



Agenda Date: 2/19/20
Agenda Item: 2G

**STATE OF NEW JERSEY
Board of Public Utilities
44 South Clinton Avenue, 9th Floor
Post Office Box 350
Trenton, New Jersey 08625-0350
www.nj.gov/bpu/**

DIVISION OF ENERGY
AND CLEAN ENERGY

IN THE MATTER OF THE PETITION OF PUBLIC)
SERVICE ELECTRIC AND GAS COMPANY FOR)
APPROVAL OF ITS CLEAN ENERGY FUTURE-)
ENERGY EFFICIENCY (“CEF-EE”) PROGRAM ON A)
REGULATED BASIS) DOCKET NOS. GO18101112
and EO18101113

Parties of Record:

Stefanie A. Brand, Esq., Director, New Jersey Division of Rate Counsel
Matthew M. Weissman, Esq., PSEG Services Corporation
Daniel Greenhouse, Esq. and William D. Bittinger, Esq., Eastern Environmental Law Center
Erin Cosgrove, Esq., Keystone Energy Efficiency Alliance n/k/a Energy Efficiency Alliance of New Jersey
Steven S. Goldenberg, Esq., Giordano, Halleran and Ciesla, P.C. for New Jersey Large Energy Users Coalition
Christopher E. Torkelson, Esq., Eckert Seamans Cherin and Mellott, LLC for Market Participants

BY THE BOARD:

On October 11, 2018, Public Service Electric and Gas Company (“PSE&G” or “Company”) filed a petition with the New Jersey Board of Public Utilities (“Board” or “BPU”) requesting approval of its Clean Energy Future - Energy Efficiency Program (“CEF-EE”). By this Order, the Board considers a stipulation of settlement (“Stipulation”) executed by PSE&G, Board Staff (“Staff”), the New Jersey Division of Rate Counsel (“Rate Counsel”), the Eastern Environmental Law Center (“EELC”), the Keystone Energy Efficiency Alliance n/k/a Energy Efficiency Alliance of New Jersey (“EEANJ”), and the New Jersey Large Energy Users Coalition (“NJLEUC”) (collectively, “Signatory Parties”) that addresses several issues in this matter.

For the reasons noted herein, the Board authorizes the Company to continue and extend five (5) of its current PSE&G Energy Efficiency 2017 (“EE 2017”) Program offerings under the terms set forth herein and to recover the incremental costs associated with the extended programs utilizing the existing cost recovery and rate design methodology for the EE 2017 Program.

BACKGROUND

On January 13, 2008, L. 2007, c. 340 ("RGGI Act") was signed into law based on the New Jersey Legislature's findings that energy efficiency ("EE") and conservation measures must be essential elements of the state's energy future and that greater reliance on EE and conservation will provide significant benefits to the citizens of New Jersey. The Legislature also found that public utility involvement and competition in the conservation and EE industries are essential to maximize efficiencies. N.J.S.A. 26:2C-45.

Pursuant to Section 13 of the RGGI Act, codified as N.J.S.A. 48:3-98.1(a)(1), an electric or gas public utility may, among other things, provide and invest in EE and conservation programs in its service territory on a regulated basis. Such investment in EE and conservation programs may be eligible for rate treatment approved by the Board, including a return on equity, or other incentives or rate mechanisms that decouple utility revenue from sales of electricity and gas. N.J.S.A. 48:3-98.1(b). Ratemaking treatment may include placing appropriate technology and program cost investments in the utility's rate base, or recovering the utility's technology and program costs through another ratemaking methodology approved by the Board. An electric or gas utility seeking cost recovery for any EE and conservation programs pursuant to N.J.S.A. 48:3-98.1 must file a petition with the Board.

On May 23, 2018, Governor Murphy signed L. 2018, c. 17, codified at N.J.S.A. 48:3-51 to -87, into law ("Clean Energy Act"), effective immediately. Among other items, the Clean Energy Act mandated that the Board require each electric public utility "to achieve annual reductions in the use of electricity of two percent of the average annual usage in the prior three years within five years of implementation of its electric energy efficiency program" and each gas public utility "to achieve annual reductions in the use of natural gas of 0.75 percent of the average annual usage in the prior three years within five years of implementation of its gas energy efficiency program." N.J.S.A. 48:3-87.9(a). The Clean Energy Act states that each utility shall file an annual petition to demonstrate compliance with the EE and peak demand programs required by the Clean Energy Act, compliance with targets established pursuant to the Act, and for cost recovery of the programs. N.J.S.A. 48:3-87.9(e)(1).

Procedural History

On December 16, 2008, the Board issued an Order authorizing PSE&G to implement its Carbon Abatement Program, which included five (5) sub-programs: (1) Residential Whole House Efficiency; (2) Residential Programmable Thermostat Installation; (3) Small Business Direct Install; (4) Large Business Best Practices and Technology Demonstration Pilot; and (5) Hospital Efficiency.¹

On July 16, 2009, the Board issued an Order authorizing PSE&G to implement eight (8) EE sub-programs as part of its Energy Efficiency Economic Stimulus Program ("EEE Program"): (1) Residential Whole House Efficiency Sub-Program; (2) Residential Multi-Family Housing Sub-Program; (3) Small Business Direct Install Sub-Program; (4) Municipal/Local/State Government Direct Install Sub-Program; (5) Hospital Efficiency Sub-Program; (6) Data Center Efficiency Sub-

¹ In re the Petition of Public Service Electric and Gas Company Offering a Carbon Abatement Program in Its Service Territory on a Regulated Basis and Associated Cost Recovery Mechanism Pursuant to N.J.S.A. 48:3-98.1, BPU Docket No. EO08060426 (December 16, 2008).

Program; (7) Building Commissioning/O&M Sub-Program; and (8) Technology Demonstration Sub-Program.²

By Order dated July 14, 2011, the Board authorized PSE&G to extend three (3) of its eight (8) sub-programs: (1) Residential Multi-Family Housing; (2) Municipal/Local/State Government Direct Install; and (3) Hospital Efficiency (“EEE Extension Sub-Programs”).³ On April 16, 2015 (“April 2015 Order”), the Board authorized PSE&G to further extend the three (3) sub-programs approved in the July 2011 Order (“EEE Extension II”).⁴

By Order dated August 23, 2017, in its approval of the Company’s Energy Efficiency 2017 Program (“EE 2017 Program”), the Board authorized PSE&G to extend the EEE Extension Sub-Programs for two (2) years.⁵ The Board further authorized the Company to implement a Smart Thermostat Sub-Program and a Residential Data Analytics Smart Pilot Sub-Program. The Company stipulated that it would terminate the Direct Install Sub-Program at the end of the two (2)-year program term.

October 2018 Filing

On May 3, 2018, PSE&G met with Staff and Rate Counsel for a pre-filing meeting, as required by the May 2008 Order, to discuss the Company’s potential filings. On September 26, 2018, PSE&G filed for approval of its CEF-EE Program along with its Clean Energy Future - Electric Vehicle and Energy Storage (“CEF-EVES”) and Clean Energy Future - Energy Cloud (“CEF-EC”) Programs. Staff requested that PSE&G file the three (3) programs in separate petitions.

On October 11, 2018, PSE&G filed the instant petition with the Board, which addressed only the CEF-EE Program request. By way of a letter dated November 14, 2018 (“Deficiency Letter”), Staff informed the Company that it found the CEF-EE petition to be administratively deficient with respect to the minimum filing requirements for EE, renewable energy, and conservation programs, as set forth in the Board’s May 12, 2008 Order and amended through an Order issued on October 20, 2017.⁶ In response to Staff’s Deficiency Letter, the Company filed supplemental information on January 7, 2019. On January 9, 2019, Staff advised PSE&G that the CEF-EE petition was administratively complete as of January 7, 2019.

² In re the Petition of Public Service Electric and Gas Company Offering an Energy Efficiency Economic Stimulus Program in Its Service Territory on a Regulated Basis and Associated Cost Recovery Mechanism Pursuant to N.J.S.A. 48:3-98.1, BPU Docket No. EO09010058 (July 16, 2009).

³ In re the Petition of Public Service Electric and Gas Company for an Extension of Three Sub-Components of Its Energy Efficiency Economic Stimulus Program in Its Service Territory on a Regulated Basis and Associated Cost Recovery and for Changes in the Tariff for Electric Service, B.P.U.N.J. No. 15 Electric and the Tariff for Gas Service, B.P.U.N.J. No. 15 Gas, Pursuant to N.J.S.A. 48:2-21, 48:2-21.1, and N.J.S.A. 48:3-98.1, BPU Docket No. EO11010030 (July 14, 2011).

⁴ In re the Petition of Public Service Electric and Gas Company to Continue Its Energy Efficiency Economic Extension Program on a Regulated Basis (“EEE Extension II”), BPU Docket No. EO14080897 (April 16, 2015).

⁵ In re the Petition of Public Service Electric and Gas Company for Approval of its Energy Efficiency 2017 Program and Recovery of Associated Costs (“EE 2017 Program”), BPU Docket No. EO17030196 (August 23, 2017).

⁶ In re Electric Public Utilities and Gas Public Utilities Offering Energy Efficiency and Conservation Programs, Investing in Class I Renewable Energy Resources, and Offering Class I Renewable Energy Programs in their Respective Service Territories on a Regulated Basis Pursuant to N.J.S.A. 48:3-98.1 – Minimum Filing Requirements, BPU Docket No. QO17091004 (October 20, 2017).

In the CEF-EE filing, the Company sought approval to implement 22 sub-programs, including seven (7) residential sub-programs, seven (7) commercial and industrial (“C&I”) sub-programs, and eight (8) pilot sub-programs (collectively, “2018 EE Programs”). The CEF-EE residential sub-programs would, among other initiatives, promote the purchase and installation of high-efficiency appliances through rebates and on-bill incentives; provide customers with energy audits and installation of EE measures; educate residential builders and developers on energy efficient home design and construction; and educate kindergarten through 12th grade students on EE. The CEF-EE C&I sub-programs would, among other activities, promote the installation of energy efficient equipment; advance efficient design and equipment installation for new buildings; optimize energy consumption in existing buildings; and upgrade all of PSE&G’s existing high-pressure sodium cobra head streetlights to more efficient light emitting diode (“LED”) streetlights. Lastly, the CEF-EE pilot sub-programs would consist of PSE&G implementing and managing select, highly advanced approaches to EE that, after the conclusion of the pilot phase, might support future EE programs in New Jersey. The total proposed investment for the 2018 EE Programs was approximately \$2.8 billion, including \$2.5 billion for investment and approximately \$283 million in administrative costs over the proposed six (6) year term of the program, with a proposed 15 year amortization period for residential and C&I program investments. The proposed 2018 EE Programs would include \$86.2 million for information technology (“IT”) build investments and \$28.9 million for IT run costs. PSE&G proposed to recover costs associated with the 2018 EE Programs via a new CEF-EE Program component (“CEF-EEC”) of the Company’s electric and gas Green Programs Recovery Charge (“GPRC”), which would be filed annually after the proposed initial period and which the Company proposed to begin upon Board approval of the CEF-EE Program. PSE&G proposed to earn a return on its net investment based on its most recent weighted average cost of capital (“WACC”). In addition, the Company requested Board approval of a decoupling mechanism for recovering lost revenues, the Green Enabling Mechanism (“GEM”). The GEM would provide for the recovery or refund of the difference between actual revenue and the level of “allowed” revenue per customer established in the most recently completed base rate case. Under the CEF-EE program proposal, following a one (1)-year transition period, PSE&G would become the exclusive provider of Board-regulated EE programs in its service territory, with the New Jersey Division of Clean Energy (“DCE”) providing oversight, standard setting, and policymaking after the transition.

By Order dated October 29, 2018, the Board designated Commissioner Dianne Solomon as Presiding Commissioner, authorized to rule on all motions that arise during the pendency of the CEF-EE proceeding and modify any schedules that may be set as necessary to secure a just and expeditious determination of the issues.⁷ The Board directed that any entities seeking to intervene or participate in this matter file the appropriate application with the Board by November 16, 2018. Moreover, to enable the Board to effectively and efficiently carry out its mandate under N.J.S.A. 48:3-98.1 and to allow for development of a complete record, the Board authorized Commissioner Solomon to render decisions on stipulations, pursuant to N.J.S.A. 48:2-21.3, extending the 180-day review period, if submitted, provided that the stipulation extending the time period is executed by all parties to the proceeding. The authority so delegated was limited to extensions that do not collectively exceed 180 days, with any further request for extensions to be directed to the Board.

By November 16, 2018, nine (9) entities filed to intervene, and six (6) entities filed to participate. Specifically, New Jersey Natural Gas Company; NJLEUC; Tendril Networks, Inc. (“Tendril”); Direct Energy, representing five (5) affiliated third party energy supplier companies, including

⁷ In re the Petition of Public Service Electric and Gas Company for Approval of Its Clean Energy Future – Energy Efficiency (“CEF-EE”) Program on a Regulated Basis, BPU Docket Nos. GO18101112 and EO18101113 (October 29, 2018).

Direct Energy Business, LLC, Direct Energy Business Marketing, LLC, Direct Energy Services, LLC, Gateway Energy Services Corporation, NJR Retail Services Company, Centrica Business Solutions, NRG Energy, Inc. (“NRG”) and Just Energy Group, Inc. (“Just Energy”) (collectively, “Market Participants”)⁸; EELC, on behalf of Environment New Jersey, Sierra Club, Environmental Defense Fund, New Jersey League of Conservation Voters, and Natural Resources Defense Council; Enel X North America, Inc. (“Enel X”); KEEA; MaGrann Associates; and Sunrun, Inc. (“Sunrun”) moved to intervene. Atlantic City Electric Company (“ACE”); Jersey Central Power & Light Company (“JCP&L”); Rockland Electric Company (“RECO”); Google, LLC (“Google”); Lime Energy Co. (“Lime Energy”); and Signify n/k/a Uplight (formerly Philips Lighting North America Corporation) moved to participate.

Commissioner Solomon issued a Prehearing Order on January 22, 2019 (“Prehearing Order”) that established the issues to be determined by the Board, set forth a procedural schedule, granted intervener status to the NJLEUC and the EELC, and granted participant status to the remaining movants, with the exception of KEEA.⁹

On January 29, 2019, Sunrun moved for reconsideration of the Prehearing Order insofar as it denied Sunrun intervener status. On the same date, the Market Participants moved for interlocutory review of the Prehearing Order insofar as it denied the Market Participants intervener status. Both entities argued that their interests as competitors in the EE field could only be adequately represented by themselves. On February 1 and February 8, 2019, PSE&G filed opposition to the Market Participants’ motion and to Sunrun’s motion, respectively.

On February 5, 2019, Sunrun requested that the Board consider its motion for reconsideration as a motion for interlocutory review.

On February 8, 2019, KEEA advised Staff that, as of that date, it was represented by an attorney licensed to practice in New Jersey.

On February 27, 2019, the Board issued an Order denying the motions of the Market Participants and Sunrun and granting KEEA’s motion to intervene.¹⁰

On March 8, 2019, the Market Participants filed for reconsideration of the Board’s February 27, 2019 Order insofar as it granted the Market Participants’ motion for interlocutory review and affirmed the Prehearing Order, which denied the Market Participants’ motion to intervene and instead granted the Market Participants participant status. The Market Participants set forth several additional reasons and arguments for the Board to consider in support of their intervention. On March 18, 2019, PSE&G filed its opposition to the motion. On March 25, 2019, the Market Participants filed a letter in response to PSE&G’s opposition. On April 18, 2019, the Board authorized a Secretary’s Letter advising the parties that, pursuant to N.J.A.C. 14:1-8.7, the Board would take additional time to consider the motion.

⁸ On November 16, 2018, Direct Energy and Centrica Business Solutions filed a motion to intervene. On December 6, 2018, Direct Energy filed a supplemental motion that joined NRG and Just Energy in the original request to intervene on the same grounds as the original moving parties.

⁹ In re the Petition of Public Service Electric and Gas Company for Approval of Its Clean Energy Future – Energy Efficiency (“CEF-EE”) Program on a Regulated Basis, BPU Docket Nos. GO18101112 and EO18101113 (January 22, 2019).

¹⁰ In re the Petition of Public Service Electric & Gas Company for Approval of Its Clean Energy Future – Energy Efficiency (“CEF-EE”) Program on a Regulated Basis, BPU Docket Nos. GO18101112 and EO18101113 (February 27, 2019).

Following appropriate notice, six (6) public hearings on the Company's petition were held on the following dates in PSE&G's service territory: two (2) hearings on March 13, 2019 in New Brunswick, two (2) hearings on March 18, 2019 in Mount Holly, and two (2) hearings on March 21, 2019 in Hackensack.

Rate Counsel, Staff, and the EELC served approximately 235 discovery questions, to which the Company responded. Discovery conferences were held on March 6 and March 14, 2019.

With its petition, PSE&G filed the direct testimonies of Ms. Karen Reif, PSE&G Vice President, Renewables and Energy Solutions; Mr. Steven Swetz, PSE&G Senior Director, Corporate Rates and Revenue Requirements; and Daniel Hansen, PhD, Vice President, Christensen Associates Energy Consulting, LLC. PSE&G's Supplemental Filing on January 4, 2019 included the supplemental direct testimony of Ms. Reif.

On March 22, 2019, pursuant to the schedule set forth in the Prehearing Order, Rate Counsel filed the direct testimonies of Mr. Dante Mugrace, Senior Consultant, PCMG and Associates; David E. Dismukes, PhD, Consulting Economist, Acadian Consulting Group, LLC; and Ezra Hausman, PhD, President, Ezra Hausman Consulting. The EELC filed the direct testimony of Ms. Amanda Levin.

The Parties participated in settlement conferences on March 25 and April 9, 2019.

On April 15, 2019, PSE&G filed the rebuttal testimony of Ms. Reif, Mr. Swetz, and Dr. Hansen, as well as the rebuttal testimony of a new witness, Mr. Isaac Gabel-Frank. Rate Counsel filed the rebuttal testimony of Dr. Dismukes, and EELC filed the rebuttal testimony of Ms. Levin.

