

July 8, 2024

Via Electronic Filing

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, PA 17120

Re: Petition of PPL Electric Utilities Corporation for Approval of its Second Distributed
Energy Resources Management Plan
Docket No. P-2024-3049223
Protest

Dear Secretary Chiavetta:

Attached for electronic filing, please find the Protest by American Home Contractors, Inc., Enphase Energy, Inc., the Solar Energy Industries Association, SolarEdge Technologies, Inc., Sun Directed, Sunnova, Inc., Tesla, Inc. and Trinity Solar, LLC (collectively, the “Joint Solar Parties”) to PPL Electric Utilities’ Petition in this matter.

Copies have been served as shown on the attached Certificate of Service.

Respectfully submitted,



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Attachments

cc: Service List
Office of Administrative Law Judge

CERTIFICATE OF SERVICE

I hereby certify that I have this day served a true copy of the foregoing document upon the parties listed below via electronic mail, in accordance with the requirements of 52 Pa. Code § 154 (relating to service by a party):

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Dated this 8th day of July, 2024

/s/ Bernice I. Corman

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Petition of PPL Electric Utilities Corporation for :
Approval of its : Docket No. P-2024-3049223
Second Distributed Energy :
Resources Management Plan :

**PROTEST BY
AMERICAN HOME CONTRACTORS, INC., ENPHASE ENERGY, INC.,
THE SOLAR ENERGY INDUSTRIES ASSOCIATION,
SOLAREGE TECHNOLOGIES, INC., SUN DIRECTED, SUNNOVA, INC.,
TESLA, INC., and TRINITY SOLAR, LLC (“JOINT SOLAR PARTIES”)
TO
PETITION OF PPL ELECTRIC UTILITIES CORPORATION
FOR APPROVAL OF ITS
SECOND DISTRIBUTED ENERGY RESOURCES MANAGEMENT PLAN**

INTRODUCTION

1. Pursuant to Sections 5.51, 5.52 and 5.53 of the Pennsylvania Public Utility Commission’s (“Commission’s”) regulations, 52 Pa. Code §§ 5.51 – 5.53, American Home Contractors, Inc. (“AHC”), Enphase Energy, Inc. (“Enphase”), the Solar Energy Industries Association (“SEIA”), SolarEdge Technologies, Inc. (“SolarEdge”), Sun Directed, Sunnova, Inc. (“Sunnova”), Tesla, Inc. (“Tesla”), and Trinity Solar, LLC (“Trinity Solar”) (collectively, the “Joint Solar Parties,” “JSPs” or “Protestants”) hereby file this Protest to the Petition of PPL Electric Utilities Corporation (“PPL” or “the Company”) for approval of tariff modifications and other authorizations needed to implement its Second Distributed Energy Resources (“DER”) Management Plan (“Second DER Management Plan” or the “Plan”), filed in this docket (“Petition”).

2. PPL’s Petition seeks approval of proposed tariff modifications (the “Program”) that would allow PPL to monitor and directly control customers’ DERs, by requiring that customers [1] use only PPL-approved “smart inverters,” and [2] allow a PPL device to be installed in their inverter(s), if they wish to be granted permission to interconnect.
3. The Commonwealth’s electric distribution companies (“EDC”), such as PPL, are required to “file a tariff with the Commission that provides for net metering consistent with” Chapter 75 of the Commission’s regulations. 52 Pa. Code § 75.13(c).
4. An EDC and default service provider (“DSP”) “may not require additional equipment . . . or impose any other requirement” on a net metering customer-generator “unless the additional equipment . . . or other requirement is specifically authorized under this chapter or by order of the Commission.” 52 Pa. Code § 75.13(k).
5. PPL’s Petition states that “given the substantial benefits” of its Program, its proposed tariff modifications are reasonable and in the public interest and should be approved. Petition, III.C., p. 31, and *Id.*, ¶ 118.
6. As set forth herein, PPL has failed to satisfy its burden of showing that its Program is consistent with the Commission’s net metering regulations set forth in Chapter 75. To the contrary, PPL’s proposed Program would thwart Pennsylvania’s direction to the Commission to develop technical and net metering interconnection rules that are consistent within and outside of the Commonwealth.¹

