



Agenda Date: 9/11/19
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/

ENERGY AND
CLEAN ENERGY

IN THE MATTER OF THE PETITION OF PUBLIC)
SERVICE ELECTRIC & GAS COMPANY FOR)
APPROVAL OF ITS CLEAN ENERGY FUTURE-)
ENERGY EFFICIENCY ("CEF-EE") PROGRAM ON A)
REGULATED BASIS)
ORDER APPROVING)
STIPULATION)
DOCKET NOS. GO18101112)
& 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., Eastern Environmental Law Center
Laura Solomon, Esq., Laura Solomon and Associates for Keystone Energy Efficiency Alliance
Steven S. Goldenberg, Esq., Giordano, Halleran & Ciesla, P.C. for New Jersey Large Energy Users Coalition

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 ("KEEA"), 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 four (4) 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 P.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 (2) percent of the average annual usage in the prior three (3) years within five (5) 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 (0.75%) of the average annual usage in the prior three (3) years within five (5) 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 Order¹ 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.

On July 16, 2009, the Board issued an Order² 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-Program; (7) Building Commissioning/O&M Sub-Program; and (8) Technology Demonstration Sub-Program.

¹ In the Matter of 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).

² In the Matter of 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).

By Order dated July 14, 2011³, 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”). On April 16, 2015⁴ (“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”).

By Order dated August 25, 2017⁵, 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. 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 addresses 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.

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

³ In the Matter of 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 the Matter of 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 the Matter of 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 the Matter of 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).

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, 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 Office of Clean Energy ("OCE") providing oversight, standard setting, and policymaking after the transition.

By Order dated October 29, 2018⁷, 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. 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 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,

⁷ In the Matter of 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 & EO18101113 (October 29, 2018).

"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 (formerly Philips Lighting North America Corporation) moved to participate.

Commissioner Solomon issued a Prehearing Order on January 22, 2019⁹ ("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.

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 Order¹⁰ denying the motions of the Market Participants and Sunrun and granting KEEA's motion to intervene.

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 the Matter of 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 & EO18101113 (January 22, 2019).

¹⁰ In the Matter of 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 & 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 Order¹¹ adopting the stipulation and extending the review period to August 19, 2019.

¹¹ In the Matter of 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 & 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

STIPULATION

On September 9, 2019, the Parties executed a Stipulation,¹³ whose relevant terms are shown below:

13. In recognition of the fact 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 180-day period for Board action on the Company's CEF-EE Program from September 18, 2019 until no later than March 16, 2020. In the event that prior to March 16, 2020, the BPU directs the state's gas and electric utilities to file for approval of energy efficiency programs pursuant to the Clean Energy Act, the Company will make the appropriate filing. The 180-day period for Board action pursuant to N.J.S.A. 48:3-98.1 shall commence upon the date of the Company's filing if Staff deems that the filing is administratively complete or upon the date the Company files any additional information required by Staff for administrative completeness. In the interim, the Parties will continue 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.
14. The Parties agree that PSE&G may, at this time, extend its current EE 2017 Program for one year with an additional \$32.995 million of expenditures, as set forth in the table below in the column labeled "Incremental EE 2017 Expenditures." 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 the Stipulation for the revenue requirements, bill impacts, and fixed administrative allowance schedule for the EE 2017 Program, including both the incremental and 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 "Updated EE 2017 Expenditures" in the following table:

¹² In the Matter of 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 & EO18101113 (August 12, 2019).

¹³ 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.

EE 2017 Sub-Program Component (\$Millions)	Original EE 2017 Expenditures	Incremental EE 2017 Expenditures	Updated EE 2017 Expenditures
Multifamily Housing Sub-Program	\$20.0	\$10.0	\$30.0
Direct Install Sub-Program	\$15.0	\$0.0	\$15.0
Hospital Efficiency Sub-Program	\$25.0	\$12.5	\$37.5
Smart Thermostat Sub-Program	\$6.5	\$3.25	\$9.75
Residential Data Analytics Pilot Sub-Program	\$2.5	\$1.25	\$3.75
Program Investment	\$69.0	\$27.0	\$96.0
Fixed Administrative Allowance	\$13.8	\$5.52	\$19.32
Evaluation (Outside Contractor)	\$0.7	\$0.475	\$1.175
IT System Enhancement Costs for Smart Thermostat ¹⁴	\$1.3	\$0.0	\$1.3
IT Residential Data Analytics	\$0.3	\$0.0	\$0.3
Total	\$85.1	\$32.995	\$118.095

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.

15. 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.
16. The Parties agree that the extension of the Multifamily Housing, Hospital Efficiency, Smart Thermostat, and Residential Data Analytics Pilot sub-programs are in the public interest. The Parties agree and 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 Order approved), with the exception of the following modifications:
 - a. Capital investment associated with the Smart Thermostat and Data Analytics sub-programs shall be completed no later than 12 months from the date of a written BPU Order approving the Stipulation;

¹⁴ See Paragraph 15 of the Stipulation.

