

Northeast Corridor Regional Strategy for Electric Vehicle Charging Infrastructure 2018 – 2021



May 16, 2018



Northeast Corridor EV Charging Infrastructure Strategy 2018 – 2021

Provides guidance and direction to public and private infrastructure investors to ensure a coordinated, well-informed, complementary and reliable NE Corridor regional charging network.



Three Pronged Approach

Charging Use Cases

- Home
- Workplace
- **Around Town**
- On the Road
- **Destinations**

Key Investors

- **State and local governments**
- **EVSE Providers**
- **Utilities**
- **Automakers**
- **Businesses**

Overarching Issues

- Billing & Network Interoperability Regulation of EVSE Providers Rate Design

- Signage
 Permit Streamlining
 Pricing Transparency
 Building Codes
- **Uptime**
- **Data Collection**
- **Future Proofing**
- **ADA Compliance**
- Low-Income/Disadvantaged Communities











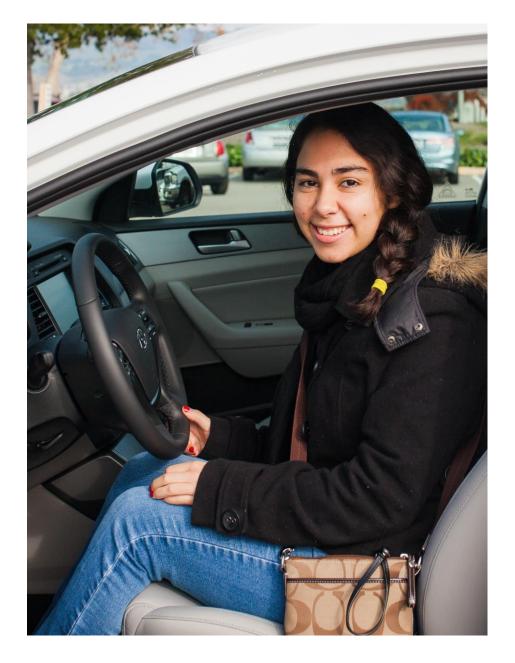
Key Roles

States: Policies to address overarching issues; workplace charging incentives; L2 around town, at publicly owned lots, at airports, train stations, transit centers, destination locations; filling DCFC travel corridor gaps

Electrify America/EVSE Providers: DCFC on travel corridors and strategically placed community charging hubs, at airports, train stations, transit centers; innovative MUD pilots

Utilities: MUD and single family home incentives and EVSE; DCFC at airports, train stations, transit centers, travel corridors; workplace charging incentives, outreach and EVSE deployment; beneficial rate design





Priority Consumer Use Public Charging Issues

- Billing and Network Interoperability
 - Open Access
 - Payment Options
- Accessibility
- Pricing Transparency
- Uptime
- Signage
- Broadening Access





Billing & Network Interoperability

States should:

- Require publicly funded charging stations for public use to be open to all drivers, regardless of network membership or subscription: and
- Convene a multi-state workgroup to consider network interoperability requirements for publicly funded charging stations for public use.







Payment Options

- Public policy goal promote universal EVSE access by offering commonly accepted payment options
- Should states establish mandatory payment options?





Accessibility

- Should states require publicly funded public charging stations to meet accessibility standards?
- Should they be accessible to drivers 24 hours a day, 7 days a week?
- Should stations serving highway corridors be treated differently than other public charging?





Maximizing Uptime

- States and others installing or funding charging stations should establish clear responsibility for maintenance and repair, including frequency of maintenance and repair response time
- Require conspicuous posting of customer service support contact information
- Consider requiring real-time information about charging station operational status
- Consider installing multiple stations at each site

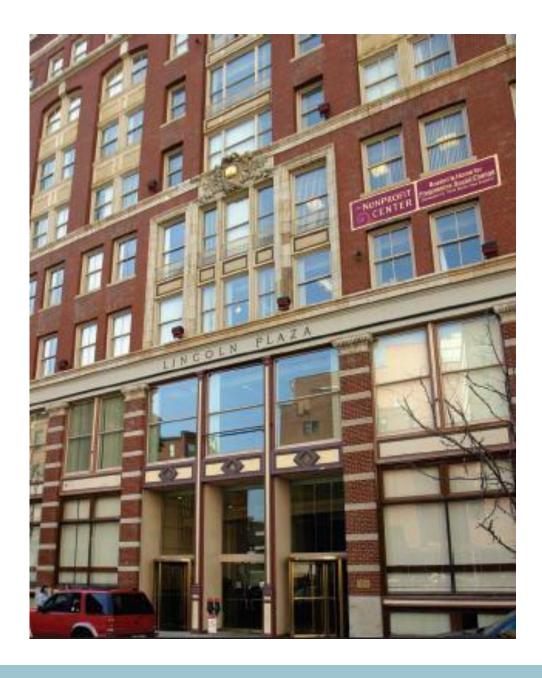




Pricing Transparency

- Strategic Plan recommends that pricing information be made available to consumers in advance of each charging session
- Unit of sale, price per unit, additional fees and power level
- Options include:
 - Display screen on the face of the charging station
 - Smart phone app
 - 800 number for consumers without smart phones





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