

MD Clean Energy Center

Mapping Routes to Decarbonized Transportation

Lighttivity

Efficiency Made Visible



Lightility

Efficiency Made Visible

Automotive Groups



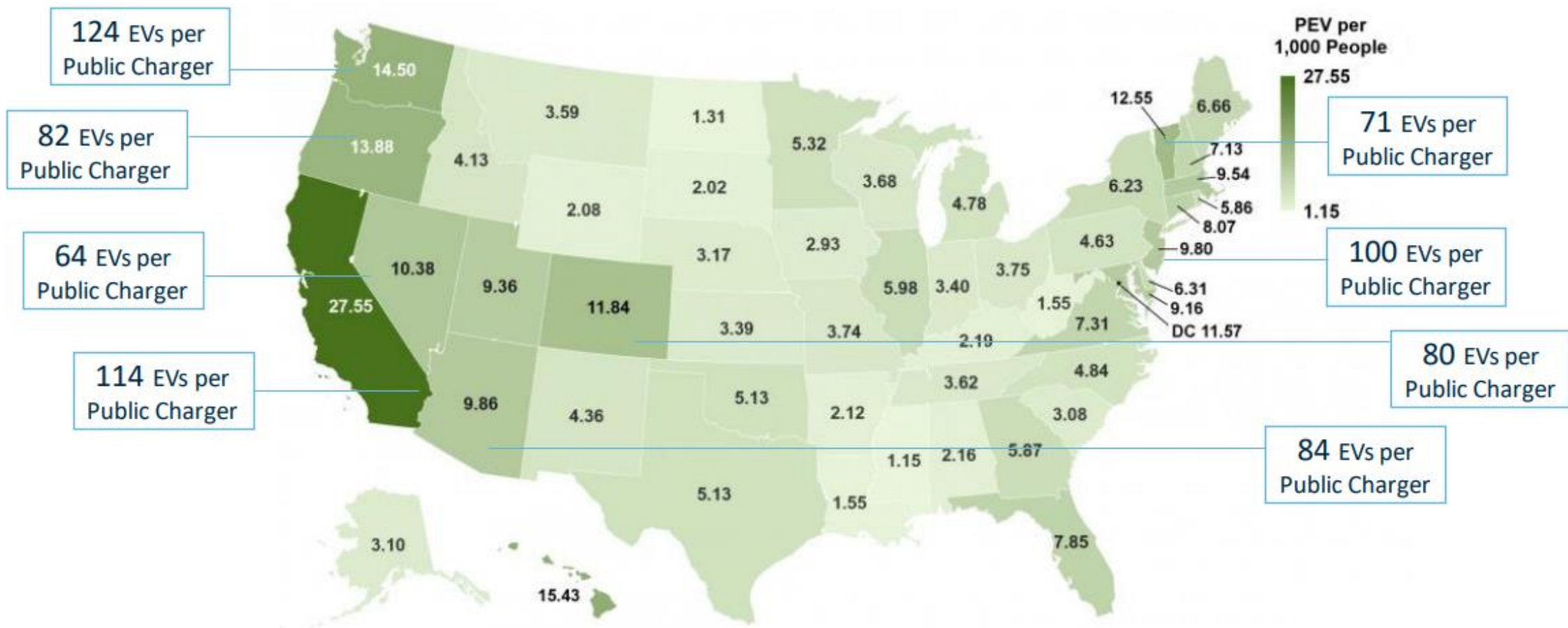
Commercial & Multifamily



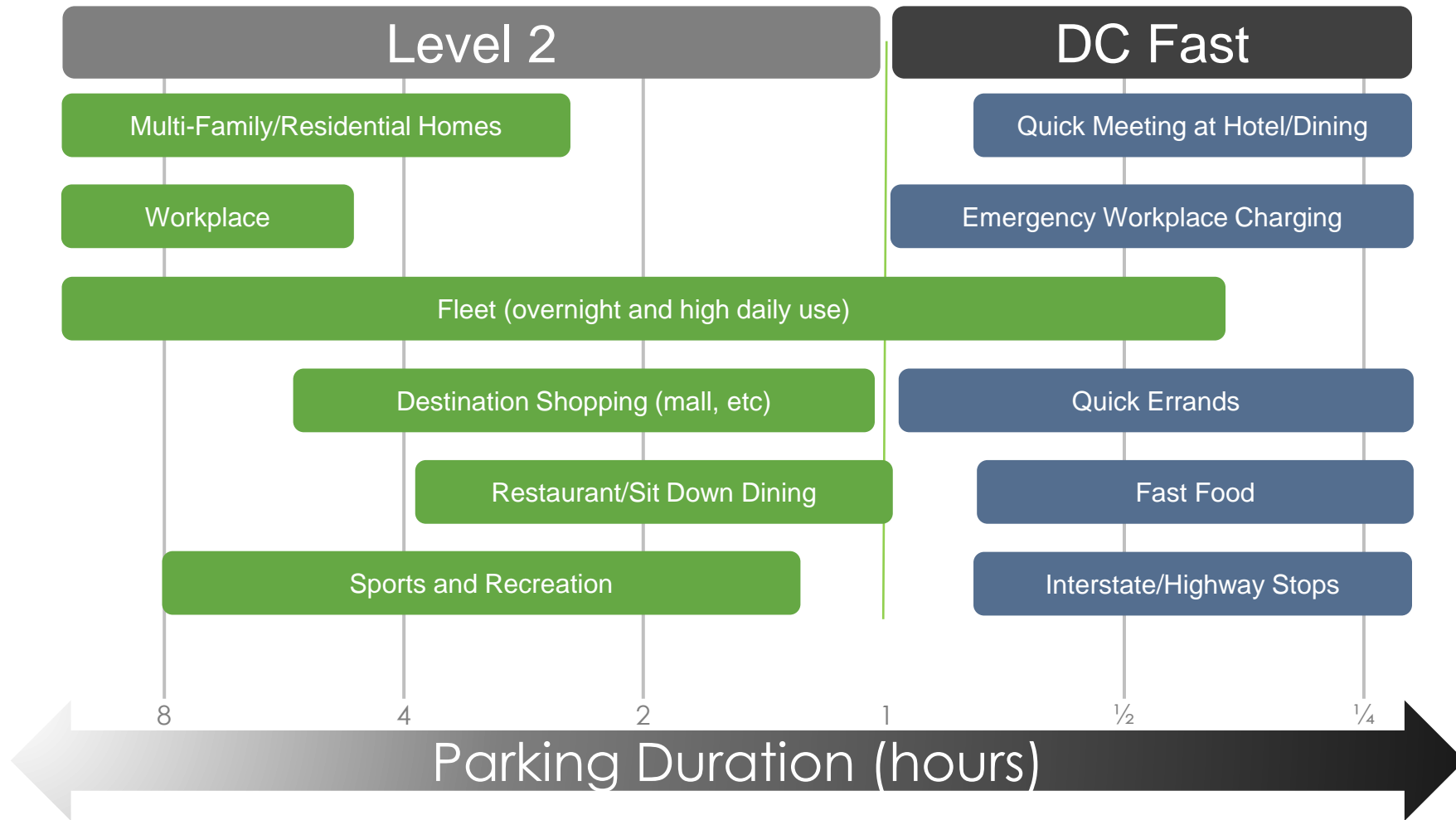
“The number of electric vehicle charging stations in the U.S. must quadruple through 2025 to meet EV sales demand.”

– S&P Global Mobility, shared by Automotive News

Existing conditions: EV vehicles per public charger (PEV/1000 people)



WHICH CHARGER IS RIGHT ONE TO CHOOSE?



Electrification of Transportation is a Major Strategy to Drive De-Carbonization

How do you meet demand?

1. Flexible power generation
2. Flexible demand
3. Energy storage
4. Smart/Interconnected grid



Electrification Challenges

Current considerations to be addressed:

- Grid Hosting Capacity
- Make-Ready Infrastructure
- Regulations and Compliance
- Permitting
- Utilities
- Future Proofing