¹ See Pennsylvania’s Alternative Energy Portfolio Standards Act, 73 P.S. §§ 1648.1 – 1648.8, § 1648.5 (“Interconnection standards for customer-generator facilities”), stating:

Excess generation from net-metered customer-generators shall receive full retail value for all energy produced on an annual basis. The commission shall develop technical and net metering interconnection rules for customer-generators intending to operate renewable onsite generators in parallel with the electric utility grid, consistent with rules defined in other states within the service region of the regional transmission organization that manages the transmission system in any part of the Commonwealth. The commission shall convene a stakeholder process to develop Statewide technical and net metering rules for customer-generators.

7. PPL has also failed to satisfy its burden of showing that its Program is reasonable and in the public interest, because:
 - a. PPL has failed to adequately support its claims that cost-savings and other benefits result from its monitoring and controlling customers' DERs, as opposed to resulting from other means, such as inverter autonomous grid support functions.
 - b. Even if PPL's Program does result in cost-savings or other benefits, PPL has failed to show that these outweigh the significant harms its Program has caused and will cause to customers, to the solar industry, and to the public interest.²
8. In support of their Protest to the Commission's approval of PPL's application, the Protestants state the following:

BACKGROUND

9. On May 24, 2019, PPL filed in Docket No. P-2019-3010128 a Petition for Approval of its DER Management Plan Pilot Program. The stated aim of PPL's 3-Year Pilot, which is still on-going (the Pilot is in Program Year 3), was to permit PPL to investigate methods to enhance the integration and management of the growing deployment of DERs, such as solar, on its grid by allowing it to monitor and control customer- and third-party owned and leased (collectively referred to as "customers") DER systems.
10. The Pilot required, as a condition of being granted approval to interconnect: [1] that customers install PPL-owned DER Management Devices³ in the customer's inverters; and (2) that customers use only those smart inverters PPL tested and approved, based on PPL's finding

² See Opinion and Order issued December 16, 2021 in *Pennsylvania Public Utility Commission Office of Consumer Advocate Office of Small Business Advocate Nationwide Energy Partners, LLC, Seam Ferris, Jan Wroman, Diane Buzard v. Duquesne Light Company*, Pa. PUC Docket No. R-2021-3024750, *et al.* (rejecting a proposed Tariff where the risks associated with mandating a program did not outweigh its proposed benefits).

³ PPL states: "[a] DER Management device is the communication medium between the DER inverters and [PPL]." Petition, ¶ 28. PPL further states: "Under the Second DER Management Plan, DER Management devices must be installed and connected to the local communication interface of the DER system, so that the Company can monitor and manage the DERs and take advantage of the DER's grid support functions." *Id.*

that the interfaces between PPL's and the customer's communications systems would allow PPL to monitor and directly manage the customers' inverters.

11. On December 17, 2020, the Commission issued an Order⁴ approving a unanimous settlement by the parties to Docket No. P-2019-3010128 (hereinafter "Settlement"), which, among other things, granted PPL's Petition and required that:

a. New DERs interconnecting with PPL's distribution system on or after January 1, 2021 use PPL-approved smart inverters meeting the applicable standards set forth in Rule 12 of PPL's tariff; and

b. PPL implement the Pilot, including that it report annually on:

i. The costs and benefits to distribution system operation and design of monitoring DERs through PPL-owned devices connected to customers' inverters, as compared with PPL's maintaining visibility into distribution system status through other means, such as automated meter reading equipment; and

ii. The costs and benefits to distribution system operation of active management of customers' DERs by PPL's DER Management Devices, as compared to the benefits available through the use of inverter autonomous grid support functions.

