

# NEXT STEPS:

## Proposed Metropolitan Washington Regional EV Readiness Network and Strategy

### Discussion Questions

- What barriers exist to the purchase and ownership of Electric Vehicles and charging stations and how can they be addressed?
  - Codes and standards
  - Ease of permitting residential charging stations
  - Cost of infrastructure
  - Zoning issues
- Who needs to be involved in planning?
- What is the role of local government in EV readiness planning?
  - What are the issues and tasks necessary to the installation of a charging infrastructure, from the technical to the managerial

# Proposed Regional Network Planning Committee

- Government

- COG
  - Region Forward
  - TPB
- 21 local government jurisdictions
- Regional Agencies
  - State DOTs
  - Planning Departments

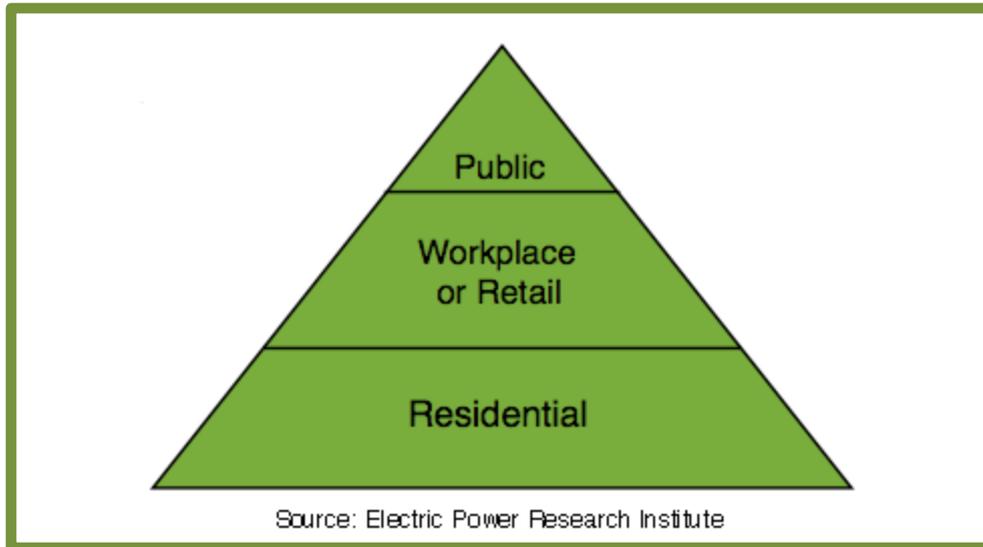
- Public –Private

- Greater Washington Clean Cities Coalition
- Associations
- Universities
- Businesses

- Regional Advocacy

- OEMs

# Ideal Locations for Charging Stations



## • Fleets of EVs

- Municipalities
- Counties
- Utility Companies
- Campuses
- Delivery businesses
- Airports

## • Consumer

- Garages
- Driveways

## • Public

- Shopping Malls
- Parking Lots
- Parking Garages
- Curbside Parking
- Downtown Parking
- Employers
- Stadiums and Arenas
- Hospitals
- Churches
- Park and Ride
- Apartment complexes
- Golf Courses
- Strip Malls
- Restaurants
- Movie Theaters
- Office/Industrial Parks
- Airports
- Train Stations

# What does government need to do?

- Remove barriers
  - Financial modeling, i.e. integrate with PPAs
  - Non-garage homes
  - Expeditious permitting process
- Rational planning for infrastructure locations
  - Best location to optimize use
- Coordination with utility
  - Communicate locations of charging stations, especially for home installations
- Workshops coordinated with community planning
- Governments publicize voluntary efforts of private sector (put on public web site)
  - Educate the economics of EVs, ex. cost/mile
  - Educate consumer on home power needs
- Public outreach and education!!!
  - Charging at night
  - Cost comparisons, life-cycle cost analysis (see DTE web site)
  - One set of FAQs for consumers

# What does government need to do?

- Public infrastructure is needed to compliment home charging
- Request OEMs to notify the electric utilities
- Planning
  - Local governments integrate into community energy planning
  - Convenience parking
- Must be sustainable