

Minutes of the March 30, 2023 Interconnection Working Group (IWG) Meeting

Attendees:

DER Industry

<u>Name</u>	<u>Company</u>	<u>Name</u>	<u>Company</u>
Dhruv Patel	NYSEIA	Mark Coles	East Side Solar Holdings
Gregory Sachs	Empower Solar	Shirin Vora	Bluewave Solar
Steve Foley	Sunrise Power Solution	Catherine Schepp	CleanChoice Energy
Jonathan Demay	Bloom Energy	Dennis Brown	Summit Ridge Energy
Tania Jones	Convergent Energy and Power	Gurudatta Belavadi	Boreggo Solar
Jean Pierre Clejan	Green Logic		

PSEG LI

<u>Name</u>	<u>Company</u>	<u>Name</u>	<u>Company</u>
Scott Brown	PSEG LI	Amrit Singh	PSEG LI
Martin Weissman	PSEG LI	Evan Margolis	PSEG LI
Gregory Price	PSEG LI	Jalpa Patel	PSEG LI
Don Mathew	PSEG LI	Ian Jacobsen	PSEG LI
Nick Montanaro	PSEG LI	Yuri Fishman	PSEG LI
Anthony Gorgone	PSEG LI	Cameron Kemme	PSEG LI
Pete Davie	PSEG LI	Reigh Walling	PSEG LI Consultant
Alexandru	PSEG LI		
German Encalada	PSEG LI		
Jalpa Patel	PSEG LI		

DPS /LIPA

<u>Name</u>	<u>Company</u>
Pete Mladinich	LIPA
Jason Pause	DPS-LI

Introduction

Mr. Brown opened the meeting by welcoming everyone and conducting a roll call.

IWG Compliance Guidelines

Mr. Brown reviewed the Compliance Guidelines with participants, including expectations, procedures, policies, and topics to avoid which are stated in the compliance document.

1. 9:10 PSEG Long Island - Update on W-9 Requirements

Mr. Brown discussed updates on the W-9 form requirements after discussions with the tax department and counsel. PSEG Long Island will not require the W-9 form for existing customers. Any new customers will still need a W-9 at the time of billing; however, this will not hold up the review process for the initial application. Mr. Sachs asked for clarification on when the W-9 will apply. Mr. Mathew responded by clarifying that the W-9 will not hold up the review process for the initial application and new customers will need to provide the W-9 form.

2. 9:15 PSEG – Update on status of the common upgrade cost estimate categories

Mr. Brown discussed that PSEG Long Island, like other utilities, is aiming to provide cost estimate categories for common equipment upgrades on the PSEG Long Island website soon. Mr. Sachs asked if there is an exact date on when the cost estimates will be posted and if there is a goal to change the price annually to reflect market and inflation conditions. Mr. Brown responded that there is no exact date on when this information will be posted. Mr. Brown also added that PSEG Long Island will post on the IWG website shortly.

3. 9:25 Industry – Energy Storage System Core Deployment Principles

Mr. Sachs presented a document that goes over the next steps on ESS deployment based on core principles. The purpose of the document was to establish a high level thought process on what needs to be addressed regarding ESS deployment. The core principles Mr. Sachs discussed were developers having transparency of certain data sets, developers having the same visibility of information as PSEG Long Island on the hosting capacity map, and PSEG Long Island conducting CESIR studies that need to use multiple data sets that are not under worse case conditions. Furthermore, a “tailored approach” might be necessary for the CESIR studies in some applications to get the greatest benefit from the system unlike a generalized approach. Mr. Sachs also suggested having charging / discharging analysis and specifying minimum time of day and time of year on the CESIR report. Mr. Sachs commented that the CESIR studies should have time periods based on “market forces”.

Mr. Foley asked about the new time of use rate change and how it may affect the case.

Mr. Sachs continued by discussing phases such as the conclusions and limitations.

Phase 1 – What can we do today? This is more of a statistical analysis for off peak and peak for CESIR analysis.

Phase 2 – More conceptual.

Mr. Sachs asked how we prevent an ESS from accidentally charging or discharging. What equipment / devices would be needed and how would the contract be structured.

