The Electrification Coalition (EC) is a nonpartisan, non-for-profit organization dedicated to accelerating the mass adoption of electric vehicles (EVs).
EC Partnership with Atlanta

Current Electrification Coalition Programs:

• Drive Electric Northern Colorado
• Rochester EV Accelerator
• Smart Columbus
• Energy Secure Cities Coalition
• City of Atlanta Partnership
Atlanta Electric Vehicle Background

- State of Georgia has 21,000 electric vehicles on the road with ~80% being in the Atlanta Metro Area
- US DOE projects 225,000 plug-in electric vehicles (PEVs) in Atlanta metro area by 2030
- 80% of charging is done at work or home (DOE’s Office of Energy Efficiency and Renewable Energy)
Overview of Enacted Ordinance

- Applies to new Commercial and Residential Properties
  - 20% of new commercial parking must be “EV ready”
  - Residential must be at least 240V

- What is EV Ready?
  - Raceway continuous from panel to future PHEV/EV parking space(s)
  - Electrical equipment room must have dedicated space for future installation
  - This installation doesn’t violate the ADA of 1990
## Costs Comparison During and After Construction

<table>
<thead>
<tr>
<th></th>
<th>New Costs for EVSE infrastructure</th>
<th>Retrofit Costs for EVSE infrastructure</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>R-3</strong></td>
<td>$40-$100</td>
<td>$1,000-$1,200</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>New Costs for EVSE infrastructure per space (30ft-120ft)</th>
<th>Retrofit Costs for EVSE infrastructure per space</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Groups A, B, E, I, M, R-1, R-2, S-2</strong></td>
<td>$850-$1,650</td>
<td>$3,500-$12,500</td>
</tr>
<tr>
<td></td>
<td>Average surface retrofit: $6,975</td>
<td>Average garage retrofit: $3,750</td>
</tr>
</tbody>
</table>
Public Outreach Process

Before Passage of Ordinance:
- Worked closely with developers, original equipment manufacturers (OEMs), non-profits, charging station companies, and our electric utility

After Passage of Ordinance:
- Worked with Georgia Power who hosted two separate workshops on the ordinance for questions and clarification
Public Outreach
Guide to understanding EV readiness and what Atlanta’s ordinance means for developers

Public Link:  
Reporting: Justifying the 20% requirement

Date of Enforcement: July 1, 2018
Impacts and Replication

**Impacts:**
- Lower installation costs during construction compared to retrofitting
- Shows that your City is forward thinking and friendly to evolving technologies

**Replication:**
- Consistent community engagement
  - Developers
  - Manufacturers
  - Experts
  - Non-Profits
  - Community Groups
- Other municipal examples:
  - Vancouver
  - Berkeley
  - Denver
  - New York City

Courtesy: Anne Blair, Southern Alliance for Clean Energy
Contact & Questions

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City of Atlanta Mayor’s Office of Resilience