- b. Capital investment associated with the Hospital and Multi-Family sub-programs shall be limited to those customers who have signed a Master Customer Agreement within 12 months of the date of a written BPU Order approving the Stipulation;
 - c. The initial rebate incentive for smart thermostats shall be set at \$125 per device. The Company shall be allowed to modify this incentive in response to market conditions, but it shall not be higher than \$150 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;
 - d. The incremental investment associated with the Residential Data Analytics sub-program shall be used to serve residential PSE&G customers not currently being served by the sub-program, subject to the amount set forth above.
17. 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 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.
18. 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.
19. 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 the 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

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 a 2019 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 shall further provide specific proposals to be implemented over the next 10 years in order to achieve the January 1, 2050 goal." Executive Order 28, ¶ 3. The draft EMP was released in June 2019 and is currently open to stakeholder input on the draft. It is expected to be released in December 2019.

Additionally, and on the same date, 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 recent changes, a cautious and incremental approach to the introduction of new utility-run programs best supports the transitions under way.

The Board, having carefully reviewed the record in this matter, including the CEF-EE petition and the Stipulation, **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 **APPROVES** 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. This extension of the 180-day period 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 21, 2020, with an investment budget cap of \$10.0 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 21, 2020, with an investment budget cap of \$12.5 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 21, 2020, with an investment budget cap of \$3.25 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 21, 2020, with an investment budget cap of \$1.25 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 **FURTHER REAFFIRMS** that the Company shall terminate its existing Direct Install Sub-Program by October 31, 2019.

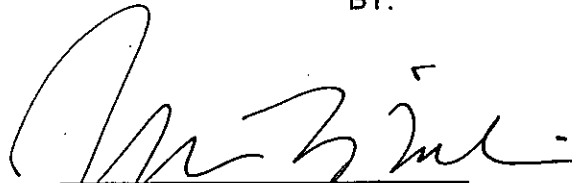
The Board **HEREBY RATIFIES** the decisions made by Commissioner Solomon during the pendency of this proceeding up to the present, for the reasons stated in her decisions and Orders.

The Company's costs 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.

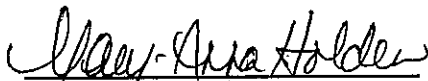
The effective date of this Order is September 21, 2019.

DATED: 9/11/19

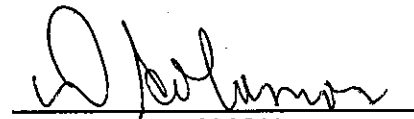
BOARD OF PUBLIC UTILITIES
BY:




JOSEPH L. FIORDALISO
PRESIDENT



MARY-ANNA HOLDEN
COMMISSIONER



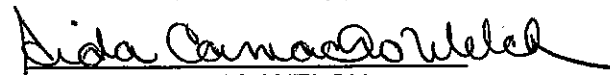
DIANNE SOLOMON
COMMISSIONER



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 & EO18101113

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September 9, 2019

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 & OVERNIGHT MAIL

Aida Camacho-Welch, Secretary
Board of Public Utilities
44 South Clinton Avenue, 3rd Flr.
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Dear Secretary Camacho-Welch:

Attached please find the fully executed Stipulation (of which 10 copies are enclosed) in the above-referenced matter. All the parties have signed the Stipulation: Public Service Electric and Gas Company, the Staff of the New Jersey Board of Public Utilities, the New Jersey Division of Rate Counsel, New Jersey Large Energy Users Coalition, Eastern Environmental and Keystone EE Alliance.

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

Respectfully submitted,

A handwritten signature in cursive script that reads "Matthew Weissman".

Attach.

- C Commissioner Dianne Solomon (via overnight delivery)
- Service List (via e-mail)

11/21/2018

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CEF-EE
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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

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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 ("KEEA"), 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. E008030164,¹ 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. E008030164 (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 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, 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

13. In recognition of the fact 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 180-day period for Board action on the Company's CEF-EE Program from September 18, 2019 until no later than March 16, 2020. In the event that prior to March 16, 2020, the BPU directs the State's gas and electric utilities to file for approval of energy efficiency programs pursuant to the Clean Energy Act, the Company will make the appropriate filing. The 180-day period for Board action pursuant to N.J.S.A. 48:3-98.1 shall commence upon the date of the Company's filing if Staff deems that the filing is administratively complete or upon the date the Company files any additional information required by Staff for administrative completeness. In the interim, the Parties will continue 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.