12. Paragraph 62 of the Settlement provided that within 60 days after the end of Program Year 2 of the Pilot, which concluded on March 21, 2024, PPL could file a petition to: (a) extend the Program and make changes to it "as the Company may request;" (b) continue installing its DER Management devices on new DERs in its service territory; and/or (c) authorize the

⁴ December, 2020 Order (hereinafter, "Order"), Docket No. P-2019-3010128.

Company to expand the reach of the Program such that the Company could remotely and actively manage (i) the DERs that were in the Pilot Program’s control groups, (ii) the DERs that have enrolled and will enroll in the Program, and (iii) any new DERs that will interconnect with the Company’s distribution system after the Pilot concludes (in May, 2025).

13. In its May, 2024 Petition, PPL proposes to (1) expand its Pilot by receiving approval for its Second DER Management Plan to now cover “all customer-owned and third party-owned, inverter-based DER system installations in its territory,” Petition ¶ 12 (emphasis added),⁵ including systems interconnected before the Pilot Program started on January 1, 2021, and inverter-based DERs interconnected after the Pilot Program, started without DER Management devices installed on them;⁶ (2) utilize the Volt/Watt functionality, with customer consent, when the interconnecting DER could create a localized high voltage issue on the distribution system at the time of interconnection which would not be resolved by the Volt/VAR or Constant Power Factor grid support functions; and (3) make the Pilot permanent. Petition, ¶ 44.

14. On May 24, 2024, the Commission via Secretarial Letter issued in this Docket established a deadline of July 8, 2024 for filing of formal protests, petitions to intervene and answers.

15. Simultaneously with their filing this Protest, the Protestants have filed a Petition to Intervene, and an Answer to PPL’s Petition. The Protestants incorporate their Petition to Intervene and Answer as if the contents of each were stated herein.

⁵ Provisions that limited the scope of Pilot Program requirements, such as the annual cap of 3,000 DER Management Devices, would be eliminated. Petition, ¶ 45.

⁶ In its Petition, n. 6, PPL states: “[C]ustomer-generates with these systems must submit a new interconnection application when they upgrade their system, install a new inverter on their system, or by March 22, 2040, whichever is earlier.

STANDING

16. American Home Contractors, Inc. (“AHC”) is a corporation organized under the laws of Delaware, with corporate headquarters located at 11820 W. Market Place, Fulton, MD 20759, and registered to do business in Pennsylvania. AHC’s mission is to accelerate the world’s transition to sustainable energy through the deployment of sustainable energy products such as solar roof, rooftop solar, and battery energy storage systems. After several years of business, AHC has ceased installing any battery storage solutions for customers, and largely reduced solar deployments, in PPL territory. AHC’s main offering is the Tesla Solar Roof, which under the current Pilot requirements is unable to be installed. In a pleading filed in P-2019-3010128, AHC estimated that as of February, 2024, the sales that did not go forward because of PPL’s Program would have added a total of 109.71 kW of solar energy in PPL territory, while AHC had seen a 1200% increase nationally, and nearly \$3,000,000.00 in sales from 2022 to 2023 in the rest of Pennsylvania, just for Tesla’s Solar Roof. The list of customers AHC has turned away has grown since then.
17. Enphase Energy, Inc. (“Enphase”) is a corporation organized under the laws of Delaware and registered to do business in Pennsylvania, with corporate headquarters located at 48281 Bayside Parkway, Fremont, CA 94538, and a purpose of advancing a sustainable future for all. Founded in 2006, Enphase is a global energy technology company and a market leading supplier of solar micro-inverters, battery energy storage, electric vehicle supply equipment, and home energy management systems that optimize the use of locally produced solar energy to power homes and provide grid services. Enphase has worked with PPL since the launch of the Pilot to integrate with the latter’s IEEE 2030.5 server, and has had numerous of its smart inverter products tested and approved for use in its Program.

