:	Natural Gas Outlook and Assessments
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Document Title:	Presentation - Bloom Energy's Vision in Decarbonization with Hydrogen
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Filer:	Raquel Kravitz
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#### Bloomenergy

#### IEPR Commissioner Workshop on Hydrogen to Support California's Clean Energy Transition

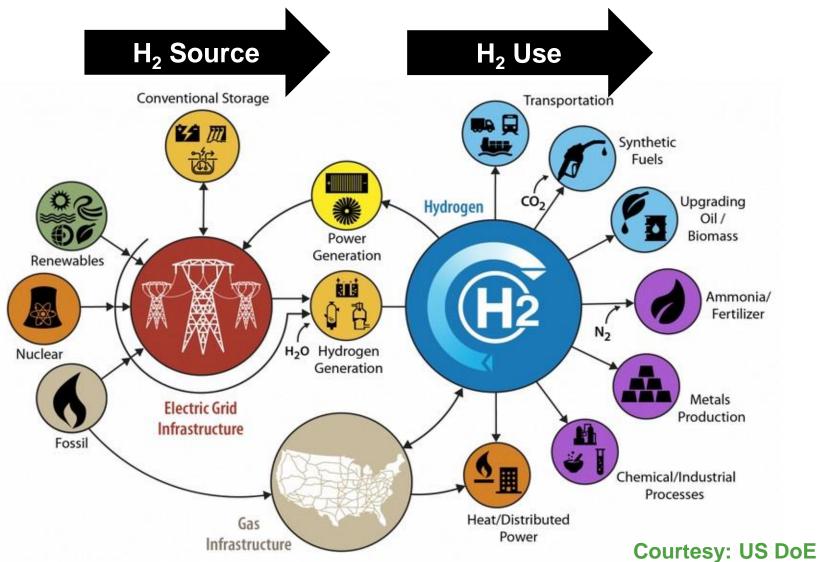
#### **Bloom Energy's Vision in Decarbonization with Hydrogen**



VENKAT VENKATARAMAN Executive Vice President of Engineering Chief Technology Officer

**July 28, 2021** 





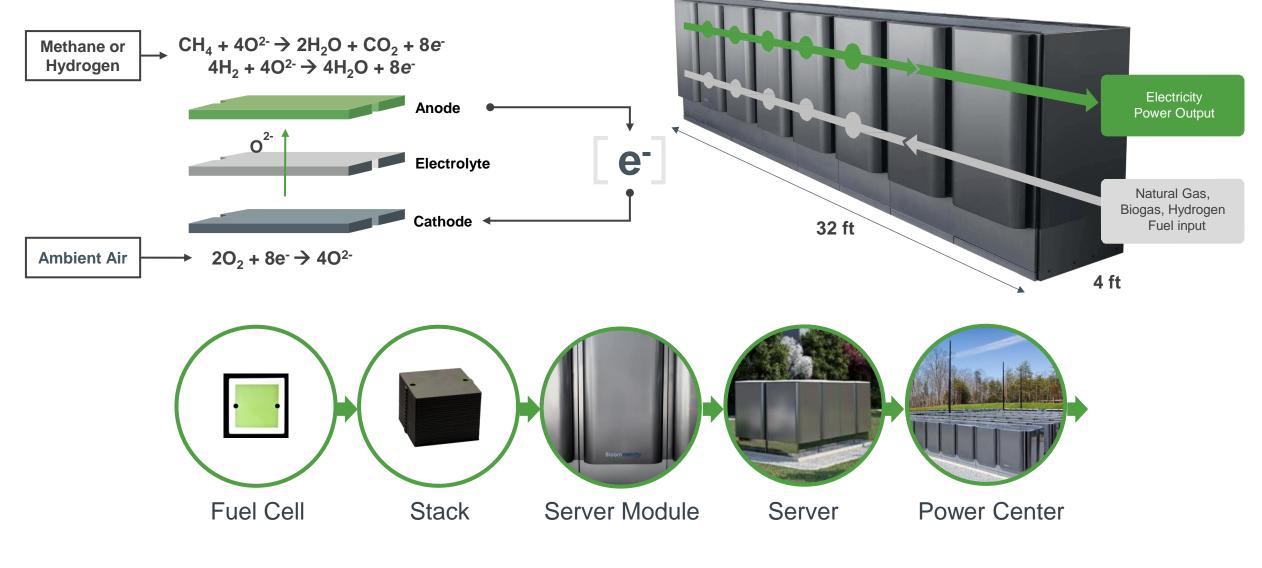
Industrial

Power Generation (CHP)