14. The Parties agree that PSE&G may, at this time, extend its current EE 2017 Program for one year with an additional \$32.995 million of expenditures, as set forth in the table below in the column labeled "Incremental EE 2017 Expenditures." 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 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 “Updated EE 2017 Expenditures” in the following table:

EE 2017 Sub-Program Component (\$Millions)	Original EE 2017 Expenditures	Incremental EE 2017 Expenditures	Updated EE 2017 Expenditures
Multifamily Housing Sub-Program	\$20.0	\$10.0	\$30.0
Direct Install Sub-Program	\$15.0	\$0.0	\$15.0
Hospital Efficiency Sub-Program	\$25.0	\$12.5	\$37.5
Smart Thermostat Sub-Program	\$6.5	\$3.25	\$9.75
Residential Data Analytics Pilot Sub-Program	\$2.5	\$1.25	\$3.75
Program Investment	\$69.0	\$27.0	\$96.0
Fixed Administrative Allowance	\$13.8	\$5.52	\$19.32
Evaluation (Outside Contractor)	\$0.7	\$0.475	\$1.175
IT System Enhancement Costs for Smart Thermostat ²	\$1.3	\$0.0	\$1.3
IT Residential Data Analytics	\$0.3	\$0.0	\$0.3
Total	\$85.1	\$32.995	\$118.095

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

² See Paragraph 15 of this Stipulation.

date, to approve any specific energy efficiency program proposed by PSE&G in its CEF-EE filing or otherwise.

15. 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.

16. The Parties agree that the extension of the Multifamily Housing, Hospital Efficiency, Smart Thermostat, and Residential Data Analytics Pilot sub-programs are in the public interest. The Parties agree and 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 Order approved), with the exception of the following modifications:

- a. Capital investment associated with the Smart Thermostat and Data Analytics sub-programs shall be completed no later than 12 months from the date of a written BPU Order approving this Stipulation;
- b. Capital investment associated with the Hospital and Multi-Family sub-programs shall be limited to those customers who have signed a Master Customer Agreement within 12 months of the date of a written BPU Order approving this Stipulation;
- c. The initial rebate incentive for smart thermostats shall be set at \$125 per device. The Company shall be allowed to modify this incentive in response to market conditions, but it shall not be higher than \$150 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;
- d. The incremental investment associated with the Residential Data Analytics sub-program shall be used to serve residential PSE&G customers not currently being served by the sub-program, subject to the amount set forth above.

17. 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 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.

18. 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.

19. 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.

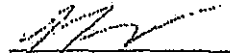
20. This Stipulation represents a mutual balancing of interests, contains interdependent provisions and, therefore, is intended to be accepted and approved in its entirety. In the event any particular aspect of this Stipulation is not accepted and approved in its entirety by the Board, any Party aggrieved 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.

21. 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.

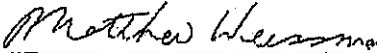
22. It is specifically understood and agreed that this Stipulation represents a negotiated agreement and has been made exclusively for the purpose of these proceedings. Except as expressly provided herein, the Parties shall not be deemed to have approved, agreed to, or consented to any principle or methodology 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: 

Emma Yao Xiao, Esq.
Deputy Attorney General

By: 

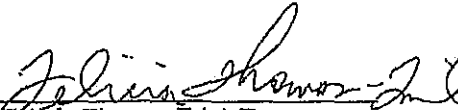
Matthew M. Weissman, Esq.
General State Regulatory Counsel

Dated: September 6, 2019

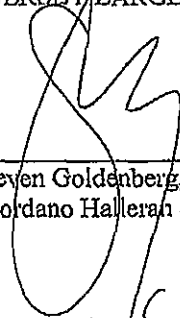
Dated: September 6, 2019

DIVISION OF RATE COUNSEL
STEFANIE A. BRAND, DIRECTOR

NEW JERSEY LARGE ENERGY USERS

By: 

Felicia Thomas-Friel, Esq.
Deputy Rate Counsel

By: 

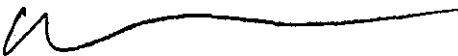
Steven Goldenberg, Esq.
Giordano Halleran & Ciesla, P.A.

Dated: September 6, 2019

Dated: September 6, 2019

EASTERN ENVIRONMENTAL LAW CENTER

KEYSTONE BE ALLIANCE

By: 

Aaron Kleinbaum, Esq.
Daniel Greenhouse, Esq.
Eastern Environmental Law Center

By: _____
Laura N. Solomon, Esq.
Laura Solomon and Associates

Dated: September 6, 2019

Dated: September ____, 2019

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: _____
Emma Yao Xiao, Esq.
Deputy Attorney General

By: _____
Matthew M. Weissman, Esq.
General State Regulatory Counsel

Dated: September ____, 2019

Dated: September ____, 2019

DIVISION OF RATE COUNSEL
STEFANIE A. BRAND, DIRECTOR

NEW JERSEY LARGE ENERGY USERS

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

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


Dated: September ____, 2019

Dated: September ____, 2019

EASTERN ENVIRONMENTAL LAW CENTER

KEYSTONE EE ALLIANCE

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

By: 
Laura N. Solomon, Esq.
Laura Solomon and Associates

Dated: September ____, 2019

Dated: September 6th, 2019

**PSE&G EE 2017 Program
Proposed Rate Calculations**

Attachment A

(\$'s Unless Specified)

