

# **EVGrid Assist: Accelerating the Transition**

Comprehensive VGI Technical Assistance Initiative

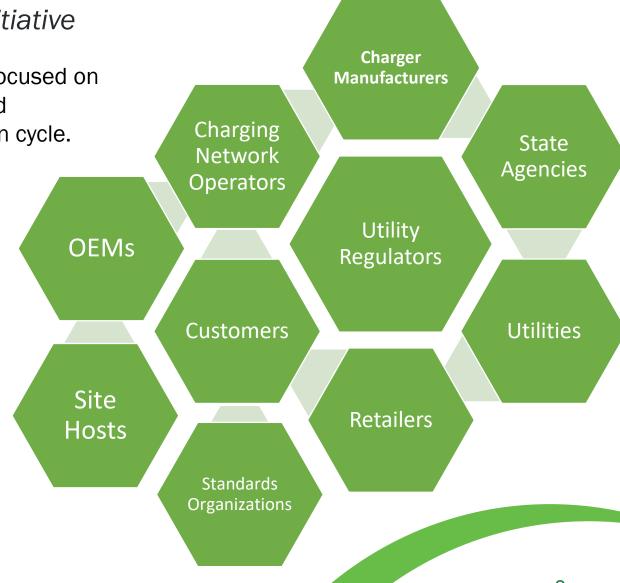
A cross-DOE coordination and technical assistance effort focused on the interface between vehicle charging and the electric grid considering the full spectrum of the R&D, deploy, use, learn cycle.

## Purpose:

- Increase stakeholder knowledge
- Drive actions to resolve VGI challenges and barriers
- Provide pathways for stronger VGI coordination

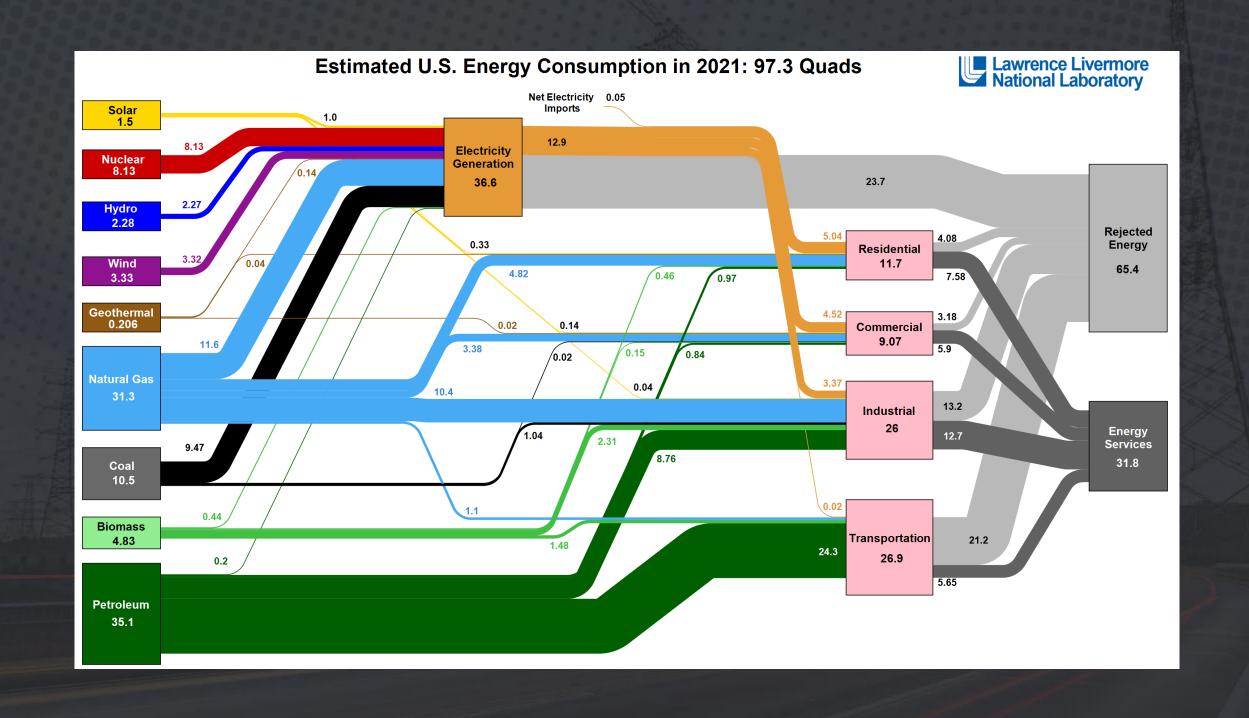
### **Objectives:** Activate the community to

