

Electric Vehicle Readiness Plan, Washington,DC-MD-VA
1.12.12
1. Introduction (barriers, data, need for readiness plng)
a. Goals, benefits of EV deployment
b. Priorities for EV deployment
c. Barriers to deployment (identify)
d. Players/Stakeholders Perspectives/Roles
1) Govt, OEMs, EVSE, employers, fleet operators
e. Best practices (Washington State, Houston, CA)
2. Existing Infrastructure
a. EVSE inventory (network, current and planned)
b. Location, number of EV's, PEV's (maps)
Survey of commercial, LG fleets
c. Background: stimulus programs in region
d. Local government readiness (survey results)
3. How and Where to Deploy EVSE
a. Anticipated Markets for EV
Data collection from OEMs, DMVs, major employers and fleet owners, public and private
Available Projections - US DOE, MEA, Project Get Ready
b. EVSE Deployment Needs
How many may be needed and when?
Regional Outlook for EV ownership and general regional travel patterns, suggesting sites for EVSE
c. EVSE Deployment Strategies
Deployment Options – Who Pays, Revenue Model, Business Case
Potential Site Locations
Best practices for siting charging stations
Incentives: Federal, State and Local
d. Addressing Challenges
Siting issues: Multi-family dwelling units , Condos, HOAs
e. Additional EVSE Deployment Considerations
Signage, lighting, weather protection , protective measures
4. Model Building Codes, Permitting and Zoning
a. Survey of permitting practices, best practices
b. Survey of inspection practices, best practices
c. Best practices for building codes, EV circuitry, multiple family dwellings, ADA compliance
d. Survey of & Best practices for zoning and parking ordinances
5. Utility Planning
a. Rate Structure and Third-party billing
Best Practices
Comparison of VA, MD, DC
b. Electric grid impacts
Clustering, transformers/feeders, Grid Impact
c. Integration with renewable: solar charging and distributed generation
V2G
6. Stakeholder Recommendations
After each chapter, summarized here