Actual results through 3/31/2019

Current SUT Rate 6.625%

Line	Date(s)		Original EE17*		Incremental Extension		Cumulative EE17	
			Electric	Gas	Electric	Gas	Electric	Gas
1	Oct 19 - Sep 20	Revenue Requirements	6,509,300	4,838,191	1,411,046	1,051,242	7,920,346	5,889,433
2	Sep-19	(Over) / Under Recovered Balance	730,857	322,656	68,662	42,373	799,519	365,030
3	Sep-19	Cumulative Interest Exp / (Credit)	<u>(12,428)</u>	<u>(23,866)</u>	0	0	<u>(12,428)</u>	<u>(23,866)</u>
4	Oct 19 - Sep 20	Total Target Rate Revenue	7,227,729	5,136,982	1,479,708	1,093,616	8,707,437	6,230,597
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)	0.000175	0.001840	0.000036	0.000392	0.000210	0.002232
7		Public Notice Rate w/o SUT (\$/kWh or \$/Therm)	0.000175	0.001840	0.000036	0.000392	0.000210	0.002232
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)	0.000175	0.001840	0.000036	0.000392	0.000210	0.002232
10		Proposed Rate w/ SUT (\$/kWh or \$/Therm)	0.000187	0.001962	0.000038	0.000418	0.000224	0.002380
11		Difference in Proposed and Previous Rate	0.000086	0.000938	0.000036	0.000392	0.000121	0.001330
12		Resultant EE 2017 Revenue Increase / (Decrease)	3,560,047	2,618,268	1,490,252	1,094,202	5,008,903	3,712,470

* Submitted in 2019 GPRC Cost Recovery filing on June 28, 2019

PSE&G EE 2017 Program Extension Incremental Impact
Electric Revenue Requirements Calculation

Attachment A

Actual results through March 31, 2019

	(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	-	-	-	68,662	-	-	-	-	68,662	-	-	68,662
Oct-19	270,898	1,018	-	68,662	4,012	-	-	-	78,231	1,007	-	78,231
Nov-19	471,644	2,790	-	68,662	4,012	-	-	-	83,422	2,760	-	83,422
Dec-19	630,896	4,142	-	68,662	4,012	-	-	-	87,540	4,097	-	87,540
Jan-20	815,169	5,433	-	90,895	4,012	-	-	-	114,281	5,374	-	114,281
Feb-20	1,067,759	7,074	-	90,895	4,012	-	-	-	120,324	6,998	-	120,324
Mar-20	1,307,752	8,925	-	90,895	4,012	-	-	-	126,417	8,828	-	126,417
Apr-20	1,375,785	10,082	-	90,895	4,012	-	-	-	128,987	9,973	-	128,987
May-20	1,416,657	10,491	-	90,895	4,012	-	-	-	130,370	10,378	-	130,370
Jun-20	1,467,124	10,834	-	90,895	4,012	-	-	-	131,860	10,717	-	131,860
Jul-20	1,506,391	11,171	-	90,895	4,012	-	-	-	133,170	11,051	-	133,170
Aug-20	1,591,695	11,640	-	90,895	4,012	-	-	-	135,394	11,514	-	135,394
Sep-20	1,834,840	12,873	-	90,895	4,012	-	-	-	141,050	12,734	-	141,050
	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 'Amort' 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	630,896	7,950	-	274,647	12,036	-	-	-	317,856	7,864	-	317,856
2020	2,547,474	134,705	-	1,090,739	48,143	-	-	-	1,611,779	133,250	-	1,611,779
2021	6,321,070	393,915	(34,571)	1,273,928	60,179	-	(107)	-	2,697,831	389,659	-	2,697,831
2022	8,825,121	733,663	(538,108)	546,580	60,179	-	(33,791)	-	2,571,373	725,735	-	2,571,373
2023	7,219,443	723,353	(974,762)	191,512	60,179	-	(101,902)	-	1,852,658	715,536	-	1,852,658
2024	5,613,765	578,572	(974,762)	4,054	-	-	(101,902)	-	1,460,240	572,320	-	1,460,240
2025	4,008,087	433,792	(974,762)	4,176	-	-	(101,902)	-	1,315,581	429,104	-	1,315,581
2026	2,419,103	289,166	(944,032)	4,301	-	-	(89,886)	-	1,190,603	286,041	-	1,190,603
2027	1,056,551	154,866	(457,195)	4,430	-	-	100,474	-	1,418,660	153,192	-	1,418,660
2028	182,639	50,460	(25,051)	4,563	-	-	256,038	-	1,235,821	49,934	-	1,235,821
2029	0	4,440	(25,051)	4,700	-	-	92,831	-	228,346	4,392	-	228,346
2030	0	0	(25,051)	4,841	-	-	(9,795)	-	(30,006)	0	-	(30,006)
2031	0	0	(21,210)	4,986	-	-	(8,293)	-	(24,518)	0	-	(24,518)
2032	0	0	(4,509)	-	-	-	(1,763)	-	(6,272)	0	-	(6,272)
Total		3,504,902	(4,999,064)	3,413,454	240,717	-	0	-	15,839,951			15,839,951
Oct 19 - Sep 20		96,474	-	1,024,039	48,143	-	-	-	1,411,046			1,411,046