- Prioritize challenges to solve
- Accelerate planning and decision making
- Enable proactive infrastructure investments and supporting markets, rates and regulations
- More quickly achieve decarbonization goals





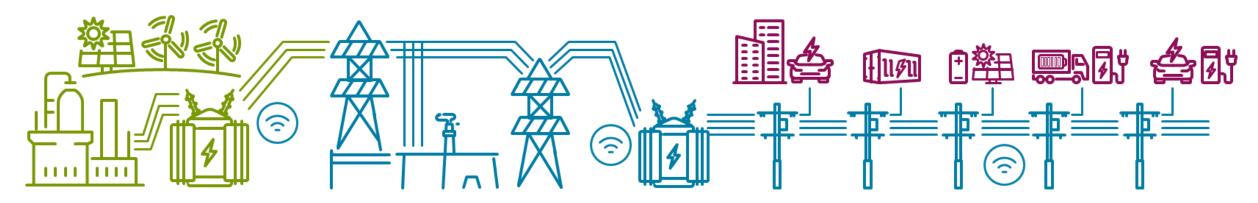




## **Vehicle Grid Integration (VGI) for Electric Mobility**

Essential for Achieving Transportation and Power Sector Goals

## Decarbonized | Reliable | Resilient | Cost-effective



#### **ENABLED BY**

- Renewable Resources
- Reliable Charging
- Sufficient Capacity
- Driver Behavior

- Communications & Controls
- Technical Standards
- Cyber Security

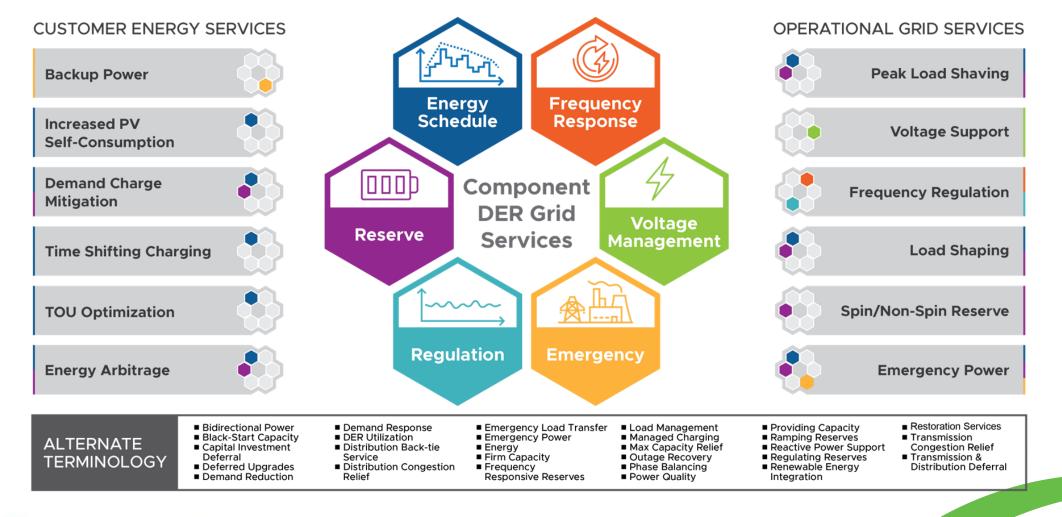
- Retail Rates
- Grid Services Markets
- Actionable Data

- Policy
- Transparency & Oversight
- Investment





# **Grid Services Categories – V1G, V2G**

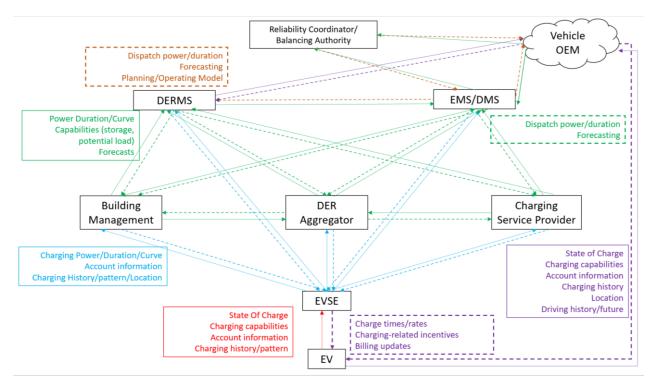






# A word about data....

- Data landscape is changing
- May require new data types and insights into customer behavior
- Could lead to challenges around access or privacy
- Multiple parties have different data
- Parties may want or need data that they don't have







# Infrastructure Morality?

- Empowers those with less
- Strengthens what binds us
- Democratizes energy