Evidentiary hearings were held on May 1 and 2, 2019 at the Office of Administrative Law in Mercerville, New Jersey, before Commissioner Solomon. The parties introduced their respective pre-filed testimonies and exhibits, all discovery responses were moved into evidence, and, in accordance with the Prehearing Order, Rate Counsel witnesses Hausman, Mugrace, and Dismukes and EELC witness Levin presented oral sur-rebuttal testimony, and witnesses were cross-examined.

By May 17, 2019, initial briefs were submitted by the following parties and participants: PSE&G, Rate Counsel, NJLEUC, EELC, Enel X, ACE, the Market Participants, Google, Lime Energy, Signify, Sunrun, Tendril, and Staff. On May 29, 2019, reply briefs were submitted by the following parties and participants: PSE&G, Rate Counsel, EELC, Google, and Sunrun.

The Parties participated in additional settlement discussions on June 18 and July 15, 2019.

On June 19, 2019, the Parties entered into a stipulation to extend the review period to August 19, 2019 to allow more time for review of the proposed CEF-EE program by the Board. On June 27, 2019, Commissioner Solomon issued an Order adopting the stipulation and extending the review period to August 19, 2019.¹¹

¹¹ In the Matter of the Petition of Public Service Electric and Gas Company for Approval of Its Clean Energy Future – Energy Efficiency (“CEF-EE”) Program on a Regulated Basis, BPU Docket Nos. GO18101112 and EO18101113 (June 27, 2019).

On August 6, 2019, the Parties entered into a stipulation to further extend the review period to allow more time for settlement discussions. On August 12, 2019, Commissioner Solomon issued an Order adopting the stipulation and extending the review period from August 19, 2019 to September 18, 2019.¹²

By Order dated September 11, 2019, the Board approved a stipulation that authorized the extension of the 180-day period for Board action on the Company's CEF-EE Program from September 18, 2019 until no later than March 16, 2020; approved the extension of the Company's Multifamily Housing Sub-Program, Hospital Efficiency Sub-Program, Smart Thermostat Sub-Program, and Residential Data Analytics Sub-Program through September 21, 2020; and reaffirmed the termination of the Company's Direct Install Sub-Program by October 31, 2019.¹³

On September 13, 2019, Sunrun submitted a letter to the Board noting the multiple extensions of the 180-day timeline and asking the Board to relax_or disregard the procedural rules and allow Sunrun to participate in any future settlement discussions, potential final resolutions, and additional interim agreements.

By Order dated November 13, 2019, the Board found that the nature and extent of the Market Participants' interest warranted intervenor status and that their inclusion would add measurably and constructively to the record in this proceeding. The Board granted the Market Participants' motion for reconsideration and reversed its previous ruling. Additionally, the Board reaffirmed its ruling in the February 27, 2019 Order as it related to Sunrun and denied Sunrun's request dated September 13, 2019.¹⁴

The Parties participated in additional settlement conferences on January 14, January 29, February 5, February 7, and February 11, 2020.

STIPULATION

On February 14, 2020, the Parties executed a Stipulation, whose relevant terms are shown below:¹⁵

14. Recognizing that the BPU and Staff are currently engaged in an energy efficiency stakeholder process to implement the Clean Energy Act, N.J.S.A. 48:3-87.9, the Parties hereby agree to further extend the time for Board action on the Company's CEF-EE Program for an additional six (6) months, until no later than September 30, 2020. In the interim, the Parties will work expeditiously to discuss resolution of the

¹² In re the Petition of Public Service Electric and Gas Company for Approval of Its Clean Energy Future – Energy Efficiency (“CEF-EE”) Program on a Regulated Basis, BPU Docket Nos. GO18101112 and EO18101113 (August 12, 2019).

¹³ In re the Petition of Public Service Electric and Gas Company for Approval of Its Clean Energy Future – Energy Efficiency (“CEF-EE”) Program on a Regulated Basis, BPU Docket Nos. GO18101112 and EO18101113 (September 11, 2019).

¹⁴ In re the Petition of Public Service Electric and Gas Company for Approval of Its Clean Energy Future – Energy Efficiency (“CEF-EE”) Program on a Regulated Basis, BPU Docket Nos. GO18101112 and EO18101113 (November 13, 2019).

¹⁵ Although described at some length in this Order, should there be any conflict between this summary and the Stipulation, the terms of the Stipulation control, subject to the findings and conclusions contained in this Order. Each paragraph is numbered to coincide with the paragraphs of the Stipulation.

CEF-EE Program, and may enter into either a final resolution of the CEF-EE Program or additional, interim agreements.

15. The Parties agree that PSE&G, at this time, may further extend its EE 2017 Program for six (6) months, through September 30, 2020, with an additional \$111 million of program investment and an additional \$19 million for Fixed Administrative Allowance and evaluation by outside contractors (“EE 2017 Extension II”). The incremental expenditures will be added to the existing EE 2017 component of the GPRC. Revenue requirements associated with the incremental expenditures will be recovered through the EE 2017 component of the Company’s annual GPRC filings. See Attachment A to the Stipulation for the revenue requirements, bill impacts, and fixed administrative allowance schedule for the EE 2017 Program, including both the incremental and revised, updated, cumulative EE 2017 expenditures set forth in the table below. The EE 2017 minimum filing and reporting requirements will include the projects and associated benefits related to the incremental expenditures. Thus, for reporting and cost recovery purposes, the EE 2017 Program will consist of and reflect the total expenditures set forth in the column labeled “Cumulative EE 2017, EE 2017 Extension I, and EE 2017 Extension II Expenditures” in the following table:

EE 2017 Sub-Program Components	Original EE 2017 Expenditures (\$M)	EE 2017 Extension I Expenditures (\$M)	Incremental EE 2017 Extension II Expenditures (\$M)	Cumulative EE 2017, EE 2017 Extension I, and EE 2017 Extension II Expenditures (\$M)
Multifamily Housing Sub-Program	\$20.0	\$10.0	\$30.0	\$60.0
Direct Install Sub-Program	\$15.0	\$0.0	\$15.0	\$30.0
Hospital Efficiency Sub-Program	\$25.0	\$12.5	\$60.0	\$97.5
Smart Thermostat Sub-Program	\$6.5	\$3.25	\$4.0	\$13.75
Residential Data Analytics Pilot Sub-Program	\$2.5	\$1.25	\$2.0	\$5.75
Program Investment	\$69.0	\$27.0	\$111.0	\$207.0
Fixed Administrative Allowance	\$13.8	\$5.52	\$18.3	\$ 37.62
Evaluation (Outside Contractor)	\$0.7	\$0.475	\$0.7	\$1.875
IT System Enhancement Costs for Smart Thermostat ¹⁶	\$1.3	\$0.0	\$0.0	\$1.3
IT Residential Data Analytics	\$0.3	\$0.0	\$0.0	\$0.3
Total	\$85.1	\$32.995	\$130.0	\$248.095

¹⁶ See Paragraph 17 of the Stipulation.

The Parties' agreement set forth in Paragraph 15 of the Stipulation to extend certain of PSE&G's current energy efficiency programs shall not be considered a limitation upon the Board's authority, at a future date, to approve any specific energy efficiency program proposed by PSE&G in its CEF-EE filing or otherwise.

16. PSE&G is not proposing any change to current rates at this time. Attachment A of the Stipulation provides the total bill impact to a typical electric and gas residential customer on the incremental investment by year over the life of the program. While the Company is not proposing a rate change at this time, the initial impact of the Incremental EE 2017 Extension II Expenditures on PSE&G's typical residential electric customer using 740 kWh in a summer month and 6,920 kWh annually would have been an increase in their annual bill from \$1,256.92 to \$1,257.20, or by \$0.28 or approximately 0.02%, based on current Delivery Rates and Basic Generation Service Residential Small Commercial Pricing ("BGS-RSCP") charges in effect February 1, 2020, and assuming the customer receives BGS-RSCP service from PSE&G. While the Company is not proposing a rate change at this time, the initial impact of the Incremental EE 2017 Extension II Expenditures on PSE&G's typical residential gas customer using 1,040 therms annually would have been an increase in their annual bill from \$871.88 to \$872.40, or by \$0.52, or approximately 0.06%, based on current Delivery Rates and Basic Gas Supply Service ("BGSS-RSG") in effect February 1, 2020, and assuming the customer receives BGSS-RSG service from PSE&G.
17. PSE&G agrees that Information Technology ("IT") costs associated with the continuation of the Smart Thermostat sub-program shall remain subject to the amount agreed to in the August 23, 2017 BPU Order approving the EE 2017 Program. The IT expenditures will remain subject to prudence review in annual cost recovery filings.
18. The Parties agree that the extension of the Multifamily Housing, Direct Install, Hospital Efficiency, Smart Thermostat, and Residential Data Analytics Pilot sub-programs are in the public interest. The Parties agree that PSE&G should be permitted to continue implementing and administering these regulated utility services under the terms set forth in the Board's August 23, 2017 Order authorizing PSE&G to implement the EE 2017 Program (and the stipulation of settlement that the Order approved), with the exception of the following modifications:
 - a. Capital investment associated with the Data Analytics sub-program shall be contracted by no later than September 30, 2020;
 - b. Capital investment associated with the Smart Thermostat sub-program shall be completed no later than September 30, 2020;
 - c. Capital investment associated with the Hospital and Multi-Family sub-programs shall be limited to those customers who have signed a Master Customer Agreement by no later than September 30, 2020;
 - d. Capital investment associated with the Direct Install sub-program shall be limited to those customers who have signed a Customer Audit Access Agreement by no later than September 30, 2020; and

- e. The initial rebate incentive for smart thermostats shall be set at \$100 per device. The Company shall be allowed to modify this incentive in response to market conditions, but it shall not be higher than \$125 per device. The Company shall provide written notice to Board Staff and Rate Counsel within 30 days of making any modification to the incentive amount.
19. As set forth in Paragraph 19 of the BPU-approved stipulation of settlement of the EE 2017 Program, PSE&G will perform Impact Evaluations and Process Evaluations for each of the EE 2017 sub-programs. The results of such evaluations, together with all supporting data, analyses, and workpapers, will be provided to Board Staff and Rate Counsel in accordance with the following schedule: (1) PSE&G assessments and analyses for projects will continue to be provided annually on or before December 31st of each year of the EE 2017 Program, inclusive of the incremental investment set forth in the Stipulation; (2) independent third-party evaluations and supporting materials for projects associated with the original EE 2017 Program expenditures will be provided consistent with Paragraph 19 of the Board's August 23, 2017 Order; and (3) independent third-party evaluations and supporting materials for projects associated with the incremental investment set forth in the Stipulation, together with the projects completed under the Board Order dated September 11, 2019, will be provided within 12 months of the conclusion of each sub-program. The Parties agree that to the extent the Company requires an extension of time for submittal of evaluations, the Company will advise Board Staff and Rate Counsel no later than 30 days prior to the due date so that a mutually acceptable date for submittal can be agreed upon.
 20. The Parties agree that, for purposes of efficient sub-program continuation and cost effectiveness, PSE&G may continue to utilize the vendors it is presently using to implement the EE 2017 sub-programs.
 21. PSE&G will recover the net revenue requirements associated with the incremental expenditures described in the table in the Stipulation consistent with the existing cost recovery and rate design methodology for the EE 2017 Program, as approved by the BPU in its August 23, 2017 Order authorizing the Company to implement the EE 2017 Program and as shown in Attachment A to this Stipulation. The Parties agree that as a result of the Stipulation, there will be no immediate change to the Company's electric or gas GPRC.

DISCUSSION AND FINDINGS

As noted in previous orders, in the months leading up to the date of this filing, two (2) significant policy shifts occurred. Governor Murphy ordered the Board and several executive branch agencies to begin work on an Energy Master Plan ("EMP") that would "provide a comprehensive blueprint for the total conversion of the State's energy production profile to 100% clean energy sources on or before January 1, 2050" and "further provide specific proposals to be implemented over the next 10 years in order to achieve the January 1, 2050 goal." Executive Order No. 28, ¶ 3, N.J.A.C. Executive Order No. 28 (2018). The draft EMP was released in June 2019 and the final EMP was released on January 28, 2020.

Additionally, Governor Murphy signed into law the Clean Energy Act, which sets forth ambitious goals to advance energy efficiency in the state. By May 2019, the Board completed a study regarding the potential for reduction in energy usage and peak demand in the state and adopted preliminary quantitative performance indicators to establish utility targets for these reductions. The Board is currently soliciting stakeholder feedback and reviewing options and best practices on such topics as program administration, filing and reporting requirements, utility targets, funding and cost recovery, incentive/penalty structures, and evaluation, measurement, and verification. The Board has and will continue to maintain a central role in the implementation of changes to energy efficiency law and policy. In light of these changes, a cautious and incremental approach to the introduction of new utility-run programs best supports the transitions under way.

The Board carefully reviewed the record in this matter, including the CEF-EE petition and the Stipulation, and **HEREBY FINDS** the Stipulation to be reasonable, in the public interest, and in accordance with law. Accordingly, the Board **HEREBY APPROVES** the attached Stipulation in its entirety and **HEREBY INCORPORATES** its terms and conditions as though fully stated herein. The Board **FURTHER AFFIRMS** the conditions of all previous stipulations and Board Orders in this docket.

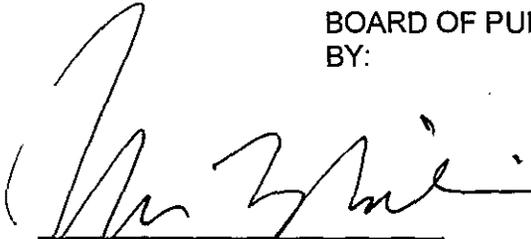
The Board **APPROVES** the extension of the 180-day period for Board action on the Company's CEF-EE Program from March 16, 2020 until no later than September 30, 2020. This extension allows the parties to continue discussions while also recognizing that the Board and Staff are currently engaged in an energy efficiency stakeholder process to implement the Clean Energy Act. The Board **AUTHORIZES** the Company to extend its Multifamily Housing Sub-Program through September 30, 2020, with an investment budget cap of \$30.0 million, a seven (7)-year amortization period, and the same return on the net investment that was approved in the Company's most recent base rate case. The Board **AUTHORIZES** the Company to extend its Hospital Efficiency Sub-Program through September 30, 2020, with an investment budget cap of \$60 million, a seven (7)-year amortization period, and the same return on the net investment that was approved in the Company's most recent base rate case. The Board **AUTHORIZES** the Company to extend its Smart Thermostat Sub-Program through September 30, 2020, with an investment budget cap of \$4 million, a seven (7)-year amortization period, and the same return on the net investment that was approved in the Company's most recent base rate case. The Board also **AUTHORIZES** the Company to extend its Residential Data Analytics Sub-Program through September 30, 2020, with an investment budget cap of \$2 million, a seven (7)-year amortization period, and the same return on the net investment that was approved in the Company's most recent base case. The Board **AUTHORIZES** the Company to extend its existing Direct Install Sub-Program through September 30, 2020, with an investment budget cap of \$15.0 million, a seven (7)-year amortization period, and the same return on the net investment that was approved in the Company's most recent base rate case.

The Company's costs, including those related to PSE&G's EE programs, will remain subject to audit by the Board. This Decision and Order shall not preclude nor prohibit the Board from taking any actions determined to be appropriate as a result of any such audit.

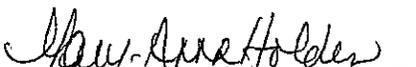
The effective date of this Order is February 19, 2020.

DATED: 2/19/20

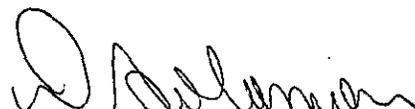
BOARD OF PUBLIC UTILITIES
BY:



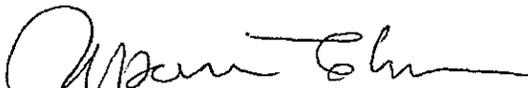
JOSEPH L. FIORDALISO
PRESIDENT



MARYANNA HOLDEN
COMMISSIONER



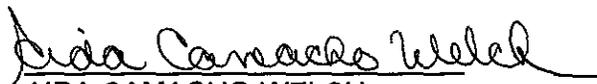
DIANNE SOLOMON
COMMISSIONER



UPENDRA J. CHIVUKULA
COMMISSIONER



ROBERT M. GORDON
COMMISSIONER

ATTEST: 

AIDA CAMACHO-WELCH
SECRETARY

I HEREBY CERTIFY that the within
document is a true copy of the original
in the files of the Board of Public Utilities.