PSE&G EE 2017 Program Extension Incremental Impact
Gas Revenue Requirements Calculation

Attachment A

Actual results through March 31, 2019

	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
	Net Investment	Return Requirement	Program Investment Repayments	Fixed Administrative Allowance	Evaluation / IT Residential Data Analytics / Smart Thermostat	Cost Offsets	Tax Adjustment	Tax Adjustment Excess Deferred Flow Thru	Revenue Requirements	Return Requirement at Previous WACC	Impact of Change in WACC	Revenue Requirement at Previous WACC
Monthly Calculation												
Sep-19	-	-	-	42,373	-	-	-	-	42,373	-	-	42,373
Oct-19	316,120	1,188	-	42,373	3,905	-	-	-	52,764	1,175	-	52,764
Nov-19	541,352	3,222	-	42,373	3,905	-	-	-	58,636	3,187	-	58,636
Dec-19	713,018	4,713	-	42,373	3,905	-	-	-	63,114	4,662	-	63,114
Jan-20	929,461	6,171	-	56,094	3,905	-	-	-	82,068	6,104	-	82,068
Feb-20	1,192,862	7,974	-	56,094	3,905	-	-	-	88,475	7,887	-	88,475
Mar-20	1,483,042	10,053	-	56,094	3,905	-	-	-	95,665	9,945	-	95,665
Apr-20	1,507,259	11,235	-	56,094	3,905	-	-	-	97,561	11,113	-	97,561
May-20	1,539,288	11,446	-	56,094	3,905	-	-	-	98,626	11,322	-	98,626
Jun-20	1,595,862	11,779	-	56,094	3,905	-	-	-	100,235	11,651	-	100,235
Jul-20	1,626,316	12,108	-	56,094	3,905	-	-	-	101,415	11,975	-	101,415
Aug-20	1,698,152	12,490	-	56,094	3,905	-	-	-	103,356	12,355	-	103,356
Sep-20	1,958,008	13,736	-	56,094	3,905	-	-	-	109,329	13,588	-	109,329
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 'Amort' 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	713,018	9,122	-	189,493	11,714	-	-	-	216,887	9,023	-	216,887
2020	2,629,070	146,095	-	673,128	46,857	-	-	-	1,231,989	144,516	-	1,231,989
2021	7,009,329	423,223	(84,229)	786,180	58,571	-	(261)	-	2,247,488	418,649	-	2,247,488
2022	8,402,536	741,274	(613,631)	337,311	58,571	-	(38,847)	-	2,290,795	733,263	-	2,290,795
2023	8,843,098	687,334	(895,488)	118,188	58,571	-	(82,995)	-	1,787,656	679,907	-	1,787,656
2024	5,283,660	546,723	(895,488)	2,502	-	-	(82,995)	-	1,472,788	540,815	-	1,472,788
2025	3,724,222	406,111	(895,488)	2,577	-	-	(82,995)	-	1,332,251	401,723	-	1,332,251
2026	2,183,877	265,678	(820,618)	2,654	-	-	(53,720)	-	1,269,483	262,807	-	1,269,483
2027	887,491	136,639	(331,907)	2,734	-	-	137,373	-	1,480,977	135,162	-	1,480,977
2028	116,456	39,257	(61,036)	2,816	-	-	210,614	-	1,029,692	38,832	-	1,029,692
2029	0	2,512	(61,036)	2,900	-	-	42,196	-	82,503	2,485	-	82,503
2030	0	0	(61,036)	2,987	-	-	(23,866)	-	(81,914)	0	-	(81,914)
2031	0	0	(51,677)	3,077	-	-	(20,206)	-	(68,806)	0	-	(68,806)
2032	0	0	(10,986)	-	-	-	(4,296)	-	(15,282)	0	-	(15,282)
Total		3,403,968	(4,782,621)	2,106,546	234,283	-	0	-	14,276,506			14,276,506
Oct 19 - Sep 20		106,111	-	631,965	46,857	-	-	-	1,051,242			1,051,242

