

GOVERNMENT OF PUERTO RICO  
PUERTO RICO PUBLIC SERVICE REGULATORY BOARD  
PUERTO RICO ENERGY BUREAU

IN RE: INTERCONNECTION REGULATIONS

CASE NO.: NEPR-MI-2019-0009

SUBJECT: Rescheduling of March 11, 2015  
Smart Inverter Working Group Meeting and  
Agenda for Rescheduled Date

RESOLUTION

I. Rescheduling of March 11, 2025 Smart Inverter Working Group (SIWG) Meeting

The Energy Bureau of the Puerto Rico Service Regulatory Board ("Energy Bureau") reschedules the Smart Inverter Working Group meeting, originally listed for March 11, 2025, to April 2, 2025. This is the last, scheduled, SIWG meeting. Once this cycle concludes, the Energy Bureau will evaluate all submitted comments and make any determination to postpone or modify smart inverter settings based on the record. The SIWG schedule is revised as follows:

SMART INVERTER WORKING GROUP SCHEDULE	
Date	Topics, Activities
April 2, 2025	Compensation Structure for Grid Support Services
April 25, 2025	Filing of Written Comments <sup>1</sup>

II. April 2, 2025 SIWG Meeting Agenda

Time	Subject
10:00am	SIWG Welcome and Housekeeping
10:05am	<b>Overview of Grid Support Services</b> <ul style="list-style-type: none"><li>How does the operator ensure that the power quality of the delivered electricity is acceptable</li></ul> <b>Quantifying compensation for inverter-based-resources (IBR) grid support services – Considerations</b> <ul style="list-style-type: none"><li>Voltage and Frequency Support: Compensation can be based on how effectively the inverter supports voltage regulation (e.g., through reactive power injection) and</li></ul>

<sup>1</sup> The public and participants may submit written comments to the Energy Bureau as follows:

1. Include in their title the following "Comments on Smart Inverters March 26, 2025 Working Group Meeting, Case No. NEPR-MI-2019-0009";
2. Be addressed to the attention of Edison Avilés Deliz, Chairman;
3. Be filed:
  - a. Via electronic mail at [comentarios@jrsp.pr.gov](mailto:comentarios@jrsp.pr.gov);
  - b. Through the Energy Bureau's electronic filing tool at <https://radicacion.energia.pr.gov/login>;
  - c. Via postal mail addressed to  
Puerto Rico Energy Bureau's Clerk's Office  
World Plaza Building  
268 Muñoz Rivera AVE  
Suite 202  
San Juan, PR 00918-1925; or
  - d. In person at the Energy Bureau's Clerk's Office at  
World Plaza Building  
268 Muñoz Rivera AVE  
Suite 202  
San Juan, PR 00918-1925  
The hours of operation of the Clerk's Office are Monday through Friday from 7:30 a.m to 4:00 p.m., excluding holidays.



Time	Subject
	<p>frequency response (e.g., synthetic inertia or fast frequency response).</p> <ul style="list-style-type: none"><li>• Active and Reactive Power Compensation: Measurement of real power (kW) and reactive power (kVAR) provided during grid disturbances or normal operations.</li><li>• Response Time &amp; Accuracy: Faster and more precise responses to grid conditions (e.g., droop control, frequency-watt, and volt-var support) may be rewarded with higher compensation.</li><li>• Reliability &amp; Availability: Compensation might consider how often the inverter is available and operational to provide services.</li><li>• Grid Codes<ul style="list-style-type: none"><li>○ Some services may be required without compensation (e.g., basic power factor control).</li></ul></li><li>• Integrated Distribution Planning<ul style="list-style-type: none"><li>○ Third-party IBR grid-support, coordinated with the system operator, is the basis of integrated distribution planning and if adequately executed, can result in a more cost-effective solution when compared to other grid-support approaches that do not employ third-party facilities.</li></ul></li></ul>
11:35am	<p><b>Should prosumers be paid for IBR grid support services?</b></p> <ul style="list-style-type: none"><li>• How does this support displace grid support services currently provided by the utility?<ul style="list-style-type: none"><li>○ Grid Stability &amp; Resilience: Higher compensation may be justified for services that significantly enhance grid stability.</li><li>○ Congestion Management: Incentives for inverters to alleviate grid congestion.</li><li>○ Deferred Infrastructure Investment: Compensation models might reflect the value of reducing the need for traditional grid investments (e.g., new substations or transmission lines).</li></ul></li><li>• What prosumer IBR grid support services could qualify for compensation?</li><li>• Compensation Mechanisms<ul style="list-style-type: none"><li>○ Tariff-Based Compensation: Fixed payments based on predefined grid support tariffs.</li></ul></li><li>• 3<sup>rd</sup> Party DER Trustworthiness<ul style="list-style-type: none"><li>○ How to establish?</li><li>○ Measurement and Verification<ul style="list-style-type: none"><li>▪ Advanced Metering Infrastructure (AMI)</li></ul></li></ul></li></ul>
12:35pm	<p><b>Update on rollout of approved smart inverter functionality requirements</b></p> <ul style="list-style-type: none"><li>• Status on number of smart inverters interconnected since January 1, 2025</li><li>• Status on observed system impact<ul style="list-style-type: none"><li>○ Hosting Capacity (Primary/Secondary)<ul style="list-style-type: none"><li>▪ Volt-Var</li></ul></li><li>○ Bulk Electric System Stability<ul style="list-style-type: none"><li>▪ Voltage Ride Through</li><li>▪ Frequency Ride Through</li></ul></li></ul></li><li>• Status on validating compliance with smart inverter functionality requirements</li><li>• Status on adoption of EPRI Common File Format &amp; Validation Tool</li></ul>
1:05pm	Overview of written comments regarding High Voltage Management and development of Site-Specific Utility Required Settings Profile
1:20pm	Next Steps
1:30pm	END