IN THE MATTER OF THE PETITION OF PUBLIC SERVICE ELECTRIC AND GAS COMPANY
FOR APPROVAL OF ITS CLEAN ENERGY FUTURE – ENERGY EFFICIENCY (“CEF-EE”)
PROGRAM ON A REGULATED BASIS

BPU DOCKET NOS. GO18101112 and EO18101113

SERVICE LIST

Public Service Electric and Gas Company

PSEG Services Corporation
80 Park Plaza, T5
P.O. Box 570
Newark, NJ 07102

Matthew M. Weissman, Esq.
General State Regulatory Counsel
matthew.weissman@pseg.com

Joseph F. Accardo, Jr., Esq.
Deputy General Counsel and
Chief Regulatory Officer
joseph.accardo@pseg.com

Justin B. Incardone, Esq.
Associate General Regulatory Counsel
justin.incardone@pseg.com

Michele Falcao
Regulatory Filings Supervisor
michele.falcao@pseg.com

Caitlyn White
Regulatory Case Coordinator
caitlyn.white@pseg.com

Kenneth Maloney, Esq.
Cullen and Dykman LLP on behalf of Public
Service Electric and Gas Company
One Riverfront Plaza
Newark, New Jersey 07102
kmaloney@cullenanddykman.com

New Jersey Board of Public Utilities

Board of Public Utilities
44 South Clinton Avenue, 9th Floor
Post Office Box 350
Trenton, NJ 08625-0350

Aida Camacho-Welch
Secretary of the Board
board.secretary@bpu.nj.gov

Paul Flanagan, Esq.
Executive Director
paul.flanagan@bpu.nj.gov

Bob Brabston, Esq.
Deputy Executive Director
robert.brabston@bpu.nj.gov

Ben Witherell, Chief Economist
ben.witherell@bpu.nj.gov

Division of Clean Energy

Sara Bluhm Gibson, Director
sara.bluhm@bpu.nj.gov

Kelly Mooij, Deputy Director
kelly.mooij@bpu.nj.gov

Sherri Jones, Assistant Director
sherri.jones@bpu.nj.gov

Benjamin S. Hunter, Manager
Bureau of Clean and Renewable Energy
benjamin.hunter@bpu.nj.gov

Mahogany A. Hall, Program Specialist 2
mahogany.hall@bpu.nj.gov

Benjamin Goldstein, Program Specialist
benjamin.goldstein@bpu.nj.gov

New Jersey Board of Public Utilities, cont'd

Division of Energy

Stacy Peterson, Director
stacy.peterson@bpu.nj.gov

Paul Lupo, Bureau Chief, Rates & Tariffs
paul.lupo@bpu.nj.gov

Bart Kilar
bart.kilar@bpu.nj.gov

Counsel's Office

Carol Artale, Esq.
Deputy Chief Counsel
carol.artale@bpu.nj.gov

Rachel Boylan, Esq.
rachel.boylan@bpu.nj.gov

Stacy Ho Richardson, Esq.
stacy.richardson@bpu.nj.gov

Charles Gurkas, Paralegal
charles.gurkas@bpu.nj.gov

New Jersey Division of Law

Department of Law and Public Safety
Division of Law
Post Office Box 45029
Newark, NJ 07101-45029

Darren Eppley, Section Chief, DAG
daren.eppley@law.njoag.gov

Pamela Owen, ASC, DAG
pamela.owen@law.njoag.gov

Michael Beck, DAG
michael.beck@law.njoag.gov

Matko Ilic, DAG
matko.ilic@law.njoag.gov

New Jersey Division of Rate Counsel

Post Office Box 003
Trenton, NJ 08625-0003

Stefanie A. Brand, Esq., Director
sbrand@rpa.nj.gov

Brian O. Lipman, Esq., Litigation Manager
blipman@rpa.nj.gov

Felicia Thomas-Friel, Esq.
Managing Attorney – Gas
fthomas@rpa.nj.gov

Kurt Lewandowski, Esq.
Assistant Deputy Rate Counsel
klewando@rpa.nj.gov

Sarah H. Steindel, Esq.
Assistant Deputy Rate Counsel
ssteinde@rpa.nj.gov

Maura Caroselli, Esq.
Assistant Deputy Rate Counsel
mcaroselli@rpa.nj.gov

Shelly Massey
smassey@rpa.nj.gov

Rate Counsel Consultants

David E. Dismukes, Ph.D.
Consulting Economist
Acadian Consulting Group
5800 One Perkins Place Drive, Suite 5-F
Baton Rouge, LA 70808
daviddismukes@acadianconsulting.com

Dante Mugrace, Senior Consultant
c/o Karl Richard Pavlovic
PCMG and Associates, LLC
22 Brookes Avenue
Gaithersburg, MD 20877
dmugrace@pcmgregcon.com

Ezra Hausman, Ph.D., President
Ezra Hausman Consulting
77 Kaposia St.
Auburndale, MA 02466
ezra@ezrahausman.com

Atlantic City Electric Company

Philip J. Passanante, Esq.
Assistant General Counsel
Mailstop 92DC42
500 N. Wakefield Drive
Newark, DE19702
philip.passanante@pepcoholdings.com

Jersey Central Power and Light Company

Lauren M. Lepkoski, Esq.
FirstEnergy Service Company
Legal Department
2800 Pottsville Pike
Reading, PA 19712-6001
llepkoski@firstenergycorp.com

New Jersey Natural Gas Company

Andrew K. Dembia, Esq.
Regulatory Affairs Counsel
1415 Wyckoff Road
P.O. Box 1464
Wall, NJ 07719
adembia@njng.com

Rockland Electric Company

Margaret Comes, Esq.
Associate Counsel
4 Irving Place, Suite 1815-S
New York, NY 10003
comesm@coned.com

Jack Carley, Esq.
Assistant General Counsel
Consolidated Edison Company of New York, Inc.
carleyj@coned.com

James C. Meyer
Riker Danzig Scherer Hyland and Perretti LLP
Headquarters Plaza
One Speedwell Avenue
Morristown, NJ 07962-1981
jmeyer@riker.com

Eastern Environmental Law Center

Daniel Greenhouse, Esq.
William D. Bittinger, Esq.
Eastern Environmental Law Center
50 Park Place, Suite 1025
Newark, NJ 07102
dgreenhouse@easternenvironmental.org
wbittinger@easternenvironmental.org

Enel X North America, Inc.

Katie Guerry, Vice President
Brian Kauffman, Manager
Regulatory Affairs – North America
One Marina Park Drive
Boston, MA 02210
katie.guerry@enel.com
brian.kauffman@enel.com

William Harla, Esq.
Alice M. Bergen, Esq.
Ryan J. Scerbo, Esq.
Decotiis, Fitzpatrick, Cole & Giblin, LLP
Glenpointe Centre West
500 Frank W. Burr Boulevard
Teaneck, NJ 07666
wharla@decotiislaw.com
abergen@decotiislaw.com
rscerbo@decotiislaw.com

Google, LLC

Murray E. Bevan, Esq.
William K. Mosca, Jr., Esq.
Bevan, Mosca & Giuditta P.C.
222 Mount Airy Road, Suite 200
Basking Ridge, NJ 07920
mbevan@bmg.law
wmosca@bmg.law

**Keystone Energy Efficiency Alliance n/k/a
Energy Efficiency Alliance of New Jersey**

14 S. 3rd Street
Philadelphia, PA 19106

Matt Elliott, Executive Director
melliott@keealliance.org

Erin Cosgrove, Esq.
ecosgrove@eeaofnj.org

Lime Energy Company

Lloyd Kass
Senior Vice President, Utility Strategy
4 Gateway Center, 4th Floor
100 Mulberry Street
Newark, NJ 07102
lkass@lime-energy.com

Nathan Howe, Esq.
McCarter and English, LLP
100 Mulberry Street
Four Gateway Center
Newark, NJ 07102
nhowe@mccarter.com

MaGrann Associates

Ben Adams
701 East Gate Drive, Suite 100
Mount Laurel, NJ 08054
policy@magrann.com

Market Participants

Christopher Torkelson, Esq.
Eckert Seamans Cherin and Mellott, LLC
P.O. Box 5404
Princeton, NJ 08543
ctorkelson@eckertseamans.com

Karen O. Moury, Esq.
Kristine Marsilio, Esq.
Eckert Seamans Cherin and Mellott, LLC
213 Market Street, 8th Floor
Harrisburg, PA 17101
kmoury@eckertseamans.com
kmarsilio@eckertseamans.com

New Jersey Large Energy Users Coalition

Steven S. Goldenberg, Esq.
Giordano, Halleran & Ciesla, P.C.
125 Half Mile Road, Suite 300
Red Bank, NJ 07701-6777
sgoldenberg@ghclaw.com

Paul F. Forshay, Esq.
Eversheds Sutherland (US) LLP
700 Sixth Street, N.W., Suite 700
Washington, D.C. 20001-3980
paulforshay@eversheds-sutherland.com

Sunrun Inc.

Lauri A. Mazzuchetti, Esq.
Glenn T. Graham, Esq.
Kelley Drye & Warren LLP
One Jefferson Road, 2nd Floor
Parsippany, NJ 07054
lmazzuchetti@kelleydrye.com
ggraham@kelleydrye.com

Beren Argetsinger, Esq.
Keyes and Fox LLP
P.O. Box 166
Burdett, NY 14818
bargetsinger@keyesfox.com

Uplight

Kerry Cahill, Esq.
Florio Perrucci Steinhardt and Cappelli, LLC
235 Broubalow Way
Phillipsburg, NJ 08865
kcahill@floriolaw.com

Signify

Ben Brinkert, Esq.
3 Burlington Woods Drive
Burlington, MA 01803
ben.brinkert@signify.com

Barbara Koonz, Esq.
Wilentz, Goldman and Spitzer, P.A.
90 Woodbridge Center Drive, Suite 900
Woodbridge, NJ 07095
bkoonz@wilentz.com

Matthew M. Weissman
Managing Counsel – State Regulatory

Law Department
PSEG Services Corporation
80 Park Plaza – T5, Newark, New Jersey 07102-4194
tel : 973-430-7052 fax: 973-430-5983
email: matthew.weissman@pseg.com



February 14, 2020

IN THE MATTER OF THE PETITION OF
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
FOR APPROVAL OF ITS CLEAN ENERGY FUTURE-ENERGY
EFFICIENCY (“CEF-EE”) PROGRAM ON A REGULATED BASIS

BPU Docket No. GO18101112 and EO18101113

VIA ELECTRONIC AND OVERNIGHT MAIL

Aida Camacho-Welch, Secretary of the Board
Board of Public Utilities
44 South Clinton Avenue, 9th Floor
Trenton, New Jersey 08625

Dear Secretary Camacho-Welch:

Attached please find a Stipulation of Settlement (“Settlement”) of which 10 copies are enclosed in the above-referenced matter on behalf of Public Service Electric and Gas Company; the Staff of the New Jersey Board of Public Utilities; the New Jersey Division of Rate Counsel; the Eastern Environmental Law Center; Keystone Energy Efficiency Alliance; and New Jersey Large Energy Users Coalition. While intervenor Direct Energy Business, LLC; Direct Energy Business Marketing, LLC; Direct Energy Services, LLC; Gateway Energy Services Corporation; Centrica Business Solutions; Just Energy Group, Inc.; and NRG, Inc. (the “Market Participants”) are not signatories to the Stipulation, we have been advised that they have no opposition to the stipulation and will be submitting a letter to that effect.

If you have any questions, please do not hesitate to contact me. Thank you for your consideration in this matter.

Very truly yours,

A handwritten signature in blue ink that reads "Matthew Weissman".

Attach.

C Attached Service List (E-Mail)

CEF-EE

GO18101112 and EO18101113

*** Hard Copy****BPU**

Alice Bator
Board of Public Utilities
44 South Clinton Avenue
3rd Floor, Suite 314
P.O. Box 350
Trenton NJ 08625-0350
(609) 943-5805
alice.bator@bpu.nj.gov

BPU

Paul Flanagan
Board of Public Utilities
44 South Clinton Avenue
3rd Floor, Suite 314
P.O. Box 350
Trenton NJ 08625-2836
paul.flanagan@bpu.nj.gov

BPU

Mahogany A. Hall
Board of Public Utilities
44 South Clinton Avenue
P.O. Box 350
Trenton NJ 08625-0350
mahogany.hall@bpu.nj.gov

BPU

Sherri Jones
Board of Public Utilities
44 South Clinton Avenue
3rd Floor, Suite 314
P.O. Box 350
Trenton NJ 08625-0350
(609) 292-7471
sherri.jones@bpu.nj.gov

BPU

Megan Lupo
Board of Public Utilities
44 South Clinton Avenue
3rd Floor, Suite 314
P.O. Box 350
Trenton NJ 08625-0350
megan.lupo@bpu.nj.gov

BPU

Jacqueline O'Grady
Board of Public Utilities
44 South Clinton Avenue
3rd Floor, Suite 314
P.O. Box 350
Trenton NJ 08625-0350
(609) 292-2947
jackie.ogrady@bpu.nj.gov

BPU

Rachel Boylan
Board of Public Utilities
44 South Clinton Avenue
3rd Floor, Suite 314
P.O. Box 350
Trenton NJ 08625-0350
(609) 292-1458
Rachel.Boylan@bpu.nj.gov

BPU

Noreen M. Giblin Esq.
Board of Public Utilities
44 South Clinton Avenue, Suite 314
P.O. Box 350
Trenton NJ 08625-0350
noreen.giblin@bpu.nj.gov

BPU

Scott Hunter
Board of Public Utilities
44 South Clinton Avenue
3rd Floor, Suite 314
P.O. Box 350
Trenton Nj 08625-0350
(609) 292-1956
B.Hunter@bpu.nj.gov

BPU

Bart Kilar
Board of Public Utilities
44 South Clinton Avenue
3rd Floor, Suite 314
P.O. Box 350
Trenton NJ 08625-0350
bart.kilar@bpu.nj.gov

BPU

Paul Lupo
Board of Public Utilities
44 South Clinton Avenue
P.O. Box 350
Trenton NJ 08625-0350
paul.lupo@bpu.nj.gov

BPU *

Stacy Peterson
Board of Public Utilities
44 South Clinton Avenue
3rd Floor, Suite 314
P.O. Box 350
Trenton NJ 08625-0350
(609) 292-4517
stacy.peterson@bpu.nj.gov

BPU

Aida Camacho-Welch
Board of Public Utilities
44 South Clinton Avenue, 3rd Floor, Suite 314
Post Office Box 350
Trenton NJ 08625-0350
aida.camacho@bpu.nj.gov

BPU

Benjamin Goldstein
44 South Clinton Avenue
P.O. Box 350
Trenton NJ 08625-0350
benjamin.goldstein@bpu.nj.gov

BPU

Benjamin S. Hunter
Board of Public Utilities
44 South Clinton Avenue
9th Floor
P.O. Box 350
Trenton NJ 08625-0350
benjamin.hunter@bpu.nj.gov

BPU

Christine Lin
Board of Public Utilities
44 South Clinton Avenue
3rd Floor, Suite 314
P.O. Box 350
Trenton NJ 08625-0350
(609) 292-2956
christine.lin@bpu.nj.gov

BPU

Mona Mosser
Board of Public Utilities
44 South Clinton Avenue
3rd Floor, Suite 314
P.O. Box 350
Trenton NJ 08625-0350
mona.mosser@bpu.nj.gov

BPU

Andrea Reid
Board of Public Utilities
44 South Clinton Avenue
3rd Floor, Suite 314
P.O. Box 350
Trenton NJ 08625-0350
(609) 292-4518
andrea.reid@bpu.nj.gov

* **Hard Copy****BPU**

Stacy Richardson
Board of Public Utilities
44 South Clinton Avenue
3rd Floor, Suite 314
Trenton NJ 08625-0350
stacy.richardson@bpu.nj.gov

DAG

Geoffrey Gersten
NJ Dept. of Law & Public Safety
Division of Law
124 Halsey Street, 5th Flr.
P.O. Box 45029
Newark NJ 07101
(973) 648-3510
geoffrey.gersten@dol.lps.state.nj.us

DAG

Andrew Kuntz Esq.
NJ Department of Law & Public Safety
124 Halsey Street
Post Office Box 45029
Newark NJ 07101
Andrew.kuntz@lps.state.nj.us

DAG

Caroline Vachier DAG
NJ Dept. of Law & Public Safety
Division of Law
124 Halsey Street, 5th Flr.
P.O. Box 45029
Newark NJ 07101
(973) 648-3709
caroline.vachier@dol.lps.state.nj.us

PSE&G

Joseph F. Accardo, Jr.
PSEG Services Corporation
80 Park Plaza, T5G
P.O. Box 570
Newark NJ 07102
(973) 430-5811
joseph.accardojr@pseg.com

PSE&G

Justin Incardone Esq.
PSEG Services Corporation
80 Park Plaza, T5
P.O. Box 570
Newark NJ 07102
(973) 430-6163
justin.incardone@pseg.com

BPU

Bethany Rocque-Romaine Esq.
Board of Public Utilities
44 South Clinton Avenue
3rd Floor, Suite 314
P.O. Box 350
Trenton NJ 08625-0350
(609) 292-1496
bethany.romaine@bpu.nj.gov

DAG

Jenique Jones
NJ Dept. of Law & Public Safety
Division of Law
124 Halsey Street, 5th Flr.
P.O. Box 45029
Newark NJ 07101
jenique.jones@dol.lps.state.nj.us

DAG *

Alex Moreau DAG
NJ Dept. of Law & Public Safety
Division of Law
124 Halsey Street, 5th Flr.
P.O. Box 45029
Newark NJ 07101
(973) 648-3762
Alex.Moreau@dol.lps.state.nj.us

DAG

Peter VanBrunt
NJ Dept of Law & Public Safety
124 Halsey Street
P.O. Box 45029
Newark NJ 07101
Peter.VanBrunt@law.njoag.gov

PSE&G

Michele Falcao
PSEG Services Corporation
80 Park Plaza, T5
P.O. Box 570
Newark NJ 07102
(973) 430-6119
michele.falcao@pseg.com

PSE&G

Danielle Lopez Esq.
Public Services Corporation
80 Park Plaza, T5
P.O. Box 570
Newark NJ 07102
973-430-6479
danielle.lopez@pseg.com

BPU

Scott Sumliner
Board of Public Utilities
44 South Clinton Avenue
3rd Floor, Suite 314
P.O. Box 350
Trenton NJ 08625-0350
(609) 292-4519
scott.sumliner@bpu.nj.gov

DAG

Patricia A. Krogman DAG
NJ Dept of Law & Public Safety
Division of Law
124 Halsey Street, 5th Flr.
P.O. Box 45029
Newark NJ 07101
(973) 648-3441
patricia.krogman@dol.lps.state.nj.us

DAG

Timothy Oberleiton
NJ Dept of Law & Public Safety
Division of Law
124 Halsey Street, 5th Floor
P.O. Box 45029
Newark NJ 07101
Timothy.Oberleiton@law.njoag.gov

DAG

Emma Xiao DAG
NJ Dept of Law & Public Safety
Division of Law
124 Halsey Street, 2nd Floor
Newark NJ 07101
emma.xiao@law.njoag.gov

PSE&G

Deborah M. Franco Esq.
Cullen and Dykman LLP
One Riverfront Plaza
Newark NJ 07102
dfranco@cullenanddykman.com

