Scaling Up Innovation to Drive Down Emissions: Building out EV Charging Infrastructure

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The **Electrification Coalition** is a nonpartisan, not-for-profit group committed to promoting policies and actions that facilitate the deployment of electric vehicles on a mass scale.
Investment in EV Infrastructure

1. Federal level: Bipartisan Infrastructure Law
   *Agency coordination

2. State and City Level Landscape

3. Utilities

*What’s on the horizon?
Federal Level: Bipartisan Infrastructure Law

Dedicated EV Funding:
1. $5 billion for EVSE build-out along highways (NEVI)
2. $2.5 billion competitive grants; 50% set aside for community grants with priority for rural and underserved communities
3. $2.5 billion for electric school buses, $2.5 billion zero emission and low emission buses

Additional Programs:
*Section 11115: Congestion mitigation and air quality improvement program
*Section 11402: Reduction of Truck Emissions at Port Facilities
*Section 11403: Carbon Reduction Program
*Section 30018: Grants for Buses and Bus Facilities
*Section 40107: Deployment of Technologies to Enhance Grid Flexibility
*Section 40541: Grants for Energy Efficiency Improvements and Renewable Energy Improvements at Public School Facilities
Federal Level: Agency Coordination

- New joint office DOE/DOT: driveelectric.gov
  *technical assistance
- DOT Rural EV toolkit (p. 73-83 EVSE programs); EC Rural Guidebook
- EPA Clean School Bus: epa.gov/cleanschoolbus
  *technical assistance
- Deployment principles:
  - Reliable
  - Effective
  - Equitable
  - High Quality
  - Connected
  - Affordable
  - 100%
State and City Level Landscape

- Corridor programs
- Rebate programs
- Deployment goals
- VW Settlement funds
- EV-Ready Wiring, Codes, Ordinances
- Right-of-way charging programs
- Multi-unit dwellings
- Clean fuels standard
- *And more!*
### Utilities

#### Figure 4: Electric Utility Filings by Status Between 2012 and June 2021

<table>
<thead>
<tr>
<th>Approved</th>
<th>Pending/Filed</th>
<th>Denied/Withdrawn</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>32</strong> States</td>
<td><strong>22</strong> States</td>
<td><strong>21</strong> States</td>
</tr>
<tr>
<td><strong>111</strong> Filings</td>
<td><strong>56</strong> Filings</td>
<td><strong>38</strong> Filings</td>
</tr>
<tr>
<td><strong>51</strong> Utilities</td>
<td><strong>33</strong> Utilities</td>
<td><strong>26</strong> Utilities</td>
</tr>
<tr>
<td><strong>$3,076,300,118</strong> Investment</td>
<td><strong>$2,093,601,953</strong> Investment</td>
<td><strong>$537,866,476</strong> Investment</td>
</tr>
<tr>
<td><strong>6,257</strong> DC Fast Charging Stations</td>
<td><strong>2,558</strong> DC Fast Charging Stations</td>
<td><strong>504</strong> DC Fast Charging Stations</td>
</tr>
<tr>
<td><strong>223,858</strong> Level 2 Charging Stations</td>
<td><strong>212,148</strong> Level 2 Charging Stations</td>
<td><strong>86,143</strong> Level 2 Charging Stations</td>
</tr>
</tbody>
</table>

This chart summarizes approved, pending, and denied filings through June 2021.

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**Credit:** Atlas Public Policy, Electric Utility Filing Bi-Annual Update
What’s on the horizon?

Look to the federal level to continue to have the right scale and scope:

- 30C Alt fuel refueling property tax credit
- Additional reconciliation policies for EVSE deployment
- Appropriations
- Guidance from DOT/DOE on standards
- Allow for EVSE at rest stops
- EVs for All Act – grant program for EVSE at public housing (H.R. 6662)
- EVs in Underserved Communities Act (H.R. 1221 / S.507)
- Allow REAP funding to be used for installing EVSE on American farms (H.R. 6390)
- Renewable Fuel Standard policy– credit for generating electricity
Thank you!

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