

**Minutes of the May 27, 2021 Interconnection Working Group (IWG) Meeting**

**Attendees:**

*DER Industry/DPS*

<b><u>Name</u></b>	<b><u>Company</u></b>	<b><u>Name</u></b>	<b><u>Company</u></b>
Danielle Shultz	NYSEIA	Gurudatta Belavadi	Boreggo Solar
Seneca Cornelius	Empower Solar	Josh Koppel	Boreggo Solar
Gregory Sachs	Empower Solar	Jonathan Calva	Boreggo Solar
Chuck Schwartz	Empower Solar	Frank Bruckner	Meltek Inc.
Tim Corrigan	Convergent Energy + Power	Jean Isobe	Meltek Inc.
Kyle Wallace	SunRun	Mark Bruckner	Meltek Inc.
Bill Feldmann	Empire Clean Energy Supply	Jeffrey Quackenbush	Integrated Storage Technologies
Priya Palanichamy Kala	Bloom Energy	Romer Beato	Enter Solar
Maria Rumsey	Bloom Energy	David Pollicino	Cameron Engineering
Dan Whitson	Edgewise Energy	Jessica Price	The Nature Conservancy
Steve Foley	Sunrise Power Solution	Jason Pause	DPS
Jason Slattery			

*PSEG LI/LIPA*

<b><u>Name</u></b>	<b><u>Company</u></b>	<b><u>Name</u></b>	<b><u>Company</u></b>
Don Mathew	PSEG LI	Amrit Singh	PSEG LI
Anie Philip	PSEG LI	Anthony Gorgone	PSEG LI
Robert Grassi	PSEG LI	Jalpa Patel	PSEG LI
Iram Iqbal	PSEG LI	Evan Margolis	PSEG LI
Louis Aguilar	PSEG LI	James Domozych	PSEG LI
Scott Brown	PSEG LI	Al-Amin Nizu	PSEG LI
Ali Akgul	PSEG LI	Mike Voltz	PSEG LI
Nicola Montanaro	PSEG LI	Curt Dahl	PSEG LI
Thomas Muratore	PSEG LI	Reigh Walling	PSEG LI Consultant
Pete Mladinich	LIPA	Mike Simione	LIPA
Justin Bell	LIPA		

## **Introduction**

Ms. Iqbal opened the meeting by welcoming everyone and conducted a roll call.

## **IWG Compliance Guidelines**

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

### **1. PSEG LI – Hosting Capacity Stage 2 Updates & Stage 3**

Mr. Singh gave Hosting Capacity Map presentation, which consisted of incoming Stage 3 updates, as well as a recap on enhancements already implemented to the Hosting Capacity Maps. Mr. Sachs and Mr. Singh discussed the difference between the ‘Max HC’ and ‘Ultimate Max’ values.

Mr. Bruckner asked a question about voltage regulators on the feeders/buses, as well as a question about voltage regulation on sub-stations. Mr. Singh clarified that bus voltages vary depending on the amount of capacitor banks on the circuit, 4 kV, the length of the circuit, etc.

Mr. Clejan asked if Max HC would change if Reclose Delay or 3V0 is added, to which Mr. Singh answered that those factors do not have a noticeable impact on Max HC. Mr. Sachs asked if all of the substation data in the system is used when doing the substation analysis outside of the EPRI tool, which Mr. Singh confirmed.

Mr. Singh concluded the presentation by recapping the previous slides, and expressed desire for feedback and suggestions from the DER industry. Mr. Sachs asked if there would be an option to download feeder/substation level data, to which Mr. Singh cited security concerns as a reason why PSEG Long Island would not be able to do that.

Mr. Belavadi mentioned that the feeder/substation ID’s seen on the HCM do not seem to correlate with Excel data published in the DPS database. Mr. Singh reiterated security concerns in regards to this issue, and offered further assistance through direct contact when needed. Mr. Sachs noted that many pending items are directly correlated with said security concerns, and Ms. Philip said that PSEG Long Island would consider those items for review.

### **2. PSEG LI - Timeline for UL-1741SB certification.**

Mr. Walling spoke about the UL-1741 approval process, and mentioned that the OEMs are a bit behind on getting their products certified. Mr. Walling said the date for when compliance is required would be delayed, in accordance with other utilities. Mr. Sachs asked to confirm that the tentative date was July 1, 2022, and Mr. Walling confirmed that to be the date chosen by the Joint Utilities. Mr. Sachs clarified that as of January 1, 2022, all interconnection applications have to include inverters that are UL-1741SB certified, and acknowledged there will be some initial overlap.

### **3. Industry – State of DER Dashboard Initiative**

Mr. Sachs presented the “State of Der Dashboard Initiative” and expressed the industry’s collective drive to add more renewables to the grid, while acknowledging limitations such as feeders with zero Hosting Capacity. Mr. Sachs pointed out that there is no accessible metric available to easily view and assess DER

as a whole in New York State, and suggested the creation of one through a collaborative effort. This collaborative initiative, referred to as the 'State of the DER Dashboard', would be a publically available resource used to track and assess the rate of change of DER in NYS over time. Mr. Singh asked if the presentation included transmission and distribution information, to which Mr. Sachs confirmed the presentation was only prepared regarding the distribution level. Mr. Singh asked what the next steps would be if the industry had this information, and Mr. Sachs said that, the information would have strategic influence on future DER efforts. Mr. Sachs also mentioned state-level goals to power various percentages of the grid using non-carbon based sources, suggesting that the dashboard information could help determine if these goals are feasible with the current infrastructure.

Mr. Mladinich asked about studies on solar panel production. Mr. Sachs said they are tracking a connected nameplate metric, and studying the accuracy of the 25-year degradation curve provided by manufacturers. Mr. Clejan added that there may be high degradation ratios, and that systems with proper ratios may get weaker over time. Mr. Mladinich suggested collecting additional data that would help determine the ideal time to resupply DER in regards to aging equipment.

Mr. Gorgone mentioned that systems are often limited by the inverters. Mr. Sachs agreed, and referred to this as 'clipping.' Mr. Sachs added that you may see 1:1 ratios with string inverter systems, but that is more common on the residential level. Mr. Dahl said that the output is a function of solar radiation and a few different variables. Ms. Philip expressed interest in hearing feedback to the initiative from other utilities as well.

#### **4. Nomination & Voting Process for Industry Lead & Co-Lead**

Mr. Sachs presented the idea of nominating/voting for a new Industry Lead, and possibly hiring someone full time to oversee the IWG, ITWG, and similar organizations, with himself becoming the alternate. Ms. Philip called for nominations/self-nominations to be submitted to the Interconnection Working Group email by July 9, and asked for submissions to include a biography of the person. Ms. Philip said the voting process would take place at the next IWG meeting in July.

Ms. Philip asked for any other questions or comments. Ms. Kala asked for the UL Certification acceptance timeline to be posted online, and Ms. Philip said that PSEG Long Island would post that information in a manner consistent with other utilities. Ms. Philip thanked everyone for attending, and adjourned the meeting.

#### **Meeting Adjourned**