PSE&G

Joseph A. Shea Esq.
PSEG Service Corporation
80 Park Plaza, T5
P.O. Box 570
Newark NJ 07102
(973) 430-7047
joseph.shea@pseg.com

CEF-EE

*** Hard Copy**

GO18101112 and EO18101113

PSE&G

Bernard Smalls
PSEG Services Corporation
80 Park Plaza-T5
Newark NJ 07102-4194
(973) 430-5930
bernard.smalls@pseg.com

PSE&G

Matthew M. Weissman Esq.
PSEG Services Corporation
80 Park Plaza, T5
P.O. Box 570
Newark NJ 07102
(973) 430-7052
matthew.weissman@pseg.com

PSE&G

Caitlyn White
PSEG Services Corporation
80 Park Plaza, T-5
P.O. Box 570
Newark NJ 07102
(973)-430-5659
caitlyn.white@pseg.com

Rate Counsel *

Stefanie A. Brand
Division of Rate Counsel
140 East Front Street, 4th Flr.
P.O. Box 003
Trenton NJ 08625
(609) 984-1460
sbrand@rpa.state.nj.us

Rate Counsel

Lisa Gurkas
Division of Rate Counsel
140 East Front Street, 4th Flr.
P.O. Box 003
Trenton NJ 08625
(609) 984-1460
lgurkas@rpa.state.nj.us

Rate Counsel

Kurt Lewandowski Esq.
Division of Rate Counsel
140 East Front Street, 4th Flr.
P.O. Box 003
Trenton NJ 08625
(609) 984-1460
klewando@rpa.state.nj.us

Rate Counsel

Brian O. Lipman
Division of Rate Counsel
140 East Front Street, 4th Flr.
P.O. Box 003
Trenton NJ 08625
(609) 984-1460
blipman@rpa.nj.gov

Rate Counsel

Shelly Massey
Division of Rate Counsel
140 East Front Street, 4th Flr.
P.O. Box 003
Trenton NJ 08625
(609) 984-1460
smassey@rpa.nj.gov

Rate Counsel

Henry M. Ogden Esq.
Division of Rate Counsel
140 East Front Street, 4th Flr.
P.O. Box 003
Trenton NJ 08625
(609) 984-1460
hogden@rpa.nj.gov

Rate Counsel

Sarah Steindel
Division of Rate Counsel
140 East Front Street, 4th Flr.
P.O. Box 003
Trenton NJ 08625
(609) 984-1460
ssteinde@rpa.state.nj.us

Rate Counsel *

Felicia Thomas-Friel
Division of Rate Counsel
140 East Front Street, 4th Flr.
P.O. Box 003
Trenton NJ 08625
(609) 984-1460
fthomas@rpa.nj.gov

Rate Counsel Consultant

David Dismukes
Acadian Consulting Group
5800 One Perkins Drive
Building 5, Suite F
Baton Rouge LA 70808
(225) 578-4343
daviddismukes@acadianconsulting.com

Rate Counsel Consultant

Ezra D. Hausman Ph.D.
77 Kaposia Street
Newton MA 02466
ezra@ezrahausman.com

Rate Counsel Consultant

Dante Mugrace
PCMG and Associates
90 Moonlight Court
Toms River NJ 08753
dmugrace@pcmgregcon.com

STATE OF NEW JERSEY
BOARD OF PUBLIC UTILITIES

IN THE MATTER OF THE PETITION OF) STIPULATION OF
PUBLIC SERVICE ELECTRIC AND GAS) SETTLEMENT
COMPANY FOR APPROVAL OF ITS)
CLEAN ENERGY FUTURE-ENERGY EFFICIENCY) BPU Docket Nos. GO18101112 and
PROGRAM ON A REGULATED BASIS) EO18101113

APPEARANCES:

Joseph F. Accardo Jr., Esq., Vice President - Regulatory and Deputy General Counsel, **Matthew M. Weissman, Esq.**, Managing Counsel - State Regulatory, and **Danielle Lopez, Esq.**, Associate Counsel - Regulatory for the Petitioner, Public Service Electric and Gas Company

Felicia Thomas-Friel, Esq., Deputy Rate Counsel, **Sarah Steindel, Esq.**, Assistant Deputy Rate Counsel, **Kurt Lewandowski, Esq.**, Assistant Deputy Rate Counsel and **Maura Caroselli, Esq.**, Assistant Deputy Rate Counsel for the New Jersey Division of Rate Counsel (**Stefanie A. Brand, Esq.**, Director)

Matko Ilic, Deputy Attorney General, for the Staff of the New Jersey Board of Public Utilities (**Gurbir S. Grewal**, Attorney General of New Jersey)

Daniel Greenhouse, Esq., and **William D. Bittinger, Esq.**, Eastern Environmental Law Center, for Environment New Jersey, Sierra Club, Environmental Defense Fund, New Jersey League of Conservation Voters and Natural Resources Defense Council (collectively, the “Environmental Advocates”)

Erin Cosgrove, Esq., for the Keystone Energy Efficiency Alliance n/k/a Energy Efficiency Alliance of New Jersey

Steven Goldenberg, Esq., Giordano Halleran & Ciesla, P.A. for the New Jersey Large Energy Users Coalition

It is hereby AGREED, by and between Public Service Electric and Gas Company (“PSE&G” or the “Company”), the Staff of the New Jersey Board of Public Utilities (“Board Staff”), the New Jersey Division of Rate Counsel (“Rate Counsel”), the Keystone Energy Efficiency Alliance n/k/a Energy Efficiency Alliance of New Jersey (“EEANJ”), the Environmental Advocates, and the New Jersey Large Energy Users Coalition (“NJLEUC”) (collectively referred to herein as the “Parties”) to execute this Stipulation of Settlement (“Stipulation”) to continue and extend the current PSE&G

Energy Efficiency 2017 (“EE 2017”) Program offerings with the modifications set forth herein; recover the incremental costs associated with the extended programs described herein utilizing the existing cost recovery and rate design methodology for the EE 2017 Program; and extend the time for the New Jersey Board of Public Utilities (“BPU” or the “Board”) action on the Company’s Clean Energy Future – Energy Efficiency (“CEF-EE”) Program while the Board continues to engage in the energy efficiency stakeholder process pursuant to the Clean Energy Act, N.J.S.A. 48:3-87.9.

The Parties do hereby join in recommending that the Board issue an Interim Decision and Order approving this Stipulation.

BACKGROUND

1. Pursuant to N.J.S.A. 48:3-98.1 *et seq.* and the Board’s May 12, 2008 Order in Docket No. EO08030164,¹ on May 3, 2018, PSE&G, Board Staff, and Rate Counsel held a 30-day pre-filing meeting to discuss the CEF-EE Program and its proposed cost recovery mechanism.

2. On October 11, 2018, PSE&G filed its Petition with the Board requesting approval of the CEF-EE Program and associated rate recovery mechanism pursuant to N.J.S.A. 48:3-98.1 *et seq.* The CEF-EE Program seeks to expand PSE&G’s energy efficiency offerings in its service territory.

3. Commissioner Dianne Solomon was designated as the presiding officer by Board Order dated October 29, 2018. See Order Designating Commissioner, October 29, 2018.

4. After the Company made a supplemental filing on January 7, 2019, Board Staff notified PSE&G by letter dated January 9, 2019, that it had reviewed the Petition and determined it was administratively complete. Therefore, the Board’s 180-day review period under N.J.S.A. 48:3-98.1 commenced on January 7, 2019, with an expiration date of July 6, 2019.

¹ Decision, *I/M/O Electric Public Utilities and Gas Public Utilities Offering Energy Efficiency and Conservation Programs, Investing in Class I Renewable Energy Resources, And Offering Class I Renewable Energy Programs In Their Respective Service Territories on a Regulated Basis Pursuant to N.J.S.A. 48:3-98.1*, BPU Docket No. EO08030164 (May 12, 2008) (the “May 2008 Order”).

5. Commissioner Solomon entered a procedural schedule by Order dated January 22, 2019. See Prehearing Order Setting Procedural Schedule and Ruling on Motions to Participate and Intervene.

6. Public notice was provided and six (6) public hearings were held on the CEF-EE Program on the following dates at three (3) locations in PSE&G's service territory: two (2) hearings on March 13, 2019, in New Brunswick, New Jersey; two (2) hearings on March 18, 2019, in Mt. Holly, New Jersey; and two (2) hearings on March 21, 2019, in Hackensack, New Jersey. A total of 62 members of the public made statements at the public hearings, the majority of whom commented in support of the CEF-EE Program. Two (2) members of the public expressed concerns regarding the CEF-EE Program's impact on the competitive energy efficiency market.

7. The Company, Rate Counsel, and the Environmental Advocates pre-filed direct and rebuttal testimony of their witnesses. Discovery questions were propounded by Board Staff, Rate Counsel, the Environmental Advocates, and the Company, and PSE&G, Rate Counsel, and the Environmental Advocates responded thereto.

8. Discovery conferences were held on March 6 and 14, 2019. Settlement conferences were held on March 25, April 9, June 18, and July 15, 2019.

9. Evidentiary hearings were conducted on May 1 and 2, 2019, before Commissioner Solomon. During the evidentiary hearings, PSE&G, Rate Counsel, and the Environmental Advocates introduced their respective pre-filed testimonies and exhibits, all discovery responses were moved into evidence, Rate Counsel's witnesses presented sur-rebuttal testimony, and witnesses were cross-examined. Initial post-hearing briefs were submitted on May 17, 2019, and reply briefs on May 29, 2019.

10. By Order dated June 27, 2019, Commissioner Solomon approved the Parties' Stipulation to Extend the 180-Day Period for Decision pursuant to N.J.S.A. 48:3-98.1 by 45 days, from July 6, 2019 until August 19, 2019.

11. By Order dated August 12, 2019, Commissioner Solomon approved the Parties' Stipulation to further Extend the 180-Day Period for Decision pursuant to N.J.S.A. 48:3-98.1 by 30 days, from August 19, 2019, until September 18, 2019.

12. Following further settlement discussions, by Order dated September 11, 2019, the Board approved the Parties' Stipulation to, among other things: (a) further extend the 180-day period for Board action on the Company's CEF-EE Program from September 18, 2019, until no later than March 16, 2020; and (b) authorize PSE&G to extend four (4) of the five (5) then-current EE 2017 sub-programs for one year with an additional \$32.995 million of expenditures, to be added to the existing EE 2017 component of the Green Programs Recovery Charge ("GPRC"), and revenue requirements associated with the incremental expenditures to be recovered through the EE 2017 component of the Company's annual GPRC filings ("EE 2017 Extension I").

13. Following further settlement discussions conducted on January 14, January 29, February 5, February 7, and February 11, 2020, the Parties agreed to submit this Stipulation, the terms of which are set forth below. Specifically, the Parties hereby **STIPULATE AND AGREE** to the following:

STIPULATED MATTERS

14. Recognizing that the BPU and Board Staff are currently engaged in an energy efficiency stakeholder process to implement the Clean Energy Act, N.J.S.A. 48:3-87.9, the Parties hereby agree to further extend the time for Board action on the Company's CEF-EE Program for an additional six months, until no later than September 30, 2020. In the interim, the Parties will work expeditiously to discuss resolution of the CEF-EE Program, and may enter into either a final resolution of the CEF-EE Program or additional, interim agreements.

15. The Parties agree that PSE&G, at this time, may further extend its EE 2017 Program for six (6) months, through September 30, 2020, with an additional \$111 million of program investment

and an additional \$19 million for Fixed Administrative Allowance and evaluation by outside contractors (“EE 2017 Extension II”). The incremental expenditures will be added to the existing EE 2017 component of the Green Programs Recovery Charge (“GPRC”). Revenue requirements associated with the incremental expenditures will be recovered through the EE 2017 component of the Company’s annual GPRC filings. See Attachment A to this Stipulation for the revenue requirements, bill impacts, and fixed administrative allowance schedule for the EE 2017 Program, including both the incremental and revised, updated, cumulative EE 2017 expenditures set forth in the table below. The EE 2017 minimum filing and reporting requirements will include the projects and associated benefits related to the incremental expenditures. Thus, for reporting and cost recovery purposes, the EE 2017 Program will consist of and reflect the total expenditures set forth in the column labeled “Cumulative EE 2017, EE 2017 Extension I, and EE 2017 Extension II Expenditures” in the following table:

EE 2017 Sub-Program Components	Original EE 2017 Expenditures (\$M)	EE 2017 Extension I Expenditures (\$M)	Incremental EE 2017 Extension II Expenditures (\$M)	Cumulative EE 2017, EE 2017 Extension I, and EE 2017 Extension II Expenditures (\$M)
Multifamily Housing Sub-Program	\$20.0	\$10.0	\$30.0	\$60.0
Direct Install Sub-Program	\$15.0	\$0.0	\$15.0	\$30.0
Hospital Efficiency Sub-Program	\$25.0	\$12.5	\$60.0	\$97.5
Smart Thermostat Sub-Program	\$6.5	\$3.25	\$4.0	\$13.75
Residential Data Analytics Pilot Sub-Program	\$2.5	\$1.25	\$2.0	\$5.75
Program Investment	\$69.0	\$27.0	\$111.0	\$207.0
Fixed Administrative Allowance	\$13.8	\$5.52	\$18.3	\$ 37.62
Evaluation (Outside Contractor)	\$0.7	\$0.475	\$0.7	\$1.875
IT System Enhancement Costs for Smart Thermostat ²	\$1.3	\$0.0	\$0.0	\$1.3
IT Residential Data Analytics	\$0.3	\$0.0	\$0.0	\$0.3
Total	\$85.1	\$32.995	\$130.0	\$248.095

The Parties' agreement set forth in this paragraph to extend certain of PSE&G's current energy efficiency programs shall not be considered a limitation upon the Board's authority, at a future date, to approve any specific energy efficiency program proposed by PSE&G in its CEF-EE filing or otherwise.

² See Paragraph 17 of this Stipulation.

16. PSE&G is not proposing any change to current rates at this time. Attachment A provides the total bill impact to a typical electric and gas residential customer on the incremental investment by year over the life of the program. While the Company is not proposing a rate change at this time, the initial impact of the Incremental EE 2017 Extension II Expenditures on PSE&G's typical residential electric customer using 740 kWh in a summer month and 6,920 kWh annually would have been an increase in their annual bill from \$1,256.92 to \$1,257.20, or by \$0.28 or approximately 0.02%, based on current Delivery Rates and Basic Generation Service Residential Small Commercial Pricing ("BGS-RSCP") charges in effect February 1, 2020, and assuming the customer receives BGS-RSCP service from PSE&G. While the Company is not proposing a rate change at this time, the initial impact of the Incremental EE 2017 Extension II Expenditures on PSE&G's typical residential gas customer using 1,040 therms annually would have been an increase in their annual bill from \$871.88 to \$872.40, or by \$0.52, or approximately 0.06%, based on current Delivery Rates and Basic Gas Supply Service ("BGSS-RSG") in effect February 1, 2020, and assuming the customer receives BGSS-RSG service from PSE&G.

17. PSE&G agrees that Information Technology ("IT") costs associated with the continuation of the Smart Thermostat sub-program shall remain subject to the amount agreed to in the August 23, 2017 BPU Order approving the EE 2017 Program. The IT expenditures will remain subject to prudence review in annual cost recovery filings.

18. The Parties agree that the extension of the Multifamily Housing, Direct Install, Hospital Efficiency, Smart Thermostat, and Residential Data Analytics Pilot sub-programs are in the public interest. The Parties agree that PSE&G should be permitted to continue implementing and administering these regulated utility services under the terms set forth in the Board's August 23, 2017

Order authorizing PSE&G to implement the EE 2017 Program (and the stipulation of settlement that the Order approved), with the exception of the following modifications:

- a. Capital investment associated with the Data Analytics sub-program shall be contracted by no later than September 30, 2020;
- b. Capital investment associated with the Smart Thermostat sub-program shall be completed no later than September 30, 2020;
- c. Capital investment associated with the Hospital and Multi-Family sub-programs shall be limited to those customers who have signed a Master Customer Agreement by no later than September 30, 2020;
- d. Capital investment associated with the Direct Install sub-program shall be limited to those customers who have signed a Customer Audit Access Agreement by no later than September 30, 2020; and
- e. The initial rebate incentive for smart thermostats shall be set at \$100 per device. The Company shall be allowed to modify this incentive in response to market conditions, but it shall not be higher than \$125 per device. The Company shall provide written notice to Board Staff and Rate Counsel within 30 days of making any modification to the incentive amount.

19. As set forth in Paragraph 19 of the BPU-approved stipulation of settlement of the EE 2017 Program, PSE&G will perform Impact Evaluations and Process Evaluations for each of the EE 2017 sub-programs. The results of such evaluations, together with all supporting data, analyses, and workpapers, will be provided to Board Staff and Rate Counsel in accordance with the following schedule: (1) PSE&G assessments and analyses for projects will continue to be provided annually on or before December 31st of each year of the EE 2017 Program, inclusive of the incremental investment set forth in this Stipulation; (2) independent third-party evaluations and supporting materials for projects associated with the original EE 2017 Program expenditures will be provided consistent with Paragraph 19 of the Board's August 23, 2017 Order; and (3) independent third-party evaluations and supporting materials for projects associated with the incremental investment set forth in this Stipulation, together with the projects completed under the Board Order dated September 11, 2019, will be provided

within 12 months of the conclusion of each sub-program. The Parties agree that to the extent the Company requires an extension of time for submittal of evaluations, the Company will advise Board Staff and Rate Counsel no later than 30 days prior to the due date so that a mutually acceptable date for submittal can be agreed upon.

20. The Parties agree that, for purposes of efficient sub-program continuation and cost effectiveness, PSE&G may continue to utilize the vendors it is presently using to implement the EE 2017 sub-programs.

21. PSE&G will recover the net revenue requirements associated with the incremental expenditures described in the table above consistent with the existing cost recovery and rate design methodology for the EE 2017 Program, as approved by the BPU in its August 23, 2017 Order authorizing the Company to implement the EE 2017 Program and as shown in Attachment A to this Stipulation. The Parties agree that as a result of the Stipulation, there will be no immediate change to the Company's electric or gas GPRC.

