

EPIC Strategic Goals Built Environment

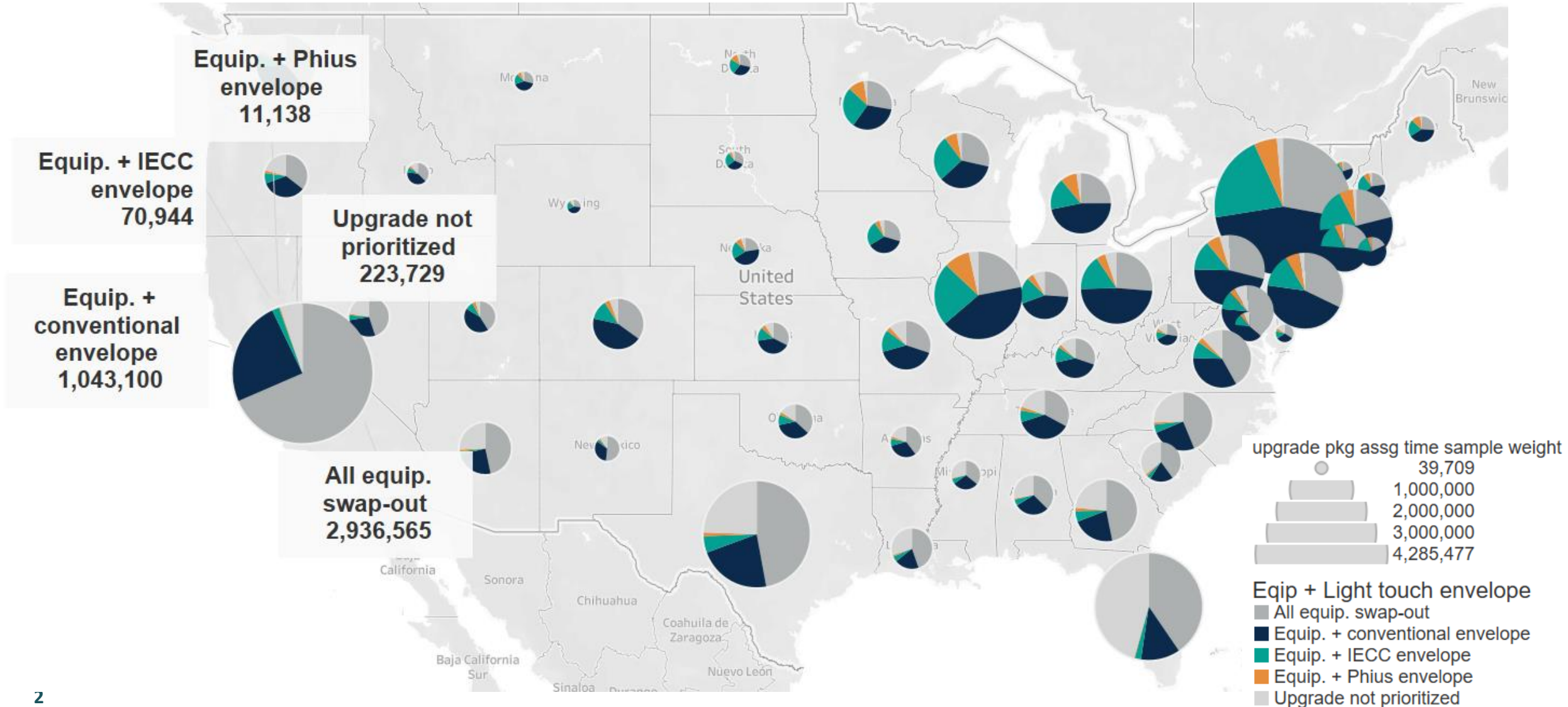
Learnings from REALIZE

September 19, 2023



ABC Market Guidance Report (forthcoming)

Retrofit Package Results for CA -- all multifamily



REALIZE Theory of Change



**Standardized
Retrofit Packages**



**Streamlined &
Standardized
Delivery**



**Aggregated
Demand**



**Scalable
Solutions**

Key R&D areas identified by REALIZE-CA

- **Develop full-suite technology providers as “one-stop-shop” for retrofits.**
 - Mark-ups and fragmentation throughout the supply chain create higher costs and longer timelines for projects. Solution providers in the retrofit market could deliver assessment, design, financing, and installation (and maybe even manufacturing).
- **Contractor training/Workforce development**
- **Retrofit air sealing innovation**
 - Current retrofit air-sealing approaches are either very manual (standard weatherization) or are disruptive (Aerobarrier), creating a huge opportunity for innovation.
- **Retrofit wall panels that pair structural/seismic retrofits with zero-carbon retrofits.**
 - When a building undergoes structural or façade repairs, prefabricated panel products could deliver structural repairs and energy performance at the same time.
 - Climate-smart wood products that create alignment across multiple state entities and needs
- **Coordinate R&D efforts with other energy research programs through the Advanced Building Construction Collaborative (ABCC).**
 - Amplify R&D investments and leverage parallel projects by partnering with the Department of Energy’s ABC Initiative.