It has been Enphase's experience that PPL's monitoring devices have interfered with Enphase's systems communications to the cloud, so have affected systems monitoring in Enphase's customers' app and on Enphase's dashboards. Enphase has expended significant resources working with PPL to seek to resolve these communications disruptions.

18. SEIA is a 501(c) non-profit trade association with a business address of 1425 K Street, N.W., Suite 1000, Washington, DC. Founded in 1974, SEIA is the national trade association for the solar and solar + storage industries, whose vision is to represent an industry that will be the single largest source of new energy generation over the next decade, and to grow as the national voice of a larger, more unified and diverse industry. In partnership with its 1,000 member companies, which include manufacturers; residential, community solar, commercial, and utility-scale solar developers; installers; construction firms; investment firms; and service providers, SEIA advocates in administrative and judicial settings and before federal and local agencies for policies that shape fair market rules that promote competition and the growth of reliable, low-cost solar power. SEIA has more than 30 member companies located in Pennsylvania, several of whom are located in PPL territory, with many more national firms also conducting business in the Commonwealth. SEIA is concerned with the impacts it, its members, and the solar community in general have observed to date with PPL's Pilot, and is concerned these will worsen if PPL's proposed expanded, permanent, Program is approved. SEIA is also concerned that approval of PPL's Program will result in an inconsistent patchwork of interconnection requirements both within Pennsylvania and nationally.

19. SolarEdge is a Delaware corporation with a business address of 700 E Tasman Drive, Milpitas, CA 95035. SolarEdge is also an inverter manufacturer, whose several models of inverters were also approved by PPL for use in PPL's Program. SolarEdge expended an enormous amount of resources ensuring its equipment could be integrated with PPL's systems, and continues to provide support to this day. SolarEdge recounts damage to its inverters following PPL's installation of its management devices therein. Additionally, SolarEdge has observed that PPL's selection of direct communications to the inverter prevents fair market competition with third party grid services providers.
20. Sun Directed is a corporation organized under the laws of Pennsylvania, with corporate headquarters at 2820 E. College Ave., Suite K, State College, PA 16801. Sun Directed employs 11. Sun Directed has been helping Pennsylvania residents and business realize energy independence since 2008 by providing them with reliable energy and finance solutions that reduce their energy expenses, slash their carbon footprints, and provide outage security. Since 2020, Sun Directed has had to deny providing solutions to commercial leads with single phase service, having found that PPL's Program requirements provide no viable cost-effective options for it to source single-phase inverters for projects for commercial customers.
21. Sunnova, Inc., an American residential and commercial solar energy company headquartered in Houston, TX and registered to do business in Pennsylvania, is an industry-leading adaptive energy services company focused on making clean energy more accessible, reliable and affordable for homeowners and businesses, and powering energy independence. Sunnova has 7,496 systems operating in PPL territory, with an additional 1,687 under construction. Sunnova's terms of service for both leased and financed

systems, as well as contracts for service, require consistent and uninterrupted communication with inverters and devices manufactured by certain of the Joint Solar Parties. The Pilot Program has demonstrated that PPL monitoring and control devices consistently interfere with necessary device communication. Sunover has observed that PPL's limits on eligible inverters has constrained and will further constrain its ability to provide its customers with solar + storage solutions.

22. Tesla, which is registered to do business in Pennsylvania, is a corporation organized under the laws of Delaware, with corporate headquarters at 1 Tesla Road, Austin, TX. Tesla's mission is to accelerate the world's transition to a sustainable energy economy through the manufacture and deployment of electric vehicles, electric vehicle charging stations, and sustainable energy products, such as rooftop solar, battery energy storage systems, and auxiliary inverters and products. As of July 18, 2023, Tesla had itself installed 537 Powerwall battery energy storage units in PPL territory. An additional 254 Powerwalls have been installed in PPL territory by third-party installers, as of December, 2023. It has been Tesla's experience that since the start of PPL's Pilot, in scores of multi-inverter Tesla solar systems installed in PPL territory, customers' communications have been fully or partially knocked offline due to the presence of PPL's DER Management Device. In all instances, the communications modules Tesla installed in its PPL-approved customers' inverters were either already installed, or recommended for use, by the manufacturers of said inverters.⁷ Communications problems caused by PPL's Management Device with