22. This Stipulation represents a mutual balancing of interests, contains interdependent provisions and, therefore, is intended to be accepted and approved in its entirety. In the event any particular aspect of this Stipulation is not accepted and approved in its entirety by the Board, any Party aggrieved thereby shall not be bound to proceed with this Stipulation and shall have the right to litigate all issues addressed herein to a conclusion. More particularly, in the event this Stipulation is not adopted in its entirety by the Board, in any applicable Order, then any Party hereto is free to pursue its then available legal remedies with respect to all issues addressed in this Stipulation as though this Stipulation had not been signed.

23. It is the intent of the Parties that the provisions hereof be approved by the Board as being in the public interest. The Parties further agree that they consider the Stipulation to be binding on them for all purposes herein.

24. It is specifically understood and agreed that this Stipulation represents a negotiated agreement and has been made exclusively for the purpose of these proceedings. Except as expressly provided herein, the Parties shall not be deemed to have approved, agreed to, or consented to any principle or methodology underlying or supposed to underlie any agreement provided herein, in total or by specific item. The Parties further agree that this Stipulation is in no way binding upon them in any other proceeding, except to enforce the terms of this Stipulation.

GURBIR S. GREWAL
ATTORNEY GENERAL OF NEW JERSEY
Attorney for the Staff of the New Jersey
Board of Public Utilities

PUBLIC SERVICE ELECTRIC AND
GAS COMPANY

By: Matko Ilic
Matko Ilic
Deputy Attorney General

By: Matthew Weissman
Matthew M. Weissman, Esq.
Managing Counsel - State Regulatory

Dated: February 13, 2020

Dated: February 13, 2020

DIVISION OF RATE COUNSEL
STEFANIE A. BRAND, DIRECTOR

NEW JERSEY LARGE ENERGY USERS

By: Felicia Thomas-Friel
Felicia Thomas-Friel, Esq.
Deputy Rate Counsel

By: _____
Steven Goldenberg, Esq.
Giordano Halleran & Ciesla, P.A.

Dated: February 17, 2020

Dated: February , 2020

24. It is specifically understood and agreed that this Stipulation represents a negotiated agreement and has been made exclusively for the purpose of these proceedings. Except as expressly provided herein, the Parties shall not be deemed to have approved, agreed to, or consented to any principle or methodology underlying or supposed to underlie any agreement provided herein, in total or by specific item. The Parties further agree that this Stipulation is in no way binding upon them in any other proceeding, except to enforce the terms of this Stipulation.

GURBIR S. GREWAL
ATTORNEY GENERAL OF NEW JERSEY
Attorney for the Staff of the New Jersey
Board of Public Utilities

PUBLIC SERVICE ELECTRIC AND
GAS COMPANY

By: Matko Ilic
Matko Ilic
Deputy Attorney General

By: Matthew M. Weissman
Matthew M. Weissman, Esq.
Managing Counsel - State Regulatory

Dated: February 13, 2020

Dated: February 13, 2020

DIVISION OF RATE COUNSEL
STEFANIE A. BRAND, DIRECTOR

NEW JERSEY LARGE ENERGY USERS

By: _____
Felicia Thomas-Friel, Esq.
Deputy Rate Counsel

By: Steven Goldenberg
Steven Goldenberg, Esq.
Giordano Halleran & Ciesla, P.A.

Dated: February , 2020

Dated: February 13, 2020

EASTERN ENVIRONMENTAL LAW CENTER

KEYSTONE ENERGY EFFICIENCY
ALLIANCE, n/k/a ENERGY EFFICIENCY
ALLIANCE OF NEW JERSEY

By: _____
Daniel Greenhouse, Esq.
Eastern Environmental Law Center

By: Erin Cosgrove
Erin Cosgrove, Esq.
Keystone Energy Efficiency Alliance
n/k/a Energy Efficiency Alliance of
New Jersey

Dated: February , 2020

Dated: February 12, 2020

EASTERN ENVIRONMENTAL LAW CENTER

KEYSTONE ENERGY EFFICIENCY
ALLIANCE, n/k/a ENERGY EFFICIENCY
ALLIANCE OF NEW JERSEY

By: William D. Bittinger
William D. Bittinger, Esq.
Daniel Greenhouse, Esq.
Eastern Environmental Law Center

Dated: February 13, 2020

By: _____
Erin Cosgrove, Esq.
Keystone Energy Efficiency Alliance
n/k/a Energy Efficiency Alliance of
New Jersey
Dated: February , 2020

PSE&G EE 2017 Program Proposed Rate Calculations

(\$'s Unless Specified)

Actual results through 9/30/2019

Current SUT Rate 6.625%

Line	Date(s)		EE 2017 and EE 2017 Extension I*		Incremental EE 2017 Extension II Expenditures		Cumulative EE 2017, EE 2017 Extension I, and EE 2017 Extension II Expenditures	
			Electric	Gas	Electric	Gas	Electric	Gas
1	Oct 19 - Sep 20	Revenue Requirements	8,331,679	5,808,143	1,902,447	1,446,214	10,234,126	7,254,357
2	Sep-19	(Over) / Under Recovered Balance	748,552	305,682	0	0	748,552	305,682
3	Sep-19	Cumulative Interest Exp / (Credit)	<u>(13,546)</u>	<u>(23,790)</u>	<u>0</u>	<u>0</u>	<u>(13,546)</u>	<u>(23,790)</u>
4	Oct 19 - Sep 20	Total Target Rate Revenue	9,066,685	6,090,036	1,902,447	1,446,214	10,969,133	7,536,250
5	Oct 19 - Sep 20	Forecasted kWh / Therms (000)	41,395,893	2,791,331	41,395,893	2,791,331	41,395,893	2,791,331
6		Calculated Rate w/o SUT (\$/kWh or \$/Therm)	0.000219	0.002182	0.000046	0.000518	0.000265	0.002700
7		Public Notice Rate w/o SUT (\$/kWh or \$/Therm)	0.000219	0.002182	0.000046	0.000518	0.000265	0.002700
8		Existing Rate w/o SUT (\$/kWh or \$/Therm)	0.000089	0.000902	0.000000	0.000000	0.000089	0.000902
9		Proposed Rate w/o SUT (\$/kWh or \$/Therm)	0.000219	0.002182	0.000046	0.000518	0.000265	0.002700
10		Proposed Rate w/ SUT (\$/kWh or \$/Therm)	0.000234	0.002327	0.000049	0.000552	0.000283	0.002879
11		Difference in Proposed and Previous Rate	0.000130	0.001280	0.000046	0.000518	0.000176	0.001798
12		Resultant EE 2017 Revenue Increase / (Decrease)	5,381,466	3,572,903	1,904,211	1,445,909	7,285,677	5,018,813

* Approved in 2019 GPRC Cost Recovery filing on January, 8 2020

**PSE&G Incremental EE 2017 Extension II
Electric Revenue Requirements Calculation**

Attachment A

Actual results through 09/30/20

	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
	<u>Net Investment</u>	<u>Return Requirement</u>	<u>Program Investment Repayments</u>	<u>Fixed Administrative Allowance</u>	<u>Evaluation / IT Residential Data Analytics / Smart Thermostat</u>	<u>Net Capacity Revenue</u>	<u>Tax Adjustment</u>	<u>Tax Adjustment Excess Deferred Flow Thru</u>	<u>Revenue Requirements</u>	<u>Return Requirement at Previous WACC</u>	<u>Impact of Change in WACC</u>	<u>Revenue Requirement at Previous WACC</u>
Monthly Calculation												
Sep-19	-	-	-	-	-	-	-	-	-	-	-	-
Oct-19	-	-	-	-	-	-	-	-	-	-	-	-
Nov-19	-	-	-	-	-	-	-	-	-	-	-	-
Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
Jan-20	-	-	-	-	-	-	-	-	-	-	-	-
Feb-20	-	-	-	-	-	-	-	-	-	-	-	-
Mar-20	-	-	-	309,222	-	-	-	-	309,222	-	-	309,222
Apr-20	413,869	1,555	(18,297)	309,222	-	-	(2,044)	-	292,261	1,538	-	292,261
May-20	822,751	4,646	(36,594)	309,222	-	-	(4,088)	-	276,837	4,596	-	276,837
Jun-20	1,226,648	7,700	(54,892)	309,222	-	-	(6,132)	-	261,375	7,616	-	261,375
Jul-20	1,654,800	10,826	(64,040)	309,222	3,092	-	(7,154)	-	262,294	10,709	-	262,294
Aug-20	2,242,182	14,641	(82,337)	309,222	3,092	-	(9,199)	-	250,841	14,483	-	250,841
Sep-20	3,292,941	20,795	(100,635)	309,222	3,092	-	(11,243)	-	249,617	20,571	-	249,617
	Col 7 - Col 11	(Prior Col 12 + Col 12) / 2 * Monthly Pre Tax WACC	Program Investment Repayments	Fixed Administrative Allowance	Input	Net Capacity Revenue	See WP-SS-EE17-1.xlsx 'AmortE' wksht	N/A	Col 4 + Col 5 + Col 13 + Col 14 + Col 15 + Col 16 + Col 17			Col 23 - Col 25
Annual Summary												
2017	-	-	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-	-	-
2020	7,471,426	179,272	(768,482)	3,092,220	18,553	-	(85,854)	-	2,695,582	177,335	-	2,695,582
2021	21,912,388	1,312,417	(2,168,218)	4,252,498	92,767	-	(134,527)	-	5,938,898	1,298,234	-	5,938,898
2022	34,754,727	2,407,605	(2,510,500)	3,226,621	92,767	-	264,971	-	8,638,224	2,381,587	-	8,638,224
2023	39,584,617	3,427,699	(5,054,330)	489,982	111,320	-	(71,372)	-	6,772,605	3,390,658	-	6,772,605
2024	34,422,990	3,403,927	(7,489,532)	35,923	74,213	-	(751,580)	-	4,262,952	3,367,142	-	4,262,952
2025	26,309,776	2,738,076	(7,108,855)	37,000	43,291	-	(579,555)	-	4,215,444	2,708,487	-	4,215,444
2026	18,196,562	2,006,524	(5,709,120)	38,110	-	-	(32,239)	-	5,388,763	1,984,840	-	5,388,763
2027	10,424,471	1,281,656	(5,366,837)	39,254	-	-	(113,036)	-	4,666,652	1,267,806	-	4,666,652
2028	4,681,641	663,972	(2,823,007)	40,431	-	-	382,995	-	4,765,918	656,797	-	4,765,918
2029	1,171,812	244,264	(387,806)	41,644	-	-	801,858	-	4,628,687	241,625	-	4,628,687
2030	85,306	43,159	0	11,744	-	-	295,165	-	1,566,249	42,693	-	1,566,249
2031	0	1,090	0	12,097	-	-	23,175	-	131,848	1,078	-	131,848
2032	0	0	0	-	-	-	0	-	0	0	-	0
Total		17,709,661	(39,386,688)	11,317,524	432,911	-	0	-	53,671,821			53,671,821
Oct 19 - Sep 20		60,162	(356,795)	2,164,554	9,277	-	(39,861)	-	1,902,447			1,902,447

**PSE&G Incremental EE 2017 Extension II
Gas Revenue Requirements Calculation**

Attachment A

Actual results through 09/30/20

	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
	<u>Net Investment</u>	<u>Return Requirement</u>	<u>Program Investment Repayments</u>	<u>Fixed Administrative Allowance</u>	<u>Evaluation / IT Residential Data Analytics / Smart Thermostat</u>	<u>Cost Offsets</u>	<u>Tax Adjustment</u>	<u>Tax Adjustment Excess Deferred Flow Thru</u>	<u>Revenue Requirements</u>	<u>Return Requirement at Previous WACC</u>	<u>Impact of Change in WACC</u>	<u>Revenue Requirement at Previous WACC</u>
Monthly Calculation												
Sep-19	-	-	-	-	-	-	-	-	-	-	-	-
Oct-19	-	-	-	-	-	-	-	-	-	-	-	-
Nov-19	-	-	-	-	-	-	-	-	-	-	-	-
Dec-19	-	-	-	-	-	-	-	-	-	-	-	-
Jan-20	-	-	-	-	-	-	-	-	-	-	-	-
Feb-20	-	-	-	-	-	-	-	-	-	-	-	-
Mar-20	-	-	-	190,778	-	-	-	-	190,778	-	-	190,778
Apr-20	235,666	885	(1,497)	190,778	-	-	(167)	-	193,530	876	-	193,530
May-20	468,492	2,646	(2,995)	190,778	-	-	(335)	-	197,157	2,617	-	197,157
Jun-20	698,479	4,384	(4,492)	190,778	-	-	(502)	-	200,762	4,337	-	200,762
Jul-20	1,122,132	6,840	(5,241)	190,778	1,908	-	(585)	-	211,327	6,766	-	211,327
Aug-20	1,576,467	10,139	(6,738)	190,778	1,908	-	(753)	-	220,387	10,029	-	220,387
Sep-20	2,158,254	14,031	(8,236)	190,778	1,908	-	(920)	-	232,272	13,880	-	232,272
Annual Summary	Col 7 - Col 11	(Prior Col 12 + Col 12) / 2 * Monthly Pre Tax WACC	Program Investment Repayments	Fixed Administrative Allowance	Input		See WP-SS-EE17-1.xlsx 'AmortE' wksht	N/A	Col 4 + Col 5 + Col 13 + Col 14 + Col 15 + Col 16 + Col 17 + Col 19		Col 16 - Col 24	Col 23 - Col 24
2017	-	-	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-	-	-
2020	2,847,000	95,320	(62,890)	1,907,780	11,447	-	(7,026)	-	2,170,757	94,290	-	2,170,757
2021	10,788,004	466,512	(177,440)	2,623,627	57,233	-	80,394	-	4,102,415	461,470	-	4,102,415
2022	24,321,448	1,445,928	(472,643)	1,990,701	57,233	-	454,730	-	6,591,917	1,430,302	-	6,591,917
2023	30,399,294	2,537,920	(2,839,681)	302,300	68,680	-	141,762	-	5,850,977	2,510,494	-	5,850,977
2024	27,180,015	2,658,592	(5,105,641)	22,163	45,787	-	(491,173)	-	3,812,532	2,629,862	-	3,812,532
2025	21,214,278	2,181,808	(5,403,605)	22,828	26,709	-	(586,117)	-	3,013,279	2,158,231	-	3,013,279
2026	15,248,541	1,643,890	(5,289,055)	23,513	-	-	(541,326)	-	2,608,677	1,626,125	-	2,608,677
2027	9,457,993	1,109,872	(4,993,852)	24,218	-	-	(443,463)	-	2,242,304	1,097,879	-	2,242,304
2028	4,356,276	613,809	(2,626,814)	24,945	-	-	349,872	-	4,081,379	607,176	-	4,081,379
2029	1,090,374	227,288	(360,854)	25,693	-	-	746,130	-	4,293,945	224,832	-	4,293,945
2030	79,377	40,160	0	7,246	-	-	274,652	-	1,453,716	39,726	-	1,453,716
2031	0	1,014	0	7,463	-	-	21,564	-	118,892	1,003	-	118,892
2032	0	0	0	-	-	-	0	-	0	0	-	0
Total		13,022,112	(27,332,475)	6,982,476	267,089	-	0	-	40,340,790		-	40,340,790
Oct 19 - Sep 20		38,925	(29,199)	1,335,446	5,723	-	(3,262)	-	1,446,214		-	1,446,214

**PSE&G Incremental EE 2017 Extension II
Electric GPRC Recovery Charge (GPRC) - Rate Impact Analysis**

Attachment A

6.920 Avg RS kWh / yr.
740 Avg RS kWh / Summer Month
495 Avg RS kWh / Winter Month
6.625% SUT Rate
41,395,893 kWh Sales (000) - Oct 19 - Sep 20 (and thereafter)
0.001334 Current electric GPRC (\$/kWh)