**Transportation** 

**Injection to Pipeline** 

## **FUEL CELL OVERVIEW**

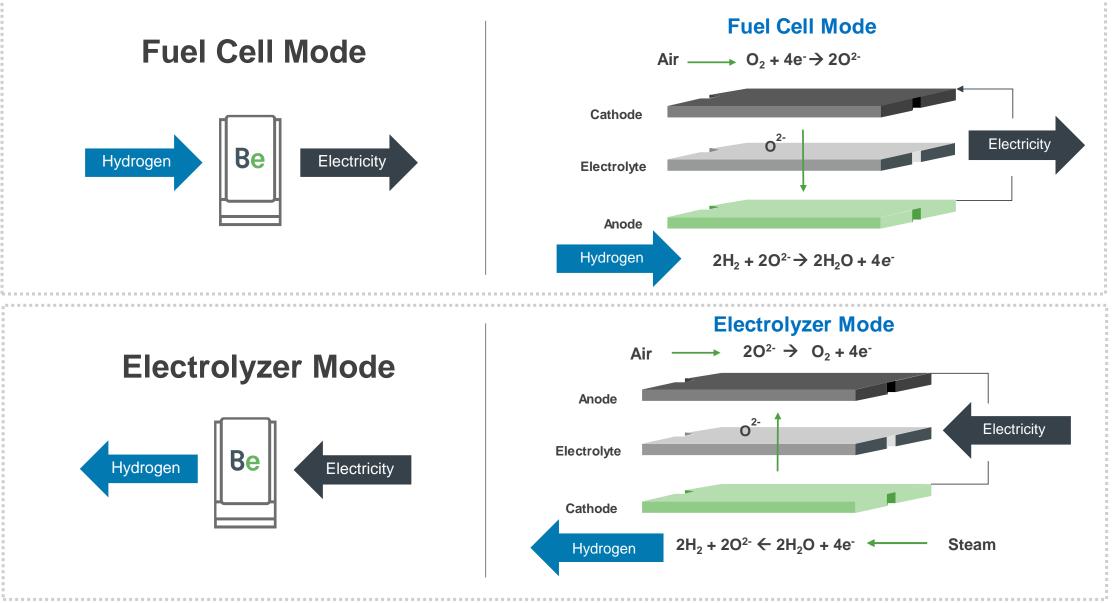


#### **CARBON FREE TOTAL SOLUTION**

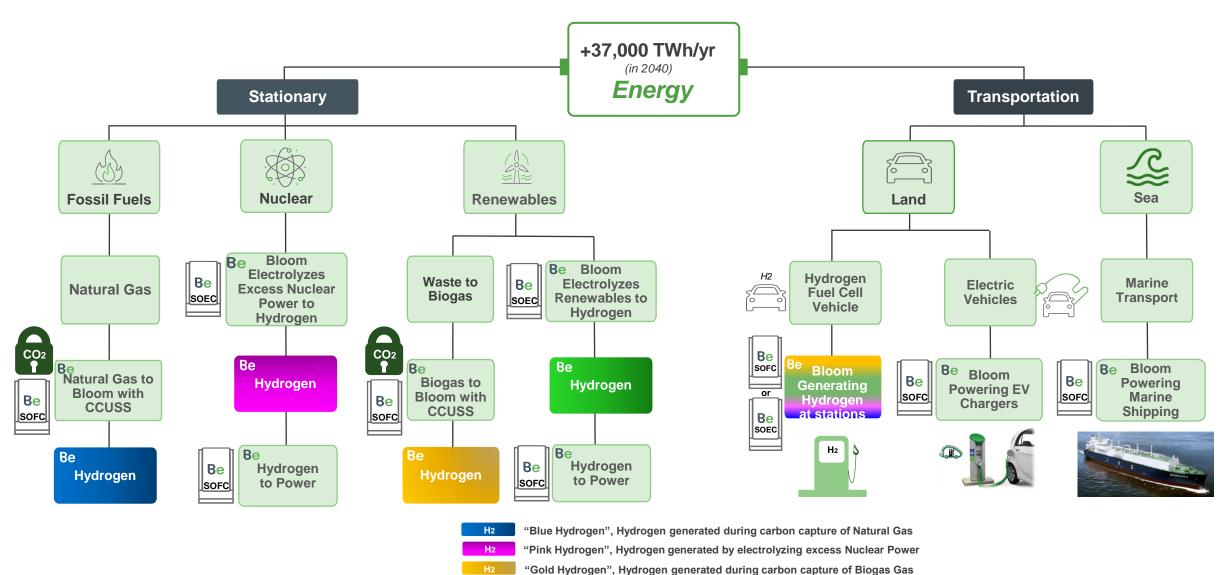








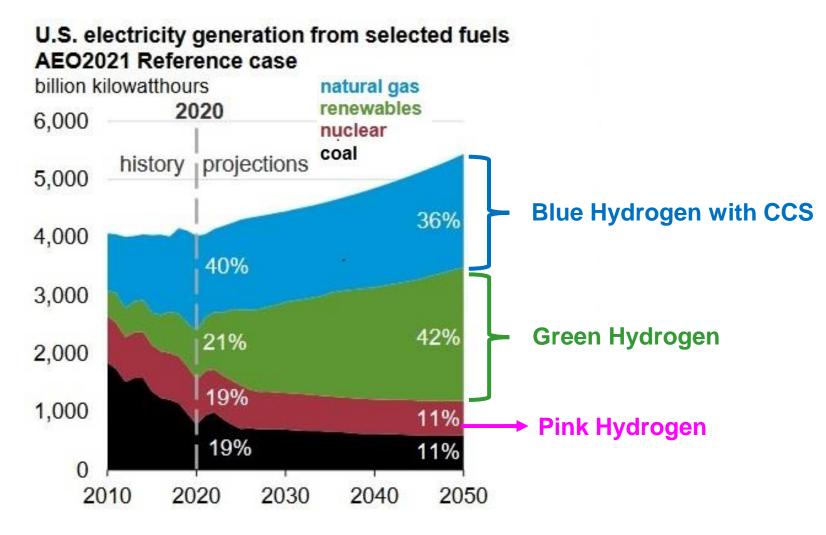
### **BLOOM'S VISION ON ENERGY TRANSFORMATION B**e



H2

"Green Hydrogen", Hydrogen generated by electrolyzing excess renewables

#### **DECARBONIZATION STRATEGY WITH H**<sub>2</sub>





Source: U.S. Energy Information Administration, Annual Energy Outlook 2021 (AEO2021)

Be

# DECARBONIZATION BY FUEL SELECTIONBeNatural GasNatural Gas

Biogas

Natural Gas +

# Hydrogen Carbon Capture

Natural Gas

Natural Gas +

Hydrogen

Pure Hydrogen

Water

# **Bloomenergy**<sup>®</sup>