⁷ In an Opinion and Order issued on May 23, 2024 in Docket No. P-2019-3010128 ("2024 Order"), the Commission appears to have accepted PPL's argument that any problems with communications and functionality that Tesla or Tesla's customers experienced had occurred solely because Tesla had (inappropriately) inserted a particular communications module in PPL-approved inverters. *Id.*, p. 29. In fact, the manufacturers of the PPL-approved inverters installed by Tesla expressly called for use of such modules with their inverters, and/or shipped their inverters to Tesla for installation with the modules already installed in their inverters. The Protestants maintain that a Program

certain inverter and system combinations resulted in Tesla and its customers receiving numerous “false alarms” that indicated the customer’s solar system had stopped producing power, which in turn required numerous site visits and additional labor from Tesla. Due to the significant difficulties Tesla encountered with PPL’s Program, in the summer of 2023, Tesla ceased new direct installations of residential solar and battery storage equipment. However, Tesla has dedicated several hundred hours of staff time to, for example, seeking to restore customers’ disrupted communications. Further, as a result of failed communications hindering Tesla’s ability to calculate solar system exports on some system inverters, and after an additional expenditure of staff time, Tesla has forfeited collecting SREC credits, the rights to which it purchased from customers, amounting to thousands if not hundreds of thousands of dollars potentially lost if the hindrances persist over the life of the systems.

23. Trinity Solar, LLC (“Trinity”) is incorporated in New Jersey, headquartered at 2211 Allenwood Road, Wall, NJ 07719, and registered to do business in Pennsylvania. To date, Trinity Solar has installed more than 12,000 solar or solar + storage systems in Pennsylvania residences. Trinity reports the Pilot’s causing “installation delays, additional spending on labor including unnecessary site visits, expenses for additional project management and increased coordination efforts between PPL and [the installers’] team;” and that PPL’s limits on eligible smart inverters inflates the prices of inverters, causes delays in supply deliveries, delays on installations due to equipment availability, and increased costs associated with connecting the particular inverters, all of which costs are passed on to customers.

that provides no exit, including for entities who are spending significant resources complying with, not defying, Program requirements, is failing in execution.

24. In January, 2024, certain of the Protestants⁸ filed in Docket No. P-2019-3010128 a petition to either rescind the Pilot or to modify it (namely, by allowing them to Opt Out), and sought expedited review, on grounds they had suffered significant harm as a result of the Pilot, and would continue to do so if the Pilot continued as approved until it expires in May, 2025.
25. On May 23, 2024, the Commission denied that petition, chiefly on grounds that the Settlement called for a three-year Pilot,⁹ and that a “fully complete pilot with many participants” was required in order to determine if the Pilot “would meet its stated goals.”¹⁰ The Commission found also that those petitioners’ complaints -- with the requirement that a utility-owned device be installed on, and monitor and control the customer-owned inverter; and with inverter choices being confined to those PPL tested and approved as purportedly compatible with its device – were “not new,” and were “a tenet of the unanimous Settlement that was agreed to by the [other] Parties” that gave rise to the Pilot approved by the Commission,¹¹ so did not persuade the Commission to exercise its discretion to grant relief.
26. As the Pilot Program evaluated and negotiated by the parties to the Settlement was limited in scope and duration,¹² the Protestants’ protests in this docket are new, as they are being made with regard to a proposed Plan that is intended to be permanent, and to cover “all customer-owned and third party-owned, inverter-based DER system installations within its territory.”

⁸ SEIA, Tesla, AHC and other entities filed a Verified Petition for Rescission or Amendment of PPL Electric’s Distributed Energy Resources Management Pilot; and Request for Expedited Proceeding on January 18, 2024 in Docket No. P-2019-3010128.

