

COG EV Policy & Processes Work Group
October 18, 2011 DRAFT Meeting Highlights

COG Room 1
Washington Metropolitan Council of Governments
777 North Capitol Street NE
Washington, DC 20002

Attendance

Anna Chamberlin, DDOT
Cassie Powers, Georgetown Climate Center
Clara Reschovsky, COG DTP
Claude Willis, GWRCCC
Daivamani Sivasailam, COG DTP
Dave Goldstein, Electric Drive Association Washington DC
Dyan Backe, City of Gaithersburg
Elena Constantine, COG DTP
Emil King, DDOE
Erica Bannerman, City of Alexandria
Ignacio Ayala, OpConnect
Jeff King, COG DEP

***Kambiz Agazi, Fairfax County**

Kate Fritz, MNCPPC-PG (conference call)
Kelly Zonderwyk, Arlington County
Leah Boggs, COG DEP
Nicole Steele, Loudoun County
Olayinka Kolawole, DDOE
Ron Flowers, GWRCCC
Stephen Schey, ECOtality
Theresa Cusub, DC DPW
Tina Schneider, MNCPPC-M
Yu Gao, COG DTP

Conference Call

Tess Flohr, Eaton (conference call)
Tim Long, ECOtality (conference call)

*** *Work Group Chair***

1. Introductions (Chair)

- September 27, 2011 Meeting minutes recognized and received with no changes

2. Assessment of Permitting Processes (Emil King, Nicole Steele, Kambiz Agazi)

- Emil King for DC

Generally, EV infrastructure is considered an electrical appliance

- Public permits
 - Online process and handled through DDOT
 - Impacts curbside parking, sidewalks, etc.
 - Inspection turnaround time: within 24-49 hours
 - Fee: \$33.00 plus \$3.20 convenience charge
 - For non-governmental:
 - Must go through the Public Space Committee that meets once a month
 - Time frame: 2-3 month wait to get on the calendar/agenda
 - TOPs program
 - Must submit plans
 - “ICEing”, Standard signage and enforcement
 - 14th & U station – for charging EVs only; capped at 4 hours; not enforced yet; eventual fee of \$100 and towed
 - Loudoun (Nicole Steele) – “Reserved for EVs” signage; does not think it can be enforced on the local level; county’s attorney’s office indicated must be done at the state level
 - Fairfax (Kambiz Agazi) – could be a potential legal issue in Fairfax; county has a parking czar
 - Proposes to set aside a thorough discussion with legal experts at the November meeting
- Private permits (Residential)
 - Online process and handled through DCRA (www.dcrd.dc.gov)
 - Under 10 outlets is considered 1 plug
 - Online process includes a “postcard permit” for homeowners and contractors
 - Postcards permits also applies to electrical, mechanical and plumbing projects
 - Postcard permits do not apply to historical projects; historical projects must go through historical preservation within DCRA

- Fee: \$33.00 plus \$3.20 convenience charge; fees applies also applies to commercial projects
 - Inspection turnaround time: 24-48 hours
 - Online status check is available
 - Over-the-counter permit application: same day turnaround time
 - Homeowners burden to know the electrical code
 - Certified electrical contractor or master electrician is responsible for notifying or “pulling the permit” from DCRA
 - DCRA customer service: 2/442-9470 or 442-4589; 110 4th St. SW
 - Special training was requested via the Sunshot Rooftop Solar Challenge; however, no special training is needed since it is considered an appliance
 - Separate meter request
 - Currently no formal policy; DC has not received any request yet
 - For larger green building or LEED projects that include EV charging, permit process is expedited 30 days; EV infrastructure portion is separated out
 - Zoning requirements: DCRA handles excessive height or size projects
 - ADA requirements to ensure minimal compliance? Permit request would NOT go through postcard process
- Loudoun County (Nicole Steele)
- No additional considerations outside of electrical permitting process
 - Cost: commercial - \$90, residential - \$60; residential permit is quicker
 - Process: online or over-the-counter through Building Development
 - County has received more inquiries from condos and apartment buildings;
 - County is currently in discussions with HOAs and property managers regarding development of best practices guide; EV charging would be a small component of the technical guide which focuses on energy; expected to be complete by the end of the year.
 - ADA requirements and accessibility
 - Parking ride spots do not take up handicap spots
 - Enforcement is on the state level
 - Charging fee
 - \$1.44 charging fee of for a full session; cost covers cost of the electricity
 - July 1, 2011 legislation said the county can pass the cost of electricity on to the user
 - Maintenance and Training
 - Training done by General Services
 - Recommendation (Ignacio Ayala): include a phone number

- The county owns EVSE equipment with one year warranty
- Project Costs
 - \$300k for 5 stations 2 chargers each and including solar
 - \$4700 each for equipment costs
- Fairfax County (Kambiz Agazi)
 - See 2 handouts
 - EV infrastructure viewed as a fixture that requires an electrical permit
 - For residential new or existing construction/permit
 - Can be done online via Fairfax Inspections Database Online (FIDO) – 10 minutes or in person via the Permit Application Center – 30 minutes process
 - Cost: \$92 + \$2 fee
 - For commercial new or existing construction/permit
 - Currently done in person via the Permit Application Center; online application process by November
 - Federal ADA requirements was not raised
 - ADA requirements NEED to be evaluated
 - Steve Schey (ECotality) has developed Lessons Learned on ADA issues for US DOE grant; agreed to present at November meeting
 - Zoning is separate from building codes
 - Separate Meters?
 - Dominion's EV Pricing Plan requires a separate meter; however Fairfax County code staff views this separate meters as a code issue
 - Up to 6 separate meters can be installed, but each area covered by a meter must only get power from that meter and be isolated by other areas with the 2-hour burn firewall.
 - Per feedback subsequent discussion City of Alexandria codes staff – it is not seen as a code in Alexandria
 - Smart EVSE has a separate meter embedded

3. Next Meeting Topic(s)

- Land use and zoning
 - Number of chargers per unit
 - Separate metering in VA
 - Planning and zoning staff – land use policy text
- Comprehensive Planning
 - Local government green building and LEED certification policy; green building certification staff

- Preference is to not give LEED points for EV charging
 - Specific/key nuances how EV policy could be incorporated
- ADA compliance
 - Parking requirements
 - Staff attorney or statement
 - Stephen Schey to make presentation on Lessons Learned
- Signage and Enforcement
- Non-governmental entities seeking permits for public space

4. Wrap-up and Next Meeting Date

- Change in next meeting date. Next meeting will be held November 29, 2011.