**PSE&G EE 2017 Program Extension Incremental Impact
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)

0.001679 Current electric GPRC (\$/kWh)

	(1) Electric EE17 Ext Incremental Revenue Requirements ²	(2) Electric EE17extC* w/o SUT (\$/kWh)	(3) Electric EE17extC* 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				0.176815	0.140495	0.177044	0.159177	0.125285	0.109938	0.096307	1.24	0.83	11.60		1,223.56	
Oct 19 - Sep 20	1,479,708	0.000036	0.000038	0.176853	0.140533	0.177082	0.159215	0.125323	0.109976	0.096345	1.27	0.85	11.88	\$0.28	1,223.84	0.02%
Oct 20 - Sep 21	2,369,122	0.000057	0.000061	0.176876	0.140556	0.177105	0.159238	0.125346	0.109999	0.096368	1.29	0.86	12.04	\$0.44	1,224.00	0.04%
Oct 21 - Sep 22	2,749,398	0.000086	0.000070	0.176885	0.140565	0.177114	0.159247	0.125355	0.110008	0.096377	1.29	0.87	12.12	\$0.52	1,224.08	0.04%
Oct 22 - Sep 23	2,003,678	0.000048	0.000051	0.176866	0.140546	0.177095	0.159228	0.125336	0.109989	0.096358	1.28	0.86	12.00	\$0.40	1,223.98	0.03%
Oct 23 - Sep 24	1,558,345	0.000038	0.000041	0.176856	0.140536	0.177085	0.159218	0.125328	0.109979	0.096348	1.27	0.85	11.88	\$0.28	1,223.84	0.02%
Oct 24 - Sep 25	1,351,746	0.000033	0.000035	0.176850	0.140530	0.177079	0.159212	0.125320	0.109973	0.096342	1.27	0.85	11.88	\$0.28	1,223.84	0.02%
Oct 25 - Sep 26	1,223,119	0.000030	0.000032	0.176847	0.140527	0.177078	0.159209	0.125317	0.109970	0.096339	1.27	0.85	11.88	\$0.28	1,223.84	0.02%
Oct 26 - Sep 27	1,269,704	0.000031	0.000033	0.176848	0.140528	0.177077	0.159210	0.125318	0.109971	0.096340	1.27	0.85	11.88	\$0.28	1,223.84	0.02%
Oct 27 - Sep 28	1,453,437	0.000035	0.000037	0.176852	0.140532	0.177081	0.159214	0.125322	0.109975	0.096344	1.27	0.85	11.88	\$0.28	1,223.84	0.02%
Oct 28 - Sep 29	450,028	0.000011	0.000012	0.176827	0.140507	0.177056	0.159189	0.125297	0.109950	0.096319	1.25	0.84	11.72	\$0.12	1,223.68	0.01%
Oct 29 - Sep 30	(30,041)	(0.000001)	(0.000001)	0.176814	0.140484	0.177043	0.159176	0.125284	0.109937	0.096306	1.24	0.83	11.60	\$0.00	1,223.56	0.00%
Oct 30 - Sep 31	(27,894)	(0.000001)	(0.000001)	0.176814	0.140494	0.177043	0.159176	0.125284	0.109937	0.096306	1.24	0.83	11.60	\$0.00	1,223.56	0.00%
Oct 31 - Sep 32	(10,398)	-	-	0.176815	0.140495	0.177044	0.159177	0.125285	0.109938	0.096307	1.24	0.83	11.60	\$0.00	1,223.56	0.00%
Total	15,839,951															
		Col 1 / [kWh Sales] (Rnd to 6 dec.)	Col 2 * (1 + SUT Rate) Rnd 6	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	0.02%	0.03%	0.02%	0.02%	0.03%	0.03%	0.04%						
			Oct 20 - Sep 21	0.03%	0.04%	0.03%	0.04%	0.05%	0.06%	0.06%						
			Oct 21 - Sep 22	0.04%	0.05%	0.04%	0.04%	0.06%	0.06%	0.07%						
			Oct 22 - Sep 23	0.03%	0.04%	0.03%	0.03%	0.04%	0.05%	0.05%						
			Oct 23 - Sep 24	0.02%	0.03%	0.02%	0.03%	0.03%	0.04%	0.04%						
			Oct 24 - Sep 25	0.02%	0.02%	0.02%	0.02%	0.03%	0.03%	0.04%						
			Oct 25 - Sep 26	0.02%	0.02%	0.02%	0.02%	0.03%	0.03%	0.03%						
			Oct 26 - Sep 27	0.02%	0.02%	0.02%	0.02%	0.03%	0.03%	0.03%						
			Oct 27 - Sep 28	0.02%	0.03%	0.02%	0.02%	0.03%	0.03%	0.04%						
			Oct 28 - Sep 29	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%						
			Oct 29 - Sep 30	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
			Oct 30 - Sep 31	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
			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 July 1, 2019