⁹ 2024 Order, p. 26.

¹⁰ *Id.*, p. 30.

¹¹ *Id.*, p. 28.

¹² 2024 Order, p. 31.

27. Additionally, the Protestants’ protests are new as they are informed by and supported by the Protestants’ own experience being subject to Pilot requirements.
28. Finally, the Settlement itself contemplated the “relitigate[ion of] the merits of the DER Management Devices [and] the Pilot Program” “in the proceeding initiated by the Company’s petition to continue or adjust the pilot [p]rogram.”¹³
29. As installers, manufacturers of solar energy equipment, and/or grid service providers, and/or an association representing all the foregoing, the Protestants have standing as they or their members conduct or conducted business and sell products and services in PPL territory and elsewhere in Pennsylvania, and their and their members’ business interests and those of their customers have been and will be directly impacted by PPL’s Program.
30. The Protestants also have standing to protest. as they have sustained and are sustaining substantial harms on a daily basis as a result of the Pilot’s continuing unabated until May, 2025.

LEGAL STANDARD

31. PPL’s Petition cites as the legal standards governing this proceeding 52 Pa. Code §§ 5.41(a) - (c),¹⁴ 52 Pa. Code § 53.31,¹⁵ and 52 Pa. Code § 75.13(c) and (k),¹⁶ Petition, ¶¶ 6 – 10.
32. PPL’s Petition claims its proposed tariff modifications and commission authorizations meet the standards as they are reasonable and in the public interest.

PROTEST

¹³ November 17, 2020 Recommended Decision, Docket No. P-2019-3010128, p. 54.

¹⁴ 52 Pa. Code § 5.41 prescribes the procedural requirements for filing petitions.

¹⁵ 52 Pa. Code § 53.31 prescribes the notice requirements with which a public utility must comply when seeking to change an existing and duly established tariff.

¹⁶ 52 Pa. Code §§ 75.11 – 17 set forth the procedural and technical requirements of the Commonwealth’s Net Metering program.

33. The Protestants have preliminarily identified a non-exhaustive list of issues where PPL has failed to demonstrate its proposed Plan is reasonable and in the public interest, including but not limited to the following:

34. PPL has failed to support some of its claims of cost-savings and other benefits resulting from its Program.

a. For example, PPL has under-counted its own costs, including but not limited to costs associated with the hours spent coordinating installation and service visits with installers, and seeking to resolve disruptions to both its and customers' communications;

b. PPL has also failed to support its claims that cost-savings are attributable to its Program. For example: PPL estimates that the value of avoided truck rolls needed to respond to voltage violations is \$13.66 million.¹⁷ However, PPL offers no comparable calculation as to how many voltage violations and corresponding truck rolls are avoided by other methods, such as use of autonomous smart inverter settings.

35. PPL also failed to show it evaluated harms resulting from its requirement that the system owner install a utility-owned device, and/or that if it did evaluate these harms, that the harms are reasonable, or in the public interest. The harms PPL fails to account for include:¹⁸

¹⁷ PPL Electric Statement No. 3, Direct Testimony of Cody M. Davis (May 20, 2024), at 48: 6 - 20.

¹⁸ Harms experienced by customers, installers, equipment manufacturers, and the public, and harms to Pennsylvania's solar objectives, overlap.

