



PILOT PROJECTS GOVERNANCE BOARD

December 24, 2020

Ms. Brinda Westbrook – Sedgwick
Commission Secretary
Public service Commission of the District of Columbia
1325 G Street NW, Suite 800
Washington, DC 20005

Re: The Investigation into Modernizing the Energy Delivery System for Increased Sustainability, GD -2020-02-M

Dear Ms. Westbrook-Sedgwick,

Attached please find the Pilot Projects Governance Board's December meeting minutes. Should you have any questions regarding this filing, please contact me directly.

Best Regards,

Adrienne Mouton-Henderson

Pilot Projects Governance Board Secretary



Pilot Project Governance Board

Meeting No. 6

December 10, 2020

9:33 am

Meeting Minutes

Commission Facilitator called the Meeting to Order at 9:33 am.

List of Attendees:

Board Member Organizations in Attendance (Quorum present)

- Solar United Neighbors of DC – ***Present***
- DC Chapter of the Sierra Club – ***Present***
- DC Consumer Utility Board (“DC CUB”) – ***Present***
- Office of the People’s Counsel for the District of Columbia (“OPC”) – ***Present***
- Maryland-DC-Delaware-Virginia Solar Energy Industries Association (“MDV-SEIA”) – ***Present***
- District Department of Energy and Environment (DOEE) – ***Present***
- Greater Washington Urban League (“GWUL”) – ***Present***
- Apartment and Office Building Association of Metropolitan Washington (“AOBA”) – ***Present***
- Commission Staff – ***Present***

II. General Business

- a. Staff attorneys with the PSC’s Office of General Counsel - reminded the Board to be mindful of what is statutorily available, what regulatory structure allows, flagged DER aggregation and FERC Order 2222. PSC Staff also flagged microgrids and the ongoing PSC rulemaking.
- b. Several board members stated that this Board is an independent body and that any permanent and/or temporary barriers need to be looked at and not hinder progress. Additionally, it was stated that everything the Board is doing is new and untested and should be a pathway forward.
- c. GWUL notated that because there was an active grant agreement withdraw from scoring one of the concept papers assigned for the entity to review and will yield the review to the other members.

III. Team's Review of Concept Papers

1) Microgrids

a) Concept #2

- Company has been around since 2009
- ROI (Return on Investment) estimated 25 years
- Recommends a renewable (solar) microgrid project with storage
- Project purports to being 3.5MW and operational by 2021
- Potential to operate multiple solar and storage projects as a virtual power plant
- Maximize local companies and economic growth in the District

b) Concept #6

- Campus style microgrid (CHP, solar, storage) – spread across several buildings
- Interesting financing (PPP)
- Tests the “light touch” regulatory model, potential to export into surrounding community
- Similar to microgrids presently operating in the commercial space

c) Concept #8

- CREF (Community renewable energy facility) situation – Solar For All (SFA) already doing this
- Virtual CREF project and front of the meter, control switchgear
- Project seems like it would go ahead with or without funding

d) Concept #11

- LMI microgrid solar + storage
- Provision of ancillary services (voltage and frequency regulation)

e) Concept #16

- Solar storage with EV charging, campus style microgrid
- Not a new concept necessarily
- Includes workforce development component

f) Overall Microgrid Discussion

- Multi-customer / new regulatory framework
- Virtual power plant
- Dynamic load management and control
- Provision of ancillary services
- Reliability / Resiliency
- Workforce development
- Electrification
- Replicability / scalability

2) DER Management

a) Concept #4

- A lot of concepts thrown out – useful tool to aid the Board's process
- Pilot to run 3 years

- Details the feasibility of assembling demonstrated DER technologies under a coordinated management system to test interconnection with Pepco's grid management system
- Feasibility of DER management for providing grid services
- Some questions regarding the substantial load growth notated in the paper

b) Concept #9

- Create a DER ancillary service marketplace
- real-time AMI data access
- Administrative market platform
- Concerns raised about Pepco's willingness to play / whether program is premature at this juncture

c) Concept #15

- Management/dispatch of storage, building load management
- May want to have applicant do a presentation possibly
- High Performance Building HUB
- What is the learning we are trying to obtain here?
- Deep Energy Retrofit building profiles

d) Concept #19

- Grid software application, seeks to optimize integration of DER
- Streamlined interconnection
- Interesting concept
- Whether Pepco will play ball
- No costs put on proposal
- Well presented
- Believes it will be an effective pilot
- Two-year timeline

e) Overall DER Management Discussion

- Aggregation
- Interoperability / communications
- Distribution-level ancillary markets
- Real-time data access (both grid and customer side)
- Dynamic management of hosting capacity
- Pilot on specific grid segment
- Streamlined interconnection
- Potential collaboration: deep energy retrofits, high performance building hub

3) Concept #12

- Concept paper raises the question of how to create an incentive for single family SFA residential customers and non LMI customers
- Team that reviewed concept believe this is not the right avenue for this matter to be handled nor should the merger funds be used in such a manner

4) Concept #13

- Concept paper addresses net energy metering – DC already does this – not a new concept

5) Concept #14

- Funding for 12-week cybersecurity classes
- Board found that this concept does not specifically further grid modernization but did find that workforce development, internships, apprenticeships, etc. could be important for grid modernization pilots

IV. Disclosure Statements (Chair) – all statements have been received by PSC

V. Action Items & Deadlines

- Be on lookout for multiple concept paper emails with your assigned review team for the next meeting

VIII. Adjournment

Commission Chair adjourned the meeting at 1:00 pm
