

**Built Environment & Energy Advisory Committee Meeting
Meeting Summary: 1/16/13**

Attendance:

Emil King, DDOE
Joan Kelsch, Arlington County
Olayinka Kolawole, DOE
Tyler Espinosa, Optony
Thomas Yurysta, Optony
Jayson Uppal, Meister Consulting
Jeannine Altavilla, Arlington County
Bill Eger, City of Alexandria
Khoa Tran, City of Alexandria
Kambiz Agazi, Fairfax County
Najib Salehi, Loudoun County
Said Said, Prince William County
Steve Walz, NVRC
Lisa Orr, Frederick County
Jeffery Bond, Prince George's County
Rachel Healy, WMATA
Ken Stadlin, MDV-SEIA
Sam Hancock, Emerald Planet
Bill Busker, Emerald Planet

By Phone:

Erica Bannerman, Prince Georges County
Luisa Robles, Greenbelt
Noel Kaplan, Fairfax County
Kristen Larson, City of Bowie

COG Staff

Leah Boggs, COG DEP
Jeff King, COG DEP
Isabel Ricker, COG DEP
Maia Davis, COG DEP

1. US DOE Rooftop Solar Challenge/Solar Ops Meeting Outcome - Olayinka Kolawole, DOE Solar Technologies Office

Rooftop Solar Challenge round 2 funding (RSC II)

- Establish best practices locally → regional cohesiveness → national trend/market conditions

Meeting on Tuesday the 14:

- Goal: Foster relationships & communication between teams
 - o Share best management practices (BMPs) and energize teams
 - o other opportunities for communication: online forum
- 8 teams, each with about 20 jurisdictions

Next meeting "Solar Summit" in CA in May

Federal technical assistance available - NREL: research/analysis (surveys)

Also private technical assistance from ICLEI, Optony, Meister, ICMA

tech assistance:

NREL - research / analysis (surveys etc)
ICLEI, Optery, Meister, ICMA

with fossil fuels

2

Goal of Rooftop Solar Challenge =

Drive soft costs down → make ^{cost} competitive ~~with fossil fuels~~

Goals: create ideal solar market

- accessibility
- empower citizens
- pathways
- innovation
- network, build the

Looking For: Solar Ready Communities

- Pioneer: San Francisco
- More Conversation
- Short term actions (2014 program)!
- VA big policy changes = not in scope

Benefits of Participation

"Saving years of ppl's lives" (by elim red tops)

- National Team
- NARC: mid america NARC natl assoc.
- Market Assessment

→ consultant assistance

SM3 = solar market survey

- Assistance is meeting goals
- rel. broad scope: activities to

improve solar market

- Held Kickoff meetings Monday
 - separate mtg w 3 states

National Conversation

- Local leadership happening already
- Work force
 - boot on roof
- Tactics
 - conserv / liberal
 - roof / ground mount
 - all types & needs
- value network = (# participants)²

Goals

- | | |
|--|-----------------------|
| 1. Lower soft cost (less effort, time) | } benefits both sides |
| 2. Increase Certainty (predict) | |
| 3. Friendly market (encourage) | |
| | industry |
| | local gov |

Initial Interest

- Surveys: pinpoint holdups (needs)
 - Educate: train permit / inspectors
increase gov staff capacity
 - Outreach: consumer awareness ↑
- * set pragmatic achievable goals

How you can help

- participate in workgroups
- compare our baseline conditions to BMPs
 - ↳ who is doing ~~the best~~ best? position
 - help OG find these
- = Demonstrate Leadership

3

Tyler Espinoza, Optony

- Optony Working w/ all 8 staff teams
- open to recruitment more in COB region
 - benchmark to determine where they stand on perm, ran, etc
- over 100 across country particip
- determine goals, set working groups, implement BMPs
- re-evaluate SM3s in early 2015
 - ↳ if have made good progress, more \$ possible

Jayson Oppal - Meister
 take BMPs from KC success → distribute in 9 other regions

Progress Update:

- received results from all 8
- DC early leaders:
 - current revision, community solar, DC Sun, Com. PACE, municipal agg
 - ↳ scale, cost ↓

MD: - online permitting inspect. info
- res of munic agg

VA: permit fees low
low permit time, online inspect. info, etc

Residential Solar Potential

- Solar on rooftops, % total rooftop offset potent.
- comp. w/ Mapdwell - DC looking at it

Joan Kelsch: ① how granular is data
→ based on census data, not precise

no cost

② who in j needs to sign on?
→ dept head is fine, elected official too

Lisa Orr: asked about all the names

- Sunshot → Rooftop S. C. → ASTI, Solar Roadmap
- do we want our own → MARC/NARC, Solar Ready II