4. 10:10 PSEG - Hosting Capacity Update from December 2022

Mr. Singh presented a slide show summarizing the December 2022 hosting capacity results. The slide show outlines PSEG Long Island's ongoing initiative for pursuing a Department of Energy grant to un-bottle some of the hosting capacity identified in the study. This study consisted of 47 detailed circuits. Furthermore, as a part of the funding, the power grid study is presenting work at substations and cost-effective solutions. Mr. Patel asked a question on the terminology of non-capital and capital solutions. Mr. Singh clarified that non-capital solutions are solutions that do not require new field equipment purchases. For example, move a load from phase A to B. While capital solutions are new field equipment purchases.

Mr. Foley and Mr. Sachs asked a question about the feeder ID name discrepancy. Mr. Sachs and Mr. Foley added that the feeder ID presented on their applications have to be corrected to a new one based on PSEG Long Island comments. Mr. Singh responded by saying he will respond to Mr. Foley and Mr. Sachs on this question. Mr. Singh added that the real feeder ID is not provided due to security concerns.

5. 10:25 Industry – Supply Chain Constraint Impacts on queue

Mr. Sachs opened this topic by specifying that the SCADA routers from Cisco, as required by Verizon, will not be available until 2026. Mr. Sachs has clarified that this router is the only option that Verizon will approve. Mr. Sachs added that he is waiting to hear on other possible alternatives from PSEG Long Island or Verizon as this router is holding back some projects. Mr. Sachs proposed the possibility of having a conditional approval for projects that are having this issue. PSEG Long Island responded by assuring Mr. Sachs that they will look into this and review whether there are other router alternatives.

Mr. Patel commented that the switch gear and relay delays have delayed projects. Mr. Patel added due to the supply chain short falls, last year has been difficult. Mr. Patel proposed the possibility of PSEG Long Island providing a table that outlines the timeframes on arrivals for certain equipment as other utilities are provided this data.

6. 10:35 Industry – Flexible IX & DERMS

Mr. Sachs opens the topic by presenting a slideshow on a renewed proposal for Flex IX. The material that Mr. Sachs reviewed asks PSEG Long Island to select pilot projects with a "curtailment method" with proactive grid planning with a "business as usual" implementation. Mr. Sachs adds that the flexible interconnection can increase viable hosting between 50-100%. In addition, this will take into account new installation of equipment such as the Schweitzer relay. Mr. Sachs illustrated examples on a table as "endgame" vision where developer submits full application and who want to do Flexible IX option. Mr. Sachs comments that he hopes PSEG Long Island runs a pilot. He adds that it should be first come / first serve solution and it is better than having nothing.

7. 11:00 PSEG Response to Flexible IX Roadmap questions

Mr. Orellana presents a slideshow on the DER visibility project that goes over PSEG Long Island's efforts to provide distribution operation visibility on eMap to show existing DER. Mr. Orellana comments that more DER and DERMS features will be added. The basic DERMS features are going through functionality testing and are expected to go live in the last quarter of this year. Mr. Patel asked what SCADA type DERMS will be supporting. Mr. Orellana clarified to Mr. Patel that the DER being migrated to the DERMS platform will display the same SCADA (D-SCADA) data presently displayed in the EMS Transmission SCADA (TSCADA) system.

Mr. Orellana commented that the eMap's purpose is to provide situational awareness for the distribution operators. He added that the current project will provide the foundational features of DERMS and more DER functionality features will come in the future. Mr. Montanaro commented that PSEG Long Island does not have any pilot programs on flexible interconnection and is more focused on the expansion of the hosting capacity and strengthening the existing system.

8. 11:25 Industry to provide high level presentation on flexible ix topics

Mr. Sachs requested PSEG Long Island to review what other utilities have posted on their progressive stances for pilot programs.

9. 11:30 Open Items

Mr. Brown opened the meeting to any open items the participants wanted to discuss. Mr. Foley asked on an update on the portal and when the issues will be resolved. Mr. Brown responded by stating that the PSEG Long Island IT department is working on the issues and expected to be fixed shortly. However, Mr. Brown added, if users see any issues on the portal to send emails to him providing examples. Mr. Foley also provided a brief overview on action items. These actions include addressing the discrepancy in feeder ID names PSEG Long Island provides to developer, conditional approval for SCADA router, and a timeline on what other SCADA routers can be used.

10. 11:45 End