

# Data Needs and Innovative Market Opportunities

June 21, 2023





## Tierra's Data Insights, Challenges, and Opportunities

























































TIERRA





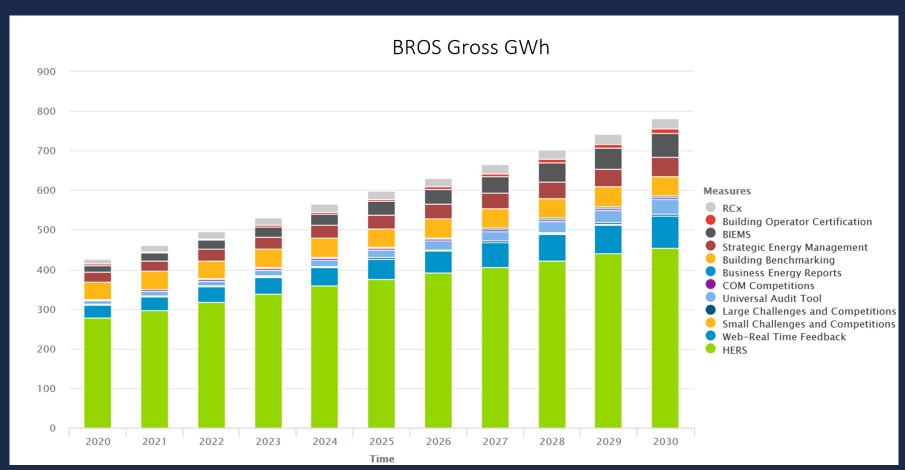






### **Opportunities to Integrate and Coordinate Data Across** Industry Organizations, Studies, Sources, etc.

Groups A and D Nexus on BROS (820 GWh in 2020)



- Most BROS measures are large and small commercial
  - Group D Deliverable 27: Behavioral, Retrocommissioning and Operational **Program Impact and Best Practices Study**
- Most BROS savings are residential (e.g., HERS).
- BROS uncertainty includes CA specific values for UES, **EUL**, Costs





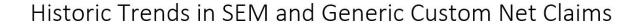


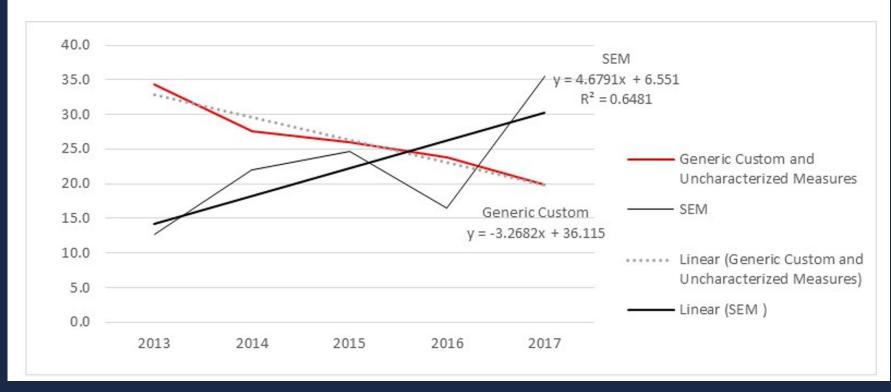




# Opportunities to Integrate and Coordinate Data Across Industry Organizations, Studies, Sources, etc.

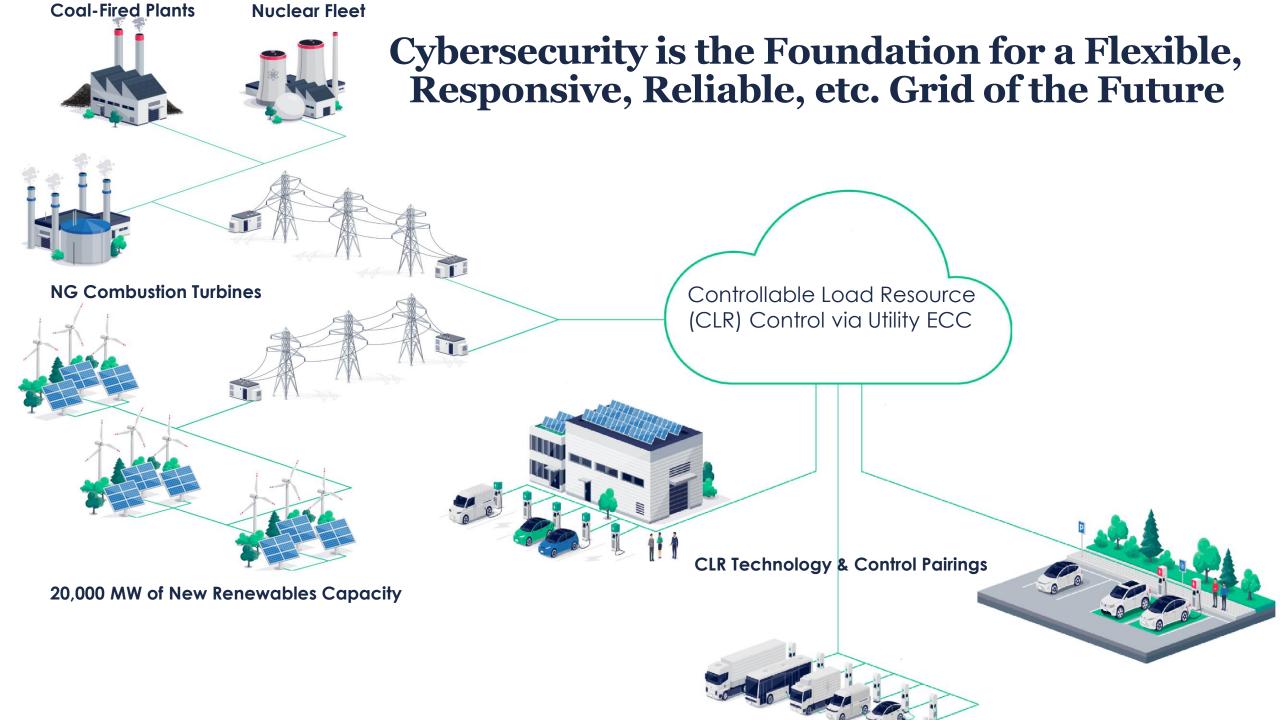
**Group D Nexus on Generic Custom and SEM** 