Kelsch: too much bureaucracy

Tyler: use whatever name choose: DOE RSC

Next Steps:

- ① Set goals (from roadmap)
→ put action plans in place

Regional Opportunities

① Standardize Permit Forms + Process

[need to get in touch w/ permit building departments] *

- help improve efficiency on BOTH sides
- Brower County FL (25 ~~counties~~ municip.)
 - ↳ same permit
 - ↳ prequalified certain systems
- NY state
 - ↳ streamlined 3 page permit
 - ↳ incentives to any community that adopts this process

⇒ Get VA bldg inspectors → uniform
 MD " " → MEA interested
 ↳ in doing state level

dc did pilots, set thru permit office

Emil

- DC sold to permit office by
- increased volume → overwhelming
 - in own favor to streamline
- MEA having same iss
 → addtl revenue for permit office

Ken stadin: VA allows homeowner assoc to ban solar

- MD bans this
- ↳ opp to get feedback on barriers
 - low pricing v. certainty
 - logical practical business practices

Lisa Orr

State involvement?

- interested b/c RPS
- MEA: funding to help in some way
- NYSERDA - cash for countries that adopt

Kambiz

- Survey ppl who went thru process to gauge issues
- Sees big barriers in VA:
 - ① few financial incentives
 - ② very regulated Utility model
 - net metering

Tyler

- RPS voluntary → no SPCC values to drive ^{met}
- ↳ we are looking for other solutions
- remove HOA restrictions
- get conditions to favorable state to prepare for possible change @ State level

Ken: survey needed most - MDV ^{SEIA} happy to provide info & solutions → drive goals

Kambiz: feedback from installers → goals

Lisa Orr: need to entice beyond early adopters

- ↳ provide resources on process, financing, etc
- Solarize workshops
 - ↳ got people thinking that never would
 - ↳ do legwork for consumer
 - compare leases, etc

- Thomas: Awareness also key
 - identify key missing ~~info~~ info
 - workshops @ end of year to educate consumers / installers on Δs

- Solarize - Bulk Purchase programs
 - ↳ leverage purchase power
 - ↳ decrease learning curve
 - prov. experts, info, etc
 - ↳ could spread to other MD counties
 - step by step guide to implementation

- Pre Screen municipal bldgs - copy do for free
 - can group, RFP for bulk purchase
 - could do land / brownfield as well

- Energy Sage - Expedite of solar
 - DOE funded start-up
 - ↳ Geostellar, other similar platforms
 - ↳ helps evaluate proposals, bases, installers, etc
 - integrating a mapping component

- Mapdwell: adding greenroof, thermal, historic data

ROUND TABLE / UPDATES:

Leah:

Leadership Award Pilot

- advance CEERC action plan goals
- Focus on the leaders
- small, med, large communities & NGOs
- Judging Criteria
 - Results, creativity, model, engagement

Tyler:

EPA collaborative solar ~~prog~~ procurement

- DC, Montco multi mega watts

Jeff:

Microgrid workshop

Steve Bicker: DHS workshop (UASI)

ESF 12 - BEEAC is working

exercise on extended power outage

- ↳ military base meeting w/ energy mns.
- ↳ need coord w/ civil. side, WMATA, water utilities, locals, etc

• COG: Energy Assurance Planning Initiative (lost last year)

↳ should propose again this year

Lisa:

Renew, Effic, Petroleum reduction

looking @ Solar on landfill 4 acre

electric transit bus

efficiency program low & mod income - refrigerator replacement

Solarize

- energy audits

Green Power Communities

SECOND TABLE / CHARTER

PG county - four 2 solar sites, proposal
- bid by March 8

Leah: Wash. Auto Show
- Policy event next week
- Leah on panel on 28, Clean Cities Prog.
- AFV policy, regional opportunities

Rachel Healy: WMATA

- coop solar purchasing
- netzero = grant for ~~12~~ buses (electric convert) - ~~12~~ 12 buses
- purphouse = lighting efficiency contract
- water = save \$1.5 mil per year, funded thru savings
- treatment = EV charging - trying to get 5 thru MD at transit stations (30-50 locations)
- combined heat & power CHP for long term ROI, gas micro turbines, fuel cells

power outage

VA: AEE PAC last fall, supported McAuliffe

- ↳ trying to open up mkt
- ↳ Investment tax credit (bipartisan init)
- * lobby day 22nd

RTAP adopted, netzero panel @ CEPC wede 22