- a. **Harms to customers**, including but not limited to the losses customers have sustained, without compensation, as a result of their having been deprived of the full use of the DERs in which they invested; increased project costs; reduced solar production; delays in scheduling servicing due to the need for coordination with PPL; and constraints on project size and type.
- b. **Harms to installers/service providers**, including but not limited to delays and cost increases per project; curtailment of lines of business otherwise pursued outside of PPL territory; constraints on project size and type; and harms to their relationships with customers, who are justifiably unhappy that the DERs they purchased aren't working as intended;
- c. **Harms to equipment manufacturers**, who have been challenged to have their products tested to meet PPL's bespoke Program requirements; whose products have been damaged by PPL's device; and whose lines of business have been impeded by PPL's control of customers' inverters;
- d. **Harms to the Commonwealth's clean energy and resiliency objectives**, as the Pilot has frustrated, and the proposed Plan will frustrate, sales of products that require equipment omitted from PPL's approved list, such as commercial with single phase service, the Tesla Solar Roof, DC-coupled residential solar-plus-storage systems such as the Tesla Powerwall 3, certain multi-inverter solar systems and large-scale installs, in conflict with the Alternative Energy Portfolio Standards Act's intent to develop alternative energy. The Program mandate that PPL have "visibility and management of [customer] generation interconnected with its distribution system" PPL ¶ 17, could make it difficult, or even impossible, for third

party aggregators to aggregate customer DERs, frustrating the ability of the Commonwealth to implement FERC's Order No. 2222¹⁹ requirement that regional transmission organizations, including PJM Interconnection, LLC, allow aggregations of DERs to participate in PJM wholesale markets so that the DERs may provide all the services they are technically capable of providing;²⁰ and

- e. **Harms to the public interest**, including but not limited to: the costs and benefits of utility management and control of customer equipment, as compared with other non-intrusive methods used in jurisdictions with far higher solar penetration than in Pennsylvania; the impacts in Pennsylvania and beyond of creating an inconsistent patchwork of interconnection requirements; the impacts in Pennsylvania of creating a bespoke set of interconnection requirements outside of rule-making processes; the impacts of PPL's control of customer DERs on PURPA's mandate that utilities allow customers to self-generate electricity and to be compensated for it;²¹ the impacts on innovation, of constraining equipment use to that allowed by PPL; and the impacts on competition of constraining equipment use to that allowed by PPL, and of limiting provision of services to only those provided by PPL.

15. The Protestants reserve their right to amend their list of issues, including by adding to or deleting issues based upon their further review of PPL's Petition, PPL's 2nd Annual Report,

¹⁹ *Participation of Distributed Energy Res. Aggregation in Mkts. Operated by Reg'k Transmission Orgs. & Indep. Sys. Operators*, Order No. 2222, 172 FERC P 61,247 (2020), *order on reh'g*, Order No. 2222-A, 174 FERC P 61,197, *order on reh'g*, Order No. 2222-B, 175 FERC P 61,227 (2021).

²⁰ See the Commission's February 22, 2024 Advance Notice of Proposed Rulemaking Order, issued in L-2023-3044115.

²¹ Public Utility Regulatory Policies Act of 1978 ("PURPA") Section 210(m), 16 U.S.C. § 824a-3(a).

responses to discovery requests, public comments, and/or review by experts the Protestants may consult if admitted into this proceeding.

CONCLUSION

The Protestants hereby respectfully request that the Commission deny PPL's Petition; conduct hearings on the matter as necessary; and grant any other relief that is deemed to be reasonable and appropriate under the circumstances, including but not limited to issuing a case management order that allows for an early decision on expedited relief from the Pilot during the pendency of this proceeding on PPL's proposed permanent Program.

Respectfully submitted,

America Home Contractors, Inc.
Enphase Energy, Inc.
The Solar Energy Industries Association
SolarEdge Technologies, Inc.
Sun Directed
Sunnova, Inc.
Tesla, Inc. and
Trinity Solar, LLC

By their Attorney:



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Dated: July 8, 2024

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Petition of PPL Electric Utilities Corporation for :
Approval of its : Docket No. P-2024-3049223
Second Distributed Energy :
Resources Management Plan :

VERIFICATION

I, NICOLAS ZAVALA, being the Director of Operations at American Home Contractors (“AHC”), hereby state that the facts set forth in the Joint Solar Parties’ Protest pertaining to AHC are true and correct (or are true and correct to the best of my knowledge, information and belief) and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

