

# DOE Electricity Advisory Committee

## Energy Storage Subcommittee Update

**February 2021**

# Agenda

## **2021 Energy Storage Plan Assessment**

### **2021 Topics and Products**

Power to Gas

Energy Storage Operations Optimization

The Big Picture Revisited: What's Here,  
What's Coming, and What's Missing?

# 2021 Energy Storage Plan Assessment

## **Statutory Requirement**

Energy Independence and Security Act of 2007 (EISA), Title VI, Section 641(e), Section 641(e)(4): “. . . every five years [the Energy Storage Technologies Subcommittee], in conjunction with the Secretary, shall develop a five-year plan for ... domestic energy storage industry for electric drive vehicles, stationary applications, and electricity transmission and distribution.”

## **Scope**

Build on ESGC Recommendations, DOE’s Final Energy Storage Roadmap, and February meeting panel insights.

Follow statutory requirement to provide input on holistic view of energy storage industry, applications, and impact.

## **Process**

Aug. 2020: Recommendations to Energy Storage Grand Challenge

2020-Q1 2021: Review of Energy Storage 10-Year Roadmap

May 2021: Vote Report

## Other topics

### **Power to Gas**

June 2020: Panel on Power to Gas

Fall 2020: Follow up DOE activities

What is the role of hydrogen and power to gas technologies in the electric and gas sectors?

### **Optimizing energy storage operations and benefits**

Feb 2021: Panel

Panel insights / follow up.

What remains to be done to ensure that the benefits of energy storage are maximized?

### **The Big Picture Revisited: What's Here, What's Coming, and What's Missing?**

Time to revisit the big picture: What is the ultimate goal? How does 2030 and beyond look like? How is the state of the energy storage and enabling technologies contributing to that goal?



Questions