**PSE&G EE 2017 Program Extension Incremental Impact
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.
0.002287 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)	(15)	(16)			
Gas EE17 Ext Incremental Revenue Requirements ²	Gas EE17extC* w/o SUT (\$/therm)	Gas EE17extC* 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	Change in RSG Typical Annual Bill (\$'s)	RSG Typical Annual Bill (\$'s) ⁴	% Change in RSG Typical Annual Bill			
Current			0.855587	1.013816	0.840580	0.718989	0.662793	0.445991	0.39	0.20	0.07	2.38		889.81				
Oct 19 - Sep 20	1,093,616	0.000392	0.856005	1.014234	0.840978	0.719407	0.663211	0.446383	0.46	0.24	0.08	2.80	\$0.42	890.23	0.05%			
Oct 20 - Sep 21	1,941,746	0.000696	0.856329	1.014558	0.841302	0.719731	0.663535	0.446687	0.52	0.27	0.09	3.16	\$0.78	890.69	0.09%			
Oct 21 - Sep 22	2,416,094	0.000866	0.856510	1.014739	0.841463	0.719912	0.663716	0.446857	0.55	0.28	0.09	3.30	\$0.92	890.73	0.10%			
Oct 22 - Sep 23	1,889,628	0.000677	0.856309	1.014538	0.841282	0.719711	0.663515	0.446668	0.51	0.27	0.09	3.12	\$0.74	890.55	0.08%			
Oct 23 - Sep 24	1,551,505	0.000556	0.856180	1.014409	0.841153	0.719582	0.663386	0.446547	0.49	0.25	0.08	2.94	\$0.56	890.37	0.06%			
Oct 24 - Sep 25	1,367,385	0.000490	0.856109	1.014338	0.841082	0.719511	0.663315	0.446481	0.48	0.25	0.08	2.90	\$0.52	890.33	0.06%			
Oct 25 - Sep 26	1,265,905	0.000454	0.856071	1.014300	0.841044	0.719473	0.663277	0.446445	0.47	0.24	0.08	2.84	\$0.46	890.27	0.05%			
Oct 26 - Sep 27	1,398,131	0.000501	0.856121	1.014350	0.841094	0.719523	0.663327	0.446492	0.48	0.25	0.08	2.90	\$0.52	890.33	0.06%			
Oct 27 - Sep 28	1,287,811	0.000461	0.856079	1.014308	0.841052	0.719481	0.663285	0.446452	0.47	0.25	0.08	2.86	\$0.48	890.29	0.05%			
Oct 28 - Sep 29	251,188	0.000090	0.855693	1.013912	0.840656	0.719085	0.662889	0.446081	0.41	0.21	0.07	2.48	-\$0.10	889.91	0.01%			
Oct 29 - Sep 30	(61,936)	(0.000029)	0.855556	1.013785	0.840529	0.718958	0.662762	0.445962	0.38	0.20	0.06	2.28	-\$0.10	889.71	-0.01%			
Oct 30 - Sep 31	(76,965)	(0.000028)	0.855557	1.013786	0.840530	0.718959	0.662763	0.445963	0.38	0.20	0.06	2.28	-\$0.10	889.71	-0.01%			
Oct 31 - Sep 32	(27,602)	(0.000010)	0.855576	1.013805	0.840549	0.718978	0.662782	0.445981	0.39	0.20	0.07	2.38	\$0.00	889.81	0.00%			
Total	14,276,506																	
From Schedule SS-EE17-3G Col 18	Col 1 / Therm Sales	Col 2 * (1 + SUT Rate) Rnd 6	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			0.05%	0.04%	0.05%	0.06%	0.06%	0.09%										
Oct 20 - Sep 21			0.09%	0.07%	0.09%	0.10%	0.11%	0.17%										
Oct 21 - Sep 22			0.11%	0.09%	0.11%	0.13%	0.14%	0.21%										
Oct 22 - Sep 23			0.08%	0.07%	0.09%	0.10%	0.11%	0.16%										
Oct 23 - Sep 24			0.07%	0.06%	0.07%	0.08%	0.09%	0.13%										
Oct 24 - Sep 25			0.06%	0.05%	0.06%	0.07%	0.08%	0.12%										
Oct 25 - Sep 26			0.06%	0.05%	0.06%	0.07%	0.07%	0.11%										
Oct 26 - Sep 27			0.06%	0.05%	0.06%	0.07%	0.08%	0.12%										
Oct 27 - Sep 28			0.06%	0.05%	0.06%	0.07%	0.07%	0.11%										
Oct 28 - Sep 29			0.01%	0.01%	0.01%	0.01%	0.01%	0.02%										
Oct 29 - Sep 30			0.00%	0.00%	0.00%	0.00%	0.00%	-0.01%										
Oct 30 - Sep 31			0.00%	0.00%	0.00%	0.00%	0.00%	-0.01%										
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 March 1, 2017

PSE&G EE 2017 Program Cumulative Impact
Electric Revenue Requirements Calculation