(1)	(2)	(3)	(4)-(10) Class Average Rate w/SUT - \$/kWh ¹							(11)-(13) Typical RS GPRC (\$)			(14) Change in RS Typical Annual Bill (\$'s)	(15) RS Typical Annual Bill (\$'s) ⁴	(16) % Change in RS Typical Annual Bill								
			RS	RHS	RLM	GLP	LPL-S	LPL-P	HTS-S	Summer	Winter	Annual Bill											
										Monthly Bill	Monthly Bill												
Current			0.181636	0.143011	0.184182	0.169813	0.132435	0.104442	0.090374	0.99	0.66	9.24		1,256.92									
Oct 19 - Sep 20	1,902,447	0.000046	0.181685	0.143060	0.184231	0.169862	0.132484	0.104491	0.090423	1.02	0.68	9.52	\$0.28	1,257.20	0.02%								
Oct 20 - Sep 21	4,884,224	0.000118	0.181762	0.143137	0.184308	0.169939	0.132561	0.104568	0.090500	1.08	0.72	10.08	\$0.84	1,257.76	0.07%								
Oct 21 - Sep 22	8,099,684	0.000196	0.181845	0.143220	0.184391	0.170022	0.132644	0.104651	0.090583	1.14	0.76	10.64	\$1.40	1,258.32	0.11%								
Oct 22 - Sep 23	7,578,415	0.000183	0.181831	0.143206	0.184377	0.170008	0.132630	0.104637	0.090569	1.13	0.76	10.60	\$1.36	1,258.28	0.11%								
Oct 23 - Sep 24	4,935,106	0.000119	0.181763	0.143138	0.184309	0.169940	0.132562	0.104569	0.090501	1.08	0.72	10.08	\$0.84	1,257.76	0.07%								
Oct 24 - Sep 25	3,843,954	0.000093	0.181735	0.143110	0.184281	0.169912	0.132534	0.104541	0.090473	1.06	0.71	9.92	\$0.68	1,257.60	0.05%								
Oct 25 - Sep 26	5,380,486	0.000130	0.181775	0.143150	0.184321	0.169952	0.132574	0.104581	0.090513	1.09	0.73	10.20	\$0.96	1,257.88	0.08%								
Oct 26 - Sep 27	4,803,742	0.000116	0.181760	0.143135	0.184306	0.169937	0.132559	0.104566	0.090498	1.08	0.72	10.08	\$0.84	1,257.76	0.07%								
Oct 27 - Sep 28	4,677,574	0.000113	0.181756	0.143131	0.184302	0.169933	0.132555	0.104562	0.090494	1.08	0.72	10.08	\$0.84	1,257.76	0.07%								
Oct 28 - Sep 29	4,955,283	0.000120	0.181764	0.143139	0.184310	0.169941	0.132563	0.104570	0.090502	1.08	0.72	10.08	\$0.84	1,257.76	0.07%								
Oct 29 - Sep 30	2,306,855	0.000056	0.181696	0.143071	0.184242	0.169873	0.132495	0.104502	0.090434	1.03	0.69	9.64	\$0.40	1,257.32	0.03%								
Oct 30 - Sep 31	301,028	0.000007	0.181643	0.143018	0.184189	0.169820	0.132442	0.104449	0.090381	0.99	0.66	9.24	\$0.00	1,256.92	0.00%								
Oct 31 - Sep 32	3,024	-	0.181636	0.143011	0.184182	0.169813	0.132435	0.104442	0.090374	0.99	0.66	9.24	\$0.00	1,256.92	0.00%								
Total	53,671,821																						
Col 1 / [kWh Sales] (Rnd to 6 dec.)			Current Class Avg Rate + Col 3 for Each Rate Class (Col 4 thru Col 11)							(Cur. eGPRC + Col 3) * Avg RS kWh Sum Mo Rnd 2			(Cur. eGPRC + Col 3) * Avg RS kWh Win Mo Rnd 2			(4 * Col 11) + (8 * Col 12)		Col 13 - Current Col 13		Current Col 15 + Col 14		Col 14 / Current Col 15 Rnd 4	
			% Change from Current Class Average Rate w/SUT																				
			RS	RHS	RLM	GLP	LPL-S	LPL-P	HTS-S														
			Oct 19 - Sep 20	0.03%	0.03%	0.03%	0.03%	0.04%	0.05%	0.05%													
			Oct 20 - Sep 21	0.07%	0.09%	0.07%	0.07%	0.10%	0.12%	0.14%													
			Oct 21 - Sep 22	0.12%	0.15%	0.11%	0.12%	0.16%	0.20%	0.23%													
			Oct 22 - Sep 23	0.11%	0.14%	0.11%	0.11%	0.15%	0.19%	0.22%													
			Oct 23 - Sep 24	0.07%	0.09%	0.07%	0.07%	0.10%	0.12%	0.14%													
			Oct 24 - Sep 25	0.05%	0.07%	0.05%	0.06%	0.07%	0.09%	0.11%													
			Oct 25 - Sep 26	0.08%	0.10%	0.08%	0.08%	0.10%	0.13%	0.15%													
			Oct 26 - Sep 27	0.07%	0.09%	0.07%	0.07%	0.09%	0.12%	0.14%													
			Oct 27 - Sep 28	0.07%	0.08%	0.07%	0.07%	0.09%	0.11%	0.13%													
			Oct 28 - Sep 29	0.07%	0.09%	0.07%	0.08%	0.10%	0.12%	0.14%													
			Oct 29 - Sep 30	0.03%	0.04%	0.03%	0.04%	0.05%	0.06%	0.07%													
			Oct 30 - Sep 31	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.01%													
			Oct 31 - Sep 32	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%													

* For illustrative purposes only; incremental investment will be recovered through the existing EE17C
¹ All customers assumed to have BGS Supply
² Initial Rate period is October 2019 to September 2020, consistent with pending EE 2017 Program cost recovery filing
³ SUT is assumed at the current SUT rate effective January 1, 2017 through the life of the Program
⁴ The rates are based on a typical residential bill as of February 1, 2020

**PSE&G Incremental EE 2017 Extension II
Gas GPRC Recovery Charge (GPRC) - Rate Impact Analysis**

6.625% SUT Rate
 2,791,331 Therm Sales (000) Oct 19 - Sept 20 (used thereafter)
 1,040 Typical RSG Therms / yr.
 0.002267 Current gas GPRC (\$/therm)
 172 89 29 Monthly Therms
 4 2 6 # of Months/year

(1)	(2)	(3)	(4)-(9) Class Average Rate w/SUT - \$/therm ¹						(10)-(13) Typical RSG GPRC (\$)				(14) Change in RSG Typical Annual Bill (\$'s)	(15) RSG Typical Annual Bill (\$'s) ⁴	(16) % Change in RSG Typical Annual Bill			
			RSG	GSG	LVG	TSG-F	TSG-NF	CIG	Dec-Mar Monthly Bill	Nov & Apr Monthly Bill	May-Oct Monthly Bill	Annual Bill						
																Gas EE17 Ext Incremental Revenue Requirements ²	Gas EE17extC* w/o SUT (\$/therm)	Gas EE17extC* w/ SUT (\$/therm) ³
Current			0.838346	0.940733	0.768963	0.658769	0.610918	0.465673	0.39	0.20	0.07	2.38		871.88				
Oct 19 - Sep 20	1,446,214	0.000518	0.838898	0.941285	0.769515	0.659321	0.611470	0.466191	0.48	0.25	0.08	2.90	\$0.52	872.40	0.06%			
Oct 20 - Sep 21	3,571,785	0.001280	0.839711	0.942098	0.770328	0.660134	0.612283	0.466953	0.62	0.32	0.11	3.78	\$1.40	873.28	0.16%			
Oct 21 - Sep 22	5,974,693	0.002140	0.840628	0.943015	0.771245	0.661051	0.613200	0.467813	0.78	0.40	0.13	4.70	\$2.32	874.20	0.27%			
Oct 22 - Sep 23	6,352,029	0.002276	0.840773	0.943160	0.771390	0.661196	0.613345	0.467949	0.81	0.42	0.14	4.92	\$2.54	874.42	0.29%			
Oct 23 - Sep 24	4,363,775	0.001563	0.840013	0.942400	0.770630	0.660436	0.612585	0.467236	0.68	0.35	0.11	4.08	\$1.70	873.58	0.19%			
Oct 24 - Sep 25	3,112,174	0.001115	0.839535	0.941922	0.770152	0.659958	0.612107	0.466788	0.59	0.31	0.10	3.58	\$1.20	873.08	0.14%			
Oct 25 - Sep 26	2,727,364	0.000977	0.839388	0.941775	0.770005	0.659811	0.611960	0.466650	0.57	0.29	0.10	3.46	\$1.08	872.96	0.12%			
Oct 26 - Sep 27	2,184,766	0.000783	0.839181	0.941568	0.769798	0.659604	0.611753	0.466456	0.53	0.28	0.09	3.22	\$0.84	872.72	0.10%			
Oct 27 - Sep 28	3,591,337	0.001287	0.839718	0.942105	0.770335	0.660141	0.612290	0.466960	0.63	0.32	0.11	3.82	\$1.44	873.32	0.17%			
Oct 28 - Sep 29	4,597,938	0.001647	0.840102	0.942489	0.770719	0.660525	0.612674	0.467320	0.69	0.36	0.12	4.20	\$1.82	873.70	0.21%			
Oct 29 - Sep 30	2,140,507	0.000767	0.839164	0.941551	0.769781	0.659587	0.611736	0.466440	0.53	0.27	0.09	3.20	\$0.82	872.70	0.09%			
Oct 30 - Sep 31	276,342	0.000099	0.838452	0.940839	0.769069	0.658875	0.611024	0.465772	0.41	0.21	0.07	2.48	\$0.10	871.98	0.01%			
Oct 31 - Sep 32	1,866	0.000001	0.838347	0.940734	0.768964	0.658770	0.610919	0.465674	0.39	0.20	0.07	2.38	\$0.00	871.88	0.00%			
Total	40,340,790																	
From Schedule SS-EE17-3G Col 18			Current Class Avg Rate + Col 3 for Each Rate Class (Col 4 thru Col 10)						(Cur. GPRC + Col 3) * Dec-Mar Monthly Therms Rnd 2				(Cur. GPRC + Col 3) * Nov & Apr Monthly Therms Rnd 2	(Cur. GPRC + Col 3) * May-Oct Monthly Therms Rnd 2	(4 * Col 10) + (2 * Col 11) + (6 * Col 12)	Col 13 - Current Col 13	Current Col 15 + Col 14	Col 14 / Current Col 15 Rnd 4
			% Change from Current Class Average Rate w/SUT															
			RSG	GSG	LVG	TSG-F	TSG-NF	CIG										
Oct 19 - Sep 20			0.07%	0.06%	0.07%	0.08%	0.09%	0.12%										
Oct 20 - Sep 21			0.16%	0.15%	0.18%	0.21%	0.22%	0.29%										
Oct 21 - Sep 22			0.27%	0.24%	0.30%	0.35%	0.37%	0.49%										
Oct 22 - Sep 23			0.29%	0.26%	0.32%	0.37%	0.40%	0.52%										
Oct 23 - Sep 24			0.20%	0.18%	0.22%	0.25%	0.27%	0.36%										
Oct 24 - Sep 25			0.14%	0.13%	0.15%	0.18%	0.19%	0.26%										
Oct 25 - Sep 26			0.12%	0.11%	0.14%	0.16%	0.17%	0.22%										
Oct 26 - Sep 27			0.10%	0.09%	0.11%	0.13%	0.14%	0.18%										
Oct 27 - Sep 28			0.16%	0.15%	0.18%	0.21%	0.22%	0.29%										
Oct 28 - Sep 29			0.21%	0.19%	0.23%	0.27%	0.29%	0.38%										
Oct 29 - Sep 30			0.10%	0.09%	0.11%	0.12%	0.13%	0.18%										
Oct 30 - Sep 31			0.01%	0.01%	0.01%	0.02%	0.02%	0.02%										
Oct 31 - Sep 32			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%										

* For illustrative purposes only; incremental investment will be recovered through the existing EE17C
¹ All customers assumed to have BGSS Supply
² Initial Rate period is October 2017 to September 2019 for EE 2017 Program
³ SUT is assumed at the current SUT rate effective January 1, 2017 through the life of the Program
⁴ The rates are based on a typical residential bill as of February 1, 2020

PSE&G Cumulative EE 2017, EE 2017 Extension I, and EE 2017 Extension II
Electric Revenue Requirements Calculation

Attachment A

Actual results through 09/30/20

	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
	<u>Net Investment</u>	<u>Return Requirement</u>	<u>Program Investment Repayments</u>	<u>Fixed Administrative Allowance</u>	<u>Evaluation / IT Residential Data Analytics / Smart Thermostat</u>	<u>Net Capacity Revenue</u>	<u>Tax Adjustment</u>	<u>Tax Adjustment Excess Deferred Flow Thru</u>	<u>Revenue Requirements</u>	<u>Return Requirement at Previous WACC</u>	<u>Impact of Change in WACC</u>	<u>Revenue Requirement at Previous WACC</u>
Monthly Calculation												
Sep-19	16,118,604	114,270	(34,017)	334,063	19,024	1,226	376	-	712,489	113,036	-	712,489
Oct-19	17,692,976	127,030	(66,490)	334,063	54,801	44	(9,977)	-	744,567	125,657	-	744,567
Nov-19	19,635,099	140,242	(71,087)	334,063	54,801	49	(6,168)	-	787,807	138,726	-	787,807
Dec-19	22,291,248	157,517	(81,549)	334,063	54,801	44	(4,093)	-	839,347	155,815	-	839,347
Jan-20	22,689,004	168,991	(109,752)	204,766	17,364	-	(14,621)	-	656,373	167,165	-	656,373
Feb-20	22,889,179	171,237	(134,212)	204,766	17,364	-	(22,835)	-	632,984	169,387	-	632,984
Mar-20	23,088,982	172,740	(137,194)	513,988	17,364	-	(21,875)	-	948,047	170,873	-	948,047
Apr-20	24,068,137	177,169	(162,239)	513,988	20,416	-	(25,757)	-	942,338	175,255	-	942,338
May-20	25,210,879	185,141	(190,056)	513,988	20,416	-	(29,432)	-	936,266	183,141	-	936,266
Jun-20	25,940,098	192,174	(213,128)	513,988	20,416	-	(28,857)	-	929,223	190,097	-	929,223
Jul-20	28,021,056	202,732	(231,678)	513,988	15,691	-	(30,750)	-	950,142	200,541	-	950,142
Aug-20	28,851,882	213,672	(267,945)	513,988	15,691	-	(38,588)	-	931,063	211,363	-	931,063
Sep-20	30,660,809	223,589	(298,196)	513,988	15,691	-	(40,175)	-	935,969	221,173	-	935,969
	Col 7 - Col 11	(Prior Col 12 + Col 12) / 2 * Monthly Pre Tax WACC	Program Investment Repayments	Fixed Administrative Allowance	Input	Net Capacity Revenue	See WP-SS-EE17-1.xlsx 'AmortE' wksht	N/A	Col 4 + Col 5 + Col 13 + Col 14 + Col 15 + Col 16 + Col 17			Col 23 - Col 25
Annual Summary												
2017	-	-	-	686,617	25,384	-	-	-	686,617	-	-	686,617
2018	6,102,987	124,360	(77,581)	2,726,847	463,978	-	(13,858)	-	3,569,651	123,621	739	3,568,912
2019	22,291,248	1,104,804	(805,706)	3,459,468	281,433	28,596	(171,835)	-	6,539,348	1,092,865	-	6,539,348
2020	35,977,631	2,452,648	(2,798,758)	5,549,408	224,248	-	(402,721)	-	10,749,075	2,426,143	-	10,749,075
2021	52,567,301	3,939,665	(5,155,784)	6,005,206	312,016	-	(557,720)	-	14,060,013	3,897,091	-	14,060,013
2022	61,359,693	4,967,792	(6,042,013)	3,783,335	155,185	-	(157,537)	-	15,571,883	4,914,108	-	15,571,883
2023	60,050,159	5,554,572	(8,606,331)	691,933	150,398	-	(390,391)	-	13,159,036	5,494,546	-	13,159,036
2024	48,434,912	4,958,309	(10,854,250)	50,729	74,213	-	(990,012)	-	10,128,846	4,904,727	-	10,128,846
2025	34,110,346	3,714,651	(9,246,635)	52,250	43,291	-	(354,715)	-	10,873,666	3,674,509	-	10,873,666
2026	21,548,894	2,489,678	(6,423,875)	53,818	-	-	618,573	-	11,080,951	2,462,773	-	11,080,951
2027	11,594,438	1,473,450	(5,430,262)	55,433	-	-	462,385	-	7,822,101	1,457,527	-	7,822,101
2028	4,917,455	718,411	(2,832,744)	57,096	-	-	711,420	-	6,122,898	710,647	-	6,122,898
2029	1,184,512	253,263	(387,806)	58,808	-	-	920,714	-	4,965,204	250,526	-	4,965,204
2030	85,306	43,431	0	16,585	-	-	302,522	-	1,589,027	42,961	-	1,589,027
2031	0	1,090	0	17,083	-	-	23,175	-	136,834	1,078	-	136,834
2032	0	0	0	-	-	-	0	-	0	0	-	0
Total		31,796,122	(58,661,744)	23,264,614	1,730,147	28,596	0		117,055,149			117,054,410
Oct 19 - Sep 20		2,132,235	(1,963,527)	5,009,635	324,818	138	(273,128)		10,234,126			10,234,126