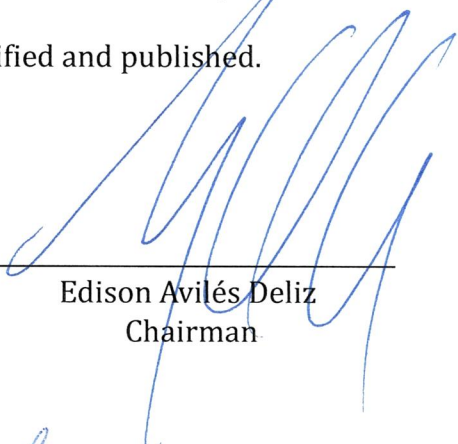




III. Stakeholder Participation

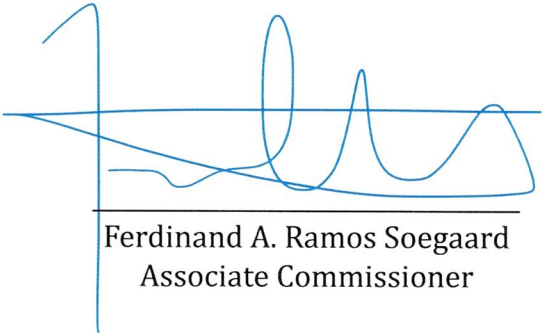
All persons interested in participating, must request access to participate on or before 2:00 p.m. of the day before the April 2, 2025 Working Group Meeting by (i) sending an email to [secretaria@jrsp.pr.gov](mailto:secretaria@jrsp.pr.gov), or (ii) contacting the Energy Bureau's Clerk at (787) 523- 62622.<sup>2</sup> A Microsoft TEAMS link will be emailed before the SIWG gathering. The Working Group Meeting will be held on the Microsoft Teams platform and will be streamed live in both English and Spanish through the Energy Bureau's YouTube channels. Both recordings will be made available to the public.

Be it notified and published.



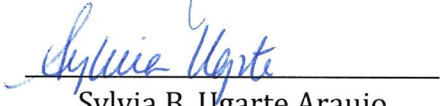
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Edison Avilés Deliz  
Chairman



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Ferdinand A. Ramos Soegaard  
Associate Commissioner



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Sylvia B. Ugarte Araujo  
Associate Commissioner



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Antonio Torres Miranda  
Associate Commissioner

CERTIFICATION

I certify that the majority of the members of the Puerto Rico Energy Bureau has so agreed on March 10, 2025. I also certify that on March 10, 2025 a copy of this Resolution and Order was notified by electronic mail to mvalle@gmlex.net; arivera@gmlex.net; Laura.rozas@us.dlapiper.com; agustin.irizarry@upr.edu; javrua@sesapr.org; hrivera@jrsp.pr.gov; contratistas@jrsp.pr.gov; aconer.pr@gmail.com; John.jordan@nationalpfg.com; pjcleanenergy@gmail.com; cfl@mcvpr.com; gcordero@crmjv.com; Steven.rymsha@sunrun.com; azayas@azeng.net; jberdner@enphaseenergy.com; markb@enphaseenergy.com; mrosenfeldt@enphaseenergy.com; gferrer@enphaseenergy.com; kkoch@tesla.com; Andrew.Cote@generac.com. I also certify that on March 10, 2025, I have proceeded with the filing of the Resolution and Order issued by the Puerto Rico Energy Bureau.

I sign this in San Juan, Puerto Rico, on March 10, 2025.



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Sonia Seda Gaztambide  
Clerk



<sup>2</sup> The hours of operation of the Clerk's Office are Monday through Friday from 7:30 a.m. to 4:00 p.m., excluding holidays.