Date: July 8, 2024


Nicolas Zavala

Verification on behalf of Enphase Energy, Inc.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Petition of PPL Electric Utilities Corporation for	:	
Approval of its	:	Docket No. P-2024-3049223
Second Distributed Energy	:	
Resources Management Plan	:	

VERIFICATION

I, Marc Monbouquette, being Senior Manager of Policy and Government Affairs for Enphase Energy, Inc., hereby state that the facts set forth in the Joint Solar Parties' Protest pertaining to Enphase Energy, Inc. are true and correct (or are true and correct to the best of my knowledge, information and belief) and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

DATED: July 8, 2024



Enphase Energy, Inc.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Petition of PPL Electric Utilities Corporation for :
Approval of its : Docket No. P-2024-3049223
Second Distributed Energy :
Resources Management Plan :

VERIFICATION

I, Gizelle Wray, being the Vice President and General Counsel of the Solar Energy Industries Association, hereby state that the facts set forth in the Joint Solar Parties' Protest pertaining to the Solar Energy Industries Association on its own behalf and on behalf of its members, are true and correct (or are true and correct to the best of my knowledge, information and belief) and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

DATED: July 8, 2024



**Gizelle Wray
Vice President and General Counsel
Solar Energy Industries Association**

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Petition of PPL Electric Utilities Corporation	for	:	
Approval of its	:	:	Docket No. P-2024-3049223
Second Distributed Energy	:	:	
Resources Management Plan	:	:	

VERIFICATION

I, MICHAEL J. SHADOW, being the Chief Executive Officer at Sun Directed, hereby state that the facts set forth in the Joint Solar Parties' Protest pertaining to Sun Directed are true and correct (or are true and correct to the best of my knowledge, information and belief) and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

DATED: July 8, 2024



Sun Directed

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Petition of PPL Electric Utilities Corporation for :
Approval of its :
Second Distributed Energy :
Resources Management Plan :

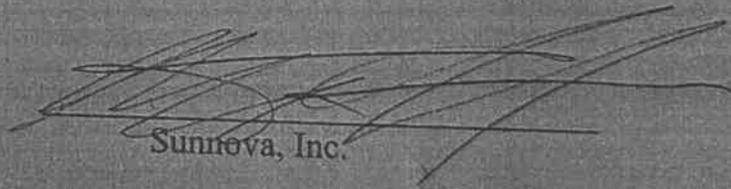
Docket No. P-2024-3049223

VERIFICATION

I, _____, being the _____,

hereby state that the facts set forth in the Joint Solar Parties' Protest to Intervene pertaining to Sunnova, Inc. are true and correct (or are true and correct to the best of my knowledge, information and belief) and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

DATED: July 8, 2024


Sunnova, Inc.

Verification of Tesla, Inc.

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Petition of PPL Electric Utilities Corporation for	:	
Approval of its	:	Docket No. P-2024-3049223
Second Distributed Energy	:	
Resources Management Plan	:	

VERIFICATION

I, JORDAN GRAHAM, being a Senior Energy Policy Advisor at Tesla, Inc. (“Tesla, Inc.”), hereby state that the facts set forth in the Joint Solar Parties’ Protest pertaining to Tesla Directed are true and correct (or are true and correct to the best of my knowledge, information and belief) and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).



Date: July 8, 2024

Jordan Graham
Tesla, Inc.

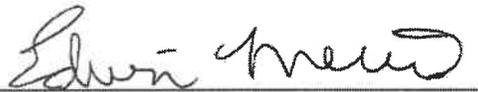
**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Petition of PPL Electric Utilities Corporation for	:	
Approval of its	:	Docket No. P-2024-3049223
Second Distributed Energy	:	
Resources Management Plan	:	

VERIFICATION

I, Edwin Merrick being the Corporate Vice President, hereby state that the facts set forth in the Joint Solar Parties' Protest pertaining to Trinity Solar, LLC. are true and correct (or are true and correct to the best of my knowledge, information and belief) and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

DATED: July 8, 2024



Trinity Solar, LLC.