**PSE&G Cumulative EE 2017, EE 2017 Extension I, and EE 2017 Extension II
Gas Revenue Requirements Calculation**

Attachment A

Actual results through September 30, 2020

	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
	<u>Net Investment</u>	<u>Return Requirement</u>	<u>Program Investment Repayments</u>	<u>Fixed Administrative Allowance</u>	<u>Evaluation / IT Residential Data Analytics / Smart Thermostat</u>	<u>Cost Offsets</u>	<u>Tax Adjustment</u>	<u>Tax Adjustment Excess Deferred Flow Thru</u>	<u>Revenue Requirements</u>	<u>Return Requirement at Previous WACC</u>	<u>Impact of Change in WACC</u>	<u>Revenue Requirement at Previous WACC</u>
Monthly Calculation												
Sep-19	8,828,306	62,163	(11,063)	206,161	9,654	-	(1,016)	-	422,349	61,491	-	422,349
Oct-19	9,796,123	69,972	(9,546)	206,161	29,508	-	3,221	-	470,267	69,216	-	470,267
Nov-19	10,953,043	77,955	(9,788)	206,161	29,508	-	6,197	-	499,445	77,112	-	499,445
Dec-19	13,465,586	91,741	(22,941)	206,161	29,508	-	3,492	-	539,446	90,749	-	539,446
Jan-20	13,734,996	102,193	(34,364)	126,367	9,350	-	(948)	-	441,510	101,088	-	441,510
Feb-20	14,147,493	104,755	(43,223)	126,367	9,350	-	(3,027)	-	441,693	103,622	-	441,693
Mar-20	14,503,068	107,640	(43,379)	317,145	9,350	-	183	-	644,246	106,477	-	644,246
Apr-20	15,422,976	112,432	(49,936)	317,145	10,993	-	(1,920)	-	660,237	111,217	-	660,237
May-20	16,599,971	120,310	(63,246)	317,145	10,993	-	(3,516)	-	672,809	119,010	-	672,809
Jun-20	17,168,350	126,868	(64,995)	317,145	10,993	-	(2,037)	-	690,222	125,497	-	690,222
Jul-20	19,176,734	136,548	(77,265)	317,145	8,692	-	(1,699)	-	718,115	135,073	-	718,115
Aug-20	19,979,038	147,108	(85,110)	317,145	8,692	-	(1,344)	-	735,585	145,519	-	735,585
Sep-20	21,166,194	154,583	(104,350)	317,145	8,692	-	(2,455)	-	740,783	152,912	-	740,783
Annual Summary	Col 7 - Col 11	(Prior Col 12 + Col 12) / 2 * Monthly Pre Tax WACC	Program Investment Repayments	Fixed Administrative Allowance	Input		See WP-SS-EE17-1.xlsx 'AmortE' wksht	N/A	Col 4 + Col 5 + Col 13 + Col 14 + Col 15 + Col 16 + Col 17 + Col 19	Col 16 - Col 24	Col 23 - Col 24	
2017	-	-	-	423,732	13,669	-	-	-	423,732	-	-	423,732
2018	3,541,527	57,879	(4,083)	1,682,819	443,521	-	968	-	2,354,070	57,467	412	2,353,657
2019	13,465,586	632,344	(128,151)	2,134,942	177,822	-	2,269	-	4,365,584	625,511	-	4,365,584
2020	22,749,770	1,605,960	(963,092)	3,424,185	122,206	-	(48,427)	-	7,968,994	1,588,605	-	7,968,994
2021	33,875,087	2,385,771	(2,125,009)	3,705,276	175,291	-	(108,385)	-	9,984,793	2,359,989	-	9,984,793
2022	44,766,536	3,405,970	(3,091,254)	2,334,266	90,844	-	152,830	-	11,666,401	3,369,163	-	11,666,401
2023	46,347,946	4,181,463	(5,843,418)	426,930	89,722	-	(238,194)	-	10,060,523	4,136,276	-	10,060,523
2024	38,372,723	3,882,233	(8,038,597)	31,300	45,787	-	(836,844)	-	7,581,112	3,840,279	-	7,581,112
2025	27,767,405	2,978,223	(7,367,360)	32,239	26,709	-	(555,381)	-	7,541,217	2,946,039	-	7,541,217
2026	18,195,196	2,061,435	(5,961,685)	33,206	-	-	(55,752)	-	7,116,930	2,039,158	-	7,116,930
2027	10,461,493	1,276,983	(5,143,312)	34,202	-	-	(11,339)	-	4,914,457	1,263,183	-	4,914,457
2028	4,538,019	659,275	(2,647,579)	35,229	-	-	570,160	-	5,251,320	652,151	-	5,251,320
2029	1,102,605	234,259	(360,854)	36,285	-	-	825,272	-	4,547,300	231,727	-	4,547,300
2030	79,377	40,442	0	10,233	-	-	281,260	-	1,473,999	40,005	-	1,473,999
2031	0	1,014	0	10,540	-	-	21,564	-	121,969	1,003	-	121,969
2032	0	0	0	-	-	-	0	-	0	0	-	0
Total		23,403,251	(41,674,394)	14,355,386	1,185,570	-	0	-	85,372,400			85,371,988
Oct 19 - Sep 20		1,352,104	(608,143)	3,091,232	175,630	-	(3,852)	-	7,254,357			7,254,357

**PSE&G Cumulative EE 2017, EE 2017 Extension I, and EE 2017 Extension II
Electric GPRC Recovery Charge (GPRC) - Rate Impact Analysis**

Attachment A

6.920 Avg RS kWh / yr.
 740 Avg RS kWh / Summer Month
 495 Avg RS kWh / Winter Month
 6.625% SUT Rate
 41,395,893 kWh Sales (000) - Oct 19 - Sep 20 (and thereafter)
 0.001334 Current electric GPRC (\$/kWh)

(1) Electric EE17 Cumulative Revenue Requirements ²	(2) Electric EE17C w/o SUT (\$/kWh)	(3) Electric EE17C w/ SUT (\$/kWh) ³	(4)-(10) Class Average Rate w/SUT - \$/kWh ¹							(11)-(13) Typical RS GPRC (\$)			(14) Change in RS Typical Annual Bill (\$'s)	(15) RS Typical Annual Bill (\$'s) ⁴	(16) % Change in RS Typical Annual Bill	
			RS	RHS	RLM	GLP	LPL-S	LPL-P	HTS-S	Summer Monthly Bill	Winter Monthly Bill	Annual Bill				
																Current
Current			0.181636	0.143011	0.184182	0.169813	0.132435	0.104442	0.090374	0.99	0.66	9.24		1,256.92		
Oct 17 - Sep 19*	8,423,896		0.181636	0.143011	0.184182	0.169813	0.132435	0.104442	0.090374	0.99	0.66	9.24		1,256.92	0.00%	
Oct 19 - Sep 20	10,234,126	0.000247	0.181899	0.143274	0.184445	0.170076	0.132698	0.104705	0.090637	1.18	0.79	11.04	\$1.80	1,258.72	0.14%	
Oct 20 - Sep 21	13,028,971	0.000315	0.181972	0.143347	0.184518	0.170149	0.132771	0.104778	0.090710	1.24	0.83	11.60	\$2.36	1,259.28	0.19%	
Oct 21 - Sep 22	15,352,194	0.000371	0.182032	0.143407	0.184578	0.170209	0.132831	0.104838	0.090770	1.28	0.86	12.00	\$2.76	1,259.68	0.22%	
Oct 22 - Sep 23	14,147,737	0.000342	0.182001	0.143376	0.184547	0.170178	0.132800	0.104807	0.090739	1.26	0.84	11.76	\$2.52	1,259.44	0.20%	
Oct 23 - Sep 24	10,883,774	0.000263	0.181916	0.143291	0.184462	0.170093	0.132715	0.104722	0.090654	1.19	0.80	11.16	\$1.92	1,258.84	0.15%	
Oct 24 - Sep 25	10,331,227	0.000250	0.181903	0.143278	0.184449	0.170080	0.132702	0.104709	0.090641	1.18	0.79	11.04	\$1.80	1,258.72	0.14%	
Oct 25 - Sep 26	11,551,891	0.000279	0.181933	0.143308	0.184479	0.170110	0.132732	0.104739	0.090671	1.21	0.81	11.32	\$2.08	1,259.00	0.17%	
Oct 26 - Sep 27	8,560,380	0.000207	0.181857	0.143232	0.184403	0.170034	0.132656	0.104663	0.090595	1.15	0.77	10.76	\$1.52	1,258.44	0.12%	
Oct 27 - Sep 28	6,442,670	0.000156	0.181802	0.143177	0.184348	0.169979	0.132601	0.104608	0.090540	1.11	0.74	10.36	\$1.12	1,258.04	0.09%	
Oct 28 - Sep 29	5,422,085	0.000131	0.181776	0.143151	0.184322	0.169953	0.132575	0.104582	0.090514	1.09	0.73	10.20	\$0.96	1,257.88	0.08%	
Oct 29 - Sep 30	2,365,450	0.000057	0.181697	0.143072	0.184243	0.169874	0.132496	0.104503	0.090435	1.03	0.69	9.64	\$0.40	1,257.32	0.03%	
Oct 30 - Sep 31	306,476	0.000007	0.181643	0.143018	0.184189	0.169820	0.132442	0.104449	0.090381	0.99	0.66	9.24	\$0.00	1,256.92	0.00%	
Oct 31 - Sep 32	4,271	-	0.181636	0.143011	0.184182	0.169813	0.132435	0.104442	0.090374	0.99	0.66	9.24	\$0.00	1,256.92	0.00%	
Total	117,055,149															
Col 1 / [kWh Sales] (Rnd to 6 dec.)			Current Class Avg Rate + Col 3 for Each Rate Class (Col 4 thru Col 11)							(Cur. eGPRC + Col 3) * Avg RS kWh Sum Mo Rnd 2			Col 13 - Current Col 13	Current Col 15 + Col 14	Col 14 / Current Col 15 Rnd 4	
739																
			% Change from Current Class Average Rate w/SUT													
			RS	RHS	RLM	GLP	LPL-S	LPL-P	HTS-S							
			Oct 19 - Sep 20	0.14%	0.18%	0.14%	0.15%	0.20%	0.25%	0.29%						
			Oct 20 - Sep 21	0.18%	0.23%	0.18%	0.20%	0.25%	0.32%	0.37%						
			Oct 21 - Sep 22	0.22%	0.28%	0.22%	0.23%	0.30%	0.38%	0.44%						
			Oct 22 - Sep 23	0.20%	0.26%	0.20%	0.21%	0.28%	0.35%	0.40%						
			Oct 23 - Sep 24	0.15%	0.20%	0.15%	0.16%	0.21%	0.27%	0.31%						
			Oct 24 - Sep 25	0.15%	0.19%	0.14%	0.16%	0.20%	0.26%	0.30%						
			Oct 25 - Sep 26	0.16%	0.21%	0.16%	0.17%	0.22%	0.28%	0.33%						
			Oct 26 - Sep 27	0.12%	0.15%	0.12%	0.13%	0.17%	0.21%	0.24%						
			Oct 27 - Sep 28	0.09%	0.12%	0.09%	0.10%	0.13%	0.16%	0.18%						
			Oct 28 - Sep 29	0.08%	0.10%	0.08%	0.08%	0.11%	0.13%	0.15%						
			Oct 29 - Sep 30	0.03%	0.04%	0.03%	0.04%	0.05%	0.06%	0.07%						
			Oct 30 - Sep 31	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.01%						
			Oct 31 - Sep 32	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						

* Impact of initial revenue requirement in current bill
¹ All customers assumed to have BGS Supply
² Initial Rate period is October 2019 to September 2020, consistent with pending EE 2017 Program cost recovery filing
³ SUT is assumed at the current SUT rate effective January 1, 2017 through the life of the Program
⁴ The rates are based on a typical residential bill as of February 1, 2020

**PSE&G Cumulative EE 2017, EE 2017 Extension I, and EE 2017 Extension II
Gas GPRC Recovery Charge (GPRC) - Rate Impact Analysis**

Attachment A

6.625% SUT Rate
 1,040 Typical RSG Therms / yr.
 0.002267 Current gas GPRC (\$/therm)
 172 89 29 Monthly Therms
 4 2 6 # of Months/year
 2,791,331 Therm Sales (000) Oct 19 - Sept 20 (used thereafter)

(1)	(2)	(3)	(4)-(9) Class Average Rate w/SUT - \$/therm ¹						(10)-(13) Typical RSG GPRC (\$)				(14) Change in RSG Typical Annual Bill (\$'s)	(15) RSG Typical Annual Bill (\$'s) ⁴	(16) % Change in RSG Typical Annual Bill									
			Gas EE17 Cumulative Revenue Requirements ²	Gas EE17C w/o SUT (\$/therm)	Gas EE17C w/ SUT (\$/therm) ³	RSG	GSG	LVG	TSG-F	TSG-NF	CIG	Dec-Mar Monthly Bill				Nov & Apr Monthly Bill	May-Oct Monthly Bill	Annual Bill						
																			Current	Oct 17 - Sep 19*	Oct 19 - Sep 20	Oct 20 - Sep 21	Oct 21 - Sep 22	Oct 22 - Sep 23
			0.838346	0.940733	0.768963	0.658769	0.610918	0.465673	0.39	0.20	0.07	2.38	\$0.00	871.88	0.00%									
Oct 17 - Sep 19*	5,634,228		0.838346	0.940733	0.768963	0.658769	0.610918	0.465673	0.39	0.20	0.07	2.38	\$0.00	871.88	0.00%									
Oct 19 - Sep 20	7,254,357	0.002599	0.841117	0.943504	0.771734	0.661540	0.613689	0.468272	0.87	0.45	0.15	5.28	\$2.90	874.78	0.33%									
Oct 20 - Sep 21	9,429,143	0.003378	0.841948	0.944335	0.772565	0.662371	0.614520	0.469051	1.01	0.52	0.17	6.10	\$3.72	875.60	0.43%									
Oct 21 - Sep 22	11,352,312	0.004067	0.842682	0.945069	0.773299	0.663105	0.615254	0.469740	1.14	0.59	0.19	6.88	\$4.50	876.38	0.52%									
Oct 22 - Sep 23	10,783,897	0.003863	0.842465	0.944852	0.773082	0.662888	0.615037	0.469536	1.10	0.57	0.19	6.68	\$4.30	876.18	0.49%									
Oct 23 - Sep 24	8,182,645	0.002931	0.841471	0.943858	0.772088	0.661894	0.614043	0.468604	0.93	0.48	0.16	5.64	\$3.26	875.14	0.37%									
Oct 24 - Sep 25	7,364,728	0.002638	0.841159	0.943546	0.771776	0.661582	0.613731	0.468311	0.87	0.45	0.15	5.28	\$2.90	874.78	0.33%									
Oct 25 - Sep 26	7,474,017	0.002678	0.841201	0.943588	0.771818	0.661624	0.613773	0.468351	0.88	0.46	0.15	5.34	\$2.96	874.84	0.34%									
Oct 26 - Sep 27	5,342,679	0.001914	0.840387	0.942774	0.771004	0.660810	0.612959	0.467587	0.74	0.38	0.12	4.44	\$2.06	873.94	0.24%									
Oct 27 - Sep 28	5,111,970	0.001831	0.840298	0.942685	0.770915	0.660721	0.612870	0.467504	0.73	0.38	0.12	4.40	\$2.02	873.90	0.23%									
Oct 28 - Sep 29	4,973,101	0.001782	0.840246	0.942633	0.770863	0.660669	0.612818	0.467455	0.72	0.37	0.12	4.34	\$1.96	873.84	0.22%									
Oct 29 - Sep 30	2,186,804	0.000783	0.839181	0.941568	0.769798	0.659604	0.611753	0.466456	0.53	0.28	0.09	3.22	\$0.84	872.72	0.10%									
Oct 30 - Sep 31	279,884	0.000100	0.838453	0.940840	0.769070	0.658876	0.611025	0.465773	0.41	0.21	0.07	2.48	\$0.10	871.98	0.01%									
Oct 31 - Sep 32	2,635	0.000001	0.838347	0.940734	0.768964	0.658770	0.610919	0.465674	0.39	0.20	0.07	2.38	\$0.00	871.88	0.00%									
Total	85,372,400																							
From Schedule SS-EE17-3G Col 18			Current Class Avg Rate + Col 3 for Each Rate Class (Col 4 thru Col 10)						(Cur. GPRC + Col 3) * Dec-Mar Monthly Therms Rnd 2				(Cur. GPRC + Col 3) * Nov & Apr Monthly Therms Rnd 2		(Cur. GPRC + Col 3) * May-Oct Monthly Therms Rnd 2		(4 * Col 10) + (2 * Col 11) + (6 * Col 12)		Col 13 - Current Col 13		Current Col 15 + Col 14		Col 14 / Current Col 15 Rnd 4	
			% Change from Current Class Average Rate w/SUT																					
			RSG	GSG	LVG	TSG-F	TSG-NF	CIG																
Oct 19 - Sep 20			0.33%	0.29%	0.36%	0.42%	0.45%	0.60%																
Oct 20 - Sep 21			0.43%	0.38%	0.47%	0.55%	0.59%	0.77%																
Oct 21 - Sep 22			0.52%	0.46%	0.56%	0.66%	0.71%	0.93%																
Oct 22 - Sep 23			0.49%	0.44%	0.54%	0.63%	0.67%	0.88%																
Oct 23 - Sep 24			0.37%	0.33%	0.41%	0.47%	0.51%	0.67%																
Oct 24 - Sep 25			0.34%	0.30%	0.37%	0.43%	0.46%	0.60%																
Oct 25 - Sep 26			0.34%	0.30%	0.37%	0.43%	0.47%	0.61%																
Oct 26 - Sep 27			0.24%	0.22%	0.27%	0.31%	0.33%	0.44%																
Oct 27 - Sep 28			0.23%	0.21%	0.25%	0.30%	0.32%	0.42%																
Oct 28 - Sep 29			0.23%	0.20%	0.25%	0.29%	0.31%	0.41%																
Oct 29 - Sep 30			0.10%	0.09%	0.11%	0.13%	0.14%	0.18%																
Oct 30 - Sep 31			0.01%	0.01%	0.01%	0.02%	0.02%	0.02%																
Oct 31 - Sep 32			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%																

* Impact of initial revenue requirement in current bill
¹ All customers assumed to have BGSS Supply
² Initial Rate period is October 2017 to September 2019 for EE 2017 Program
³ SUT is assumed at the current SUT rate effective January 1, 2017 through the life of the Program
⁴ The rates are based on a typical residential bill as of February 1, 2020