Attachment A

Actual results through March 31, 2019

	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
	Net Investment	Return Requirement	Program Investment Repayments	Fixed Administrative Allowance	Evaluation / IT Residential Data Analytics / Smart Thermostat	Net Capacity Revenue	Tax Adjustment	Tax Adjustment Excess Deferred Flow Thru	Revenue Requirements	Return Requirement at Previous WACC	Impact of Change in WACC	Revenue Requirement at Previous WACC
Monthly Calculation												
Sep-19	15,350,053	109,734	(60,977)	334,063	6,593	49	(11,215)	-	644,087	108,548	-	644,087
Oct-19	17,187,372	122,243	(66,325)	334,063	10,605	44	(10,963)	-	687,310	120,922	-	687,310
Nov-19	19,181,763	136,639	(70,922)	334,063	10,605	49	(5,668)	-	732,508	135,162	-	732,508
Dec-19	20,134,488	147,711	(81,384)	334,063	10,607	44	(3,594)	-	749,205	148,115	-	749,205
Jan-20	20,747,523	153,594	(109,587)	204,766	11,130	44	(14,122)	-	601,813	151,934	-	601,813
Feb-20	21,658,274	159,319	(134,048)	204,766	11,121	60	(22,335)	-	593,419	157,597	-	593,419
Mar-20	22,654,782	166,484	(137,029)	204,766	11,121	44	(21,376)	-	617,997	164,685	-	617,997
Apr-20	23,194,466	172,256	(143,777)	204,766	11,121	49	(23,214)	-	628,567	170,394	-	628,567
May-20	24,263,748	178,301	(153,297)	204,766	11,121	44	(24,844)	-	644,590	176,374	-	644,590
Jun-20	25,231,209	185,953	(158,072)	204,766	11,121	-	(22,226)	-	667,355	183,943	-	667,355
Jul-20	25,607,363	191,001	(167,473)	204,766	11,121	-	(23,096)	-	671,479	188,936	-	671,479
Aug-20	25,839,952	193,288	(185,443)	204,766	11,121	-	(28,890)	-	658,661	191,199	-	658,661
Sep-20	26,737,726	197,534	(197,397)	204,766	11,121	-	(28,434)	-	667,440	195,400	-	667,440
	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	6,102,986	124,360	(77,581)	2,726,847	463,978	-	(13,858)	-	3,569,651	123,621	739	3,568,912
2019	20,134,488	1,088,145	(696,712)	3,459,468	85,847	12,444	(124,866)	-	6,411,049	1,076,386	-	6,411,049
2020	26,884,457	2,199,004	(2,028,301)	2,457,188	133,456	242	(310,877)	-	7,729,195	2,175,240	-	7,729,195
2021	29,555,146	2,537,038	(2,895,867)	1,752,708	123,600	-	(416,976)	-	7,812,569	2,509,621	-	7,812,569
2022	27,225,010	2,610,980	(3,369,856)	556,715	60,179	-	(340,511)	-	7,264,767	2,582,764	-	7,264,767
2023	20,769,866	2,163,801	(3,143,806)	201,951	60,179	-	(149,496)	-	7,032,049	2,140,418	-	7,032,049
2024	14,314,721	1,581,754	(2,952,689)	14,806	-	-	(74,767)	-	6,468,524	1,564,660	-	6,468,524
2025	8,101,845	1,003,810	(2,190,776)	15,250	-	-	206,675	-	6,613,857	992,962	-	6,613,857
2026	3,612,519	510,188	(1,416,679)	15,708	-	-	378,277	-	4,799,991	504,675	-	4,799,991
2027	1,298,742	209,620	(457,195)	16,179	-	-	418,789	-	2,808,331	207,355	-	2,808,331
2028	163,166	56,639	(25,051)	16,664	-	-	354,632	-	1,590,238	58,027	-	1,590,238
2029	(0)	4,449	(25,051)	17,164	-	-	92,831	-	241,553	4,401	-	241,553
2030	(0)	(0)	(25,051)	4,841	-	-	(9,795)	-	(30,006)	(0)	-	(30,006)
2031	(0)	(0)	(21,210)	4,986	-	-	(8,293)	-	(24,518)	(0)	-	(24,518)
2032	(0)	(0)	(4,509)	-	-	-	(1,763)	-	(6,272)	(0)	-	(6,272)
Total		14,089,787	(19,330,336)	11,947,090	952,424	12,686	0		62,967,595			62,966,856
Oct 19 - Sep 20		2,004,321	(1,604,757)	2,845,081	131,915	379	(228,762)		7,920,346			7,920,346

PSE&G EE 2017 Program Cumulative Impact
Gas Revenue Requirements Calculation

Attachment A

Actual results through March 31, 2019

	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
	Net Investment	Return Requirement	Program Investment Repayments	Fixed Administrative Allowance	Evaluation / IT Residential Data Analytics / Smart Thermostat	Cost Offsets	Tax Adjustment	Tax Adjustment Excess Deferred Flow Thru	