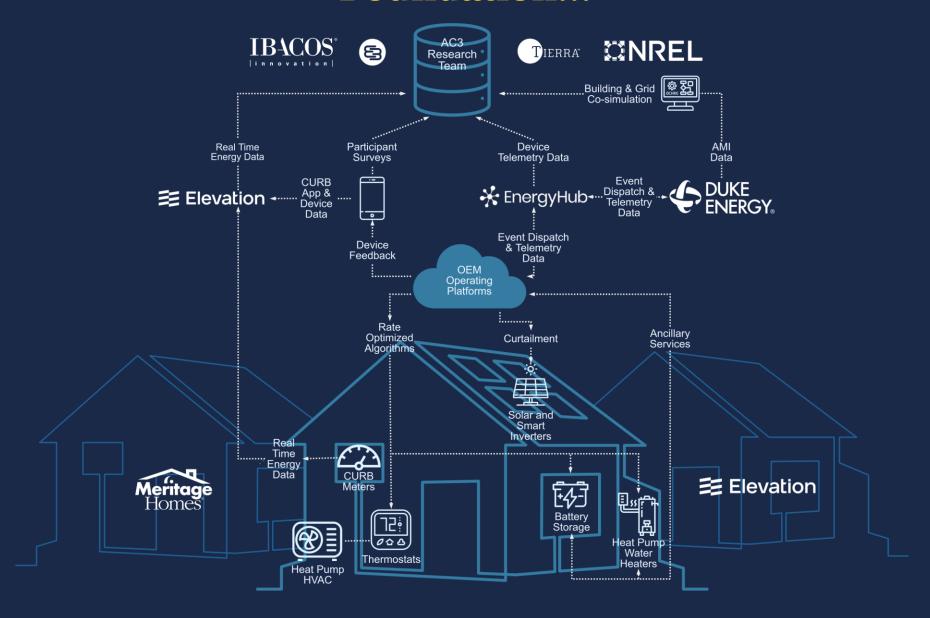


- Many SEM forecast values are based on external or dated studies (e.g., UES by Market Segment, EUL, Incremental Costs, kW forecasts, etc.)
- Potential to refine forecast parameters within existing deliverable groups
- Opportunities to integrate data sources, analyses findings, etc. of broader Evaluation Groups within eTRM





# [Targeted and Pragmatic] Cybersecurity is the Foundation...





# **Appendices**





# Tierra's Primary Practice Areas











#### **Strategy**

Strategic Planning

Portfolio Optimization

**Portfolio Evaluation** 

#### Research

**Technology Assessments** 

**Potential Studies** 

Customer/Market Research

#### **Delivery**

Program Design

Implementation Support

**End User Services** 

#### **Evaluation**

Impact Evaluation

**Process Evaluation** 

**Customer Experience** 

#### Sustainability

Climate Action Planning

Corporate & ESG Services

**Utility Carbon Management** 



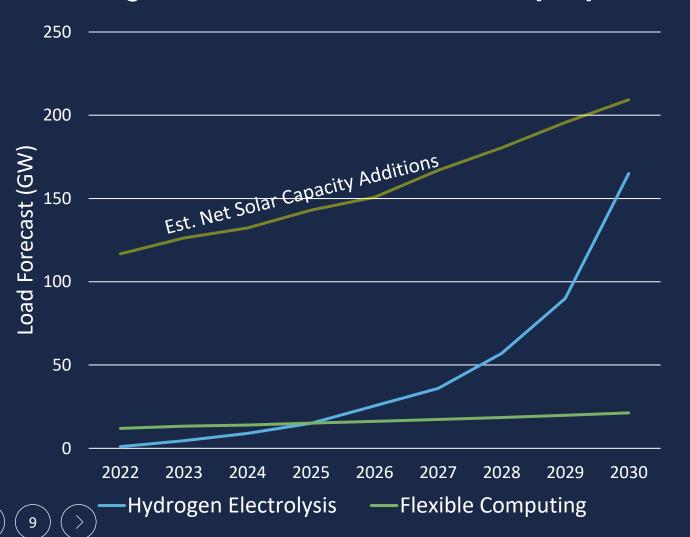






### Controllable Load Resource (CLR) Market Forecast

Figure 1. CLR Global Load Forecast (GW)



- Quickly Modulate Demand in Response to Control Signals
- Offer Prescient and Impactful Grid Benefits
- Leverage and Incorporate Strategic
  Insights from the Growth of Renewables
- Align and Coordinate Diverse Resource
  Mix with Uniform Communication
  Standards



Source: IEA & BloombergNEF