Attachment A

Fixed Administrative Allowance

	EE 2017 and EE 2017 Extension I			Incremental EE 2017 Extension II			Cumulative EE 2017, EE 2017 Extension I, and EE 2017 Extension II		
	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas
Oct-17	370,117	228,872	141,244	-	-	-	370,117	228,872	141,244
Nov-17	370,117	228,872	141,244	-	-	-	370,117	228,872	141,244
Dec-17	370,117	228,872	141,244	-	-	-	370,117	228,872	141,244
Jan-18	367,472	227,237	140,235	-	-	-	367,472	227,237	140,235
Feb-18	367,472	227,237	140,235	-	-	-	367,472	227,237	140,235
Mar-18	367,472	227,237	140,235	-	-	-	367,472	227,237	140,235
Apr-18	367,472	227,237	140,235	-	-	-	367,472	227,237	140,235
May-18	367,472	227,237	140,235	-	-	-	367,472	227,237	140,235
Jun-18	367,472	227,237	140,235	-	-	-	367,472	227,237	140,235
Jul-18	367,472	227,237	140,235	-	-	-	367,472	227,237	140,235
Aug-18	367,472	227,237	140,235	-	-	-	367,472	227,237	140,235
Sep-18	367,472	227,237	140,235	-	-	-	367,472	227,237	140,235
Oct-18	367,472	227,237	140,235	-	-	-	367,472	227,237	140,235
Nov-18	367,472	227,237	140,235	-	-	-	367,472	227,237	140,235
Dec-18	367,472	227,237	140,235	-	-	-	367,472	227,237	140,235
Jan-19	429,189	265,402	163,787	-	-	-	429,189	265,402	163,787
Feb-19	429,189	265,402	163,787	-	-	-	429,189	265,402	163,787
Mar-19	429,189	265,402	163,787	-	-	-	429,189	265,402	163,787
Apr-19	429,189	265,402	163,787	-	-	-	429,189	265,402	163,787
May-19	429,189	265,402	163,787	-	-	-	429,189	265,402	163,787
Jun-19	429,189	265,402	163,787	-	-	-	429,189	265,402	163,787
Jul-19	429,189	265,402	163,787	-	-	-	429,189	265,402	163,787
Aug-19	429,189	265,402	163,787	-	-	-	429,189	265,402	163,787
Sep-19	540,224	334,063	206,161	-	-	-	540,224	334,063	206,161
Oct-19	540,224	334,063	206,161	-	-	-	540,224	334,063	206,161
Nov-19	540,224	334,063	206,161	-	-	-	540,224	334,063	206,161
Dec-19	540,224	334,063	206,161	-	-	-	540,224	334,063	206,161
Jan-20	331,133	204,766	126,367	-	-	-	331,133	204,766	126,367
Feb-20	331,133	204,766	126,367	-	-	-	331,133	204,766	126,367
Mar-20	331,133	204,766	126,367	500,000	309,222	190,778	831,133	513,988	317,145
Apr-20	331,133	204,766	126,367	500,000	309,222	190,778	831,133	513,988	317,145
May-20	331,133	204,766	126,367	500,000	309,222	190,778	831,133	513,988	317,145
Jun-20	331,133	204,766	126,367	500,000	309,222	190,778	831,133	513,988	317,145
Jul-20	331,133	204,766	126,367	500,000	309,222	190,778	831,133	513,988	317,145
Aug-20	331,133	204,766	126,367	500,000	309,222	190,778	831,133	513,988	317,145
Sep-20	331,133	204,766	126,367	500,000	309,222	190,778	831,133	513,988	317,145
Oct-20	331,133	204,766	126,367	500,000	309,222	190,778	831,133	513,988	317,145
Nov-20	331,133	204,766	126,367	500,000	309,222	190,778	831,133	513,988	317,145
Dec-20	331,133	204,766	126,367	500,000	309,222	190,778	831,133	513,988	317,145
Jan-21	236,196	146,059	90,137	573,010	354,375	218,636	809,207	500,434	308,773
Feb-21	236,196	146,059	90,137	573,010	354,375	218,636	809,207	500,434	308,773
Mar-21	236,196	146,059	90,137	573,010	354,375	218,636	809,207	500,434	308,773
Apr-21	236,196	146,059	90,137	573,010	354,375	218,636	809,207	500,434	308,773
May-21	236,196	146,059	90,137	573,010	354,375	218,636	809,207	500,434	308,773
Jun-21	236,196	146,059	90,137	573,010	354,375	218,636	809,207	500,434	308,773
Jul-21	236,196	146,059	90,137	573,010	354,375	218,636	809,207	500,434	308,773
Aug-21	236,196	146,059	90,137	573,010	354,375	218,636	809,207	500,434	308,773
Sep-21	236,196	146,059	90,137	573,010	354,375	218,636	809,207	500,434	308,773
Oct-21	236,196	146,059	90,137	573,010	354,375	218,636	809,207	500,434	308,773

Attachment A

Fixed Administrative Allowance

	EE 2017 and EE 2017 Extension I			Incremental EE 2017 Extension II			Cumulative EE 2017, EE 2017 Extension I, and EE 2017 Extension II		
	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas
Nov-21	236,196	146,059	90,137	573,010	354,375	218,636	809,207	500,434	308,773
Dec-21	236,196	146,059	90,137	573,010	354,375	218,636	809,207	500,434	308,773
Jan-22	75,023	46,393	28,630	434,777	268,885	165,892	509,800	315,278	194,522
Feb-22	75,023	46,393	28,630	434,777	268,885	165,892	509,800	315,278	194,522
Mar-22	75,023	46,393	28,630	434,777	268,885	165,892	509,800	315,278	194,522
Apr-22	75,023	46,393	28,630	434,777	268,885	165,892	509,800	315,278	194,522
May-22	75,023	46,393	28,630	434,777	268,885	165,892	509,800	315,278	194,522
Jun-22	75,023	46,393	28,630	434,777	268,885	165,892	509,800	315,278	194,522
Jul-22	75,023	46,393	28,630	434,777	268,885	165,892	509,800	315,278	194,522
Aug-22	75,023	46,393	28,630	434,777	268,885	165,892	509,800	315,278	194,522
Sep-22	75,023	46,393	28,630	434,777	268,885	165,892	509,800	315,278	194,522
Oct-22	75,023	46,393	28,630	434,777	268,885	165,892	509,800	315,278	194,522
Nov-22	75,023	46,393	28,630	434,777	268,885	165,892	509,800	315,278	194,522
Dec-22	75,023	46,393	28,630	434,777	268,885	165,892	509,800	315,278	194,522
Jan-23	27,215	16,829	10,386	66,023	40,832	25,192	93,239	57,661	35,577
Feb-23	27,215	16,829	10,386	66,023	40,832	25,192	93,239	57,661	35,577
Mar-23	27,215	16,829	10,386	66,023	40,832	25,192	93,239	57,661	35,577
Apr-23	27,215	16,829	10,386	66,023	40,832	25,192	93,239	57,661	35,577
May-23	27,215	16,829	10,386	66,023	40,832	25,192	93,239	57,661	35,577
Jun-23	27,215	16,829	10,386	66,023	40,832	25,192	93,239	57,661	35,577
Jul-23	27,215	16,829	10,386	66,023	40,832	25,192	93,239	57,661	35,577
Aug-23	27,215	16,829	10,386	66,023	40,832	25,192	93,239	57,661	35,577
Sep-23	27,215	16,829	10,386	66,023	40,832	25,192	93,239	57,661	35,577
Oct-23	27,215	16,829	10,386	66,023	40,832	25,192	93,239	57,661	35,577
Nov-23	27,215	16,829	10,386	66,023	40,832	25,192	93,239	57,661	35,577
Dec-23	27,215	16,829	10,386	66,023	40,832	25,192	93,239	57,661	35,577
Jan-24	1,995	1,234	761	4,840	2,994	1,847	6,836	4,227	2,608
Feb-24	1,995	1,234	761	4,840	2,994	1,847	6,836	4,227	2,608
Mar-24	1,995	1,234	761	4,840	2,994	1,847	6,836	4,227	2,608
Apr-24	1,995	1,234	761	4,840	2,994	1,847	6,836	4,227	2,608
May-24	1,995	1,234	761	4,840	2,994	1,847	6,836	4,227	2,608
Jun-24	1,995	1,234	761	4,840	2,994	1,847	6,836	4,227	2,608
Jul-24	1,995	1,234	761	4,840	2,994	1,847	6,836	4,227	2,608
Aug-24	1,995	1,234	761	4,840	2,994	1,847	6,836	4,227	2,608
Sep-24	1,995	1,234	761	4,840	2,994	1,847	6,836	4,227	2,608
Oct-24	1,995	1,234	761	4,840	2,994	1,847	6,836	4,227	2,608
Nov-24	1,995	1,234	761	4,840	2,994	1,847	6,836	4,227	2,608
Dec-24	1,995	1,234	761	4,840	2,994	1,847	6,836	4,227	2,608
Jan-25	2,055	1,271	784	4,986	3,083	1,902	7,041	4,354	2,687
Feb-25	2,055	1,271	784	4,986	3,083	1,902	7,041	4,354	2,687
Mar-25	2,055	1,271	784	4,986	3,083	1,902	7,041	4,354	2,687
Apr-25	2,055	1,271	784	4,986	3,083	1,902	7,041	4,354	2,687
May-25	2,055	1,271	784	4,986	3,083	1,902	7,041	4,354	2,687
Jun-25	2,055	1,271	784	4,986	3,083	1,902	7,041	4,354	2,687
Jul-25	2,055	1,271	784	4,986	3,083	1,902	7,041	4,354	2,687
Aug-25	2,055	1,271	784	4,986	3,083	1,902	7,041	4,354	2,687
Sep-25	2,055	1,271	784	4,986	3,083	1,902	7,041	4,354	2,687
Oct-25	2,055	1,271	784	4,986	3,083	1,902	7,041	4,354	2,687
Nov-25	2,055	1,271	784	4,986	3,083	1,902	7,041	4,354	2,687

Attachment A

Fixed Administrative Allowance

	EE 2017 and EE 2017 Extension I			Incremental EE 2017 Extension II			Cumulative EE 2017, EE 2017 Extension I, and EE 2017 Extension II		
	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas
Dec-25	2,055	1,271	784	4,986	3,083	1,902	7,041	4,354	2,687
Jan-26	2,117	1,309	808	5,135	3,176	1,959	7,252	4,485	2,767
Feb-26	2,117	1,309	808	5,135	3,176	1,959	7,252	4,485	2,767
Mar-26	2,117	1,309	808	5,135	3,176	1,959	7,252	4,485	2,767
Apr-26	2,117	1,309	808	5,135	3,176	1,959	7,252	4,485	2,767
May-26	2,117	1,309	808	5,135	3,176	1,959	7,252	4,485	2,767
Jun-26	2,117	1,309	808	5,135	3,176	1,959	7,252	4,485	2,767
Jul-26	2,117	1,309	808	5,135	3,176	1,959	7,252	4,485	2,767
Aug-26	2,117	1,309	808	5,135	3,176	1,959	7,252	4,485	2,767
Sep-26	2,117	1,309	808	5,135	3,176	1,959	7,252	4,485	2,767
Oct-26	2,117	1,309	808	5,135	3,176	1,959	7,252	4,485	2,767
Nov-26	2,117	1,309	808	5,135	3,176	1,959	7,252	4,485	2,767
Dec-26	2,117	1,309	808	5,135	3,176	1,959	7,252	4,485	2,767
Jan-27	2,180	1,348	832	5,289	3,271	2,018	7,470	4,619	2,850
Feb-27	2,180	1,348	832	5,289	3,271	2,018	7,470	4,619	2,850
Mar-27	2,180	1,348	832	5,289	3,271	2,018	7,470	4,619	2,850
Apr-27	2,180	1,348	832	5,289	3,271	2,018	7,470	4,619	2,850
May-27	2,180	1,348	832	5,289	3,271	2,018	7,470	4,619	2,850
Jun-27	2,180	1,348	832	5,289	3,271	2,018	7,470	4,619	2,850
Jul-27	2,180	1,348	832	5,289	3,271	2,018	7,470	4,619	2,850
Aug-27	2,180	1,348	832	5,289	3,271	2,018	7,470	4,619	2,850
Sep-27	2,180	1,348	832	5,289	3,271	2,018	7,470	4,619	2,850
Oct-27	2,180	1,348	832	5,289	3,271	2,018	7,470	4,619	2,850
Nov-27	2,180	1,348	832	5,289	3,271	2,018	7,470	4,619	2,850
Dec-27	2,180	1,348	832	5,289	3,271	2,018	7,470	4,619	2,850
Jan-28	2,246	1,389	857	5,448	3,369	2,079	7,694	4,758	2,936
Feb-28	2,246	1,389	857	5,448	3,369	2,079	7,694	4,758	2,936
Mar-28	2,246	1,389	857	5,448	3,369	2,079	7,694	4,758	2,936
Apr-28	2,246	1,389	857	5,448	3,369	2,079	7,694	4,758	2,936
May-28	2,246	1,389	857	5,448	3,369	2,079	7,694	4,758	2,936
Jun-28	2,246	1,389	857	5,448	3,369	2,079	7,694	4,758	2,936
Jul-28	2,246	1,389	857	5,448	3,369	2,079	7,694	4,758	2,936
Aug-28	2,246	1,389	857	5,448	3,369	2,079	7,694	4,758	2,936
Sep-28	2,246	1,389	857	5,448	3,369	2,079	7,694	4,758	2,936
Oct-28	2,246	1,389	857	5,448	3,369	2,079	7,694	4,758	2,936
Nov-28	2,246	1,389	857	5,448	3,369	2,079	7,694	4,758	2,936
Dec-28	2,246	1,389	857	5,448	3,369	2,079	7,694	4,758	2,936
Jan-29	2,313	1,430	883	5,611	3,470	2,141	7,924	4,901	3,024
Feb-29	2,313	1,430	883	5,611	3,470	2,141	7,924	4,901	3,024
Mar-29	2,313	1,430	883	5,611	3,470	2,141	7,924	4,901	3,024
Apr-29	2,313	1,430	883	5,611	3,470	2,141	7,924	4,901	3,024
May-29	2,313	1,430	883	5,611	3,470	2,141	7,924	4,901	3,024
Jun-29	2,313	1,430	883	5,611	3,470	2,141	7,924	4,901	3,024
Jul-29	2,313	1,430	883	5,611	3,470	2,141	7,924	4,901	3,024
Aug-29	2,313	1,430	883	5,611	3,470	2,141	7,924	4,901	3,024
Sep-29	2,313	1,430	883	5,611	3,470	2,141	7,924	4,901	3,024
Oct-29	2,313	1,430	883	5,611	3,470	2,141	7,924	4,901	3,024
Nov-29	2,313	1,430	883	5,611	3,470	2,141	7,924	4,901	3,024
Dec-29	2,313	1,430	883	5,611	3,470	2,141	7,924	4,901	3,024

Fixed Administrative Allowance

	EE 2017 and EE 2017 Extension I			Incremental EE 2017 Extension II			Cumulative EE 2017, EE 2017 Extension I, and EE 2017 Extension II		
	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas
Jan-30	652	403	249	1,583	979	604	2,235	1,382	853
Feb-30	652	403	249	1,583	979	604	2,235	1,382	853
Mar-30	652	403	249	1,583	979	604	2,235	1,382	853
Apr-30	652	403	249	1,583	979	604	2,235	1,382	853
May-30	652	403	249	1,583	979	604	2,235	1,382	853
Jun-30	652	403	249	1,583	979	604	2,235	1,382	853
Jul-30	652	403	249	1,583	979	604	2,235	1,382	853
Aug-30	652	403	249	1,583	979	604	2,235	1,382	853
Sep-30	652	403	249	1,583	979	604	2,235	1,382	853
Oct-30	652	403	249	1,583	979	604	2,235	1,382	853
Nov-30	652	403	249	1,583	979	604	2,235	1,382	853
Dec-30	652	403	249	1,583	979	604	2,235	1,382	853
Jan-31	672	415	256	1,630	1,008	622	2,302	1,424	878
Feb-31	672	415	256	1,630	1,008	622	2,302	1,424	878
Mar-31	672	415	256	1,630	1,008	622	2,302	1,424	878
Apr-31	672	415	256	1,630	1,008	622	2,302	1,424	878
May-31	672	415	256	1,630	1,008	622	2,302	1,424	878
Jun-31	672	415	256	1,630	1,008	622	2,302	1,424	878
Jul-31	672	415	256	1,630	1,008	622	2,302	1,424	878
Aug-31	672	415	256	1,630	1,008	622	2,302	1,424	878
Sep-31	672	415	256	1,630	1,008	622	2,302	1,424	878
Oct-31	-	415	256	1,630	1,008	622	2,302	1,424	878
Nov-31	-	415	256	1,630	1,008	622	2,302	1,424	878
Dec-31	-	415	256	1,630	1,008	622	2,302	1,424	878
Jan-32	-	-	-	-	-	-	-	-	-
Feb-32	-	-	-	-	-	-	-	-	-
Mar-32	-	-	-	-	-	-	-	-	-
Apr-32	-	-	-	-	-	-	-	-	-
May-32	-	-	-	-	-	-	-	-	-
Jun-32	-	-	-	-	-	-	-	-	-
Jul-32	-	-	-	-	-	-	-	-	-
Aug-32	-	-	-	-	-	-	-	-	-
Sep-32	-	-	-	-	-	-	-	-	-
Oct-32	-	-	-	-	-	-	-	-	-
Nov-32	-	-	-	-	-	-	-	-	-
Dec-32	-	-	-	-	-	-	-	-	-
Total	19,317,984	11,947,090	7,372,910	18,300,000	11,317,524	6,982,476	37,620,000	23,264,614	14,355,386

Fixed Administrative Allowance

	EE 2017 and EE 2017 Extension I			Incremental EE 2017 Extension II			Cumulative EE 2017, EE 2017 Extension I, and EE 2017 Extension II		
	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas
Annual Allowance									
2017	1,110,350	686,617	423,732	-	-	-	1,110,350	686,617	423,732
2018	4,409,666	2,726,847	1,682,819	-	-	-	4,409,666	2,726,847	1,682,819
2019	5,594,410	3,459,468	2,134,942	-	-	-	5,594,410	3,459,468	2,134,942
2020	3,973,593	2,457,188	1,516,405	5,000,000	3,092,220	1,907,780	8,973,593	5,549,408	3,424,185
2021	2,834,357	1,752,708	1,081,649	6,876,125	4,252,498	2,623,627	9,710,482	6,005,206	3,705,276
2022	900,280	556,715	343,565	5,217,321	3,226,621	1,990,701	6,117,601	3,783,335	2,334,266
2023	326,581	201,951	124,630	792,282	489,982	302,300	1,118,862	691,933	426,930
2024	23,943	14,806	9,137	58,086	35,923	22,163	82,029	50,729	31,300
2025	24,661	15,250	9,411	59,828	37,000	22,828	84,490	52,250	32,239
2026	25,401	15,708	9,694	61,623	38,110	23,513	87,024	53,818	33,206
2027	26,163	16,179	9,984	63,472	39,254	24,218	89,635	55,433	34,202
2028	26,948	16,664	10,284	65,376	40,431	24,945	92,324	57,096	35,229
2029	27,757	17,164	10,592	67,337	41,644	25,693	95,094	58,808	36,285
2030	7,926	4,901	3,025	18,990	11,744	7,246	26,818	16,585	10,233
2031	2,688	1,662	1,026	19,560	12,097	7,463	27,623	17,083	10,540
2032				-	-	-	-	-	-
Total	19,314,723	11,943,827	7,370,896	18,300,000	11,317,524	6,982,476	37,620,000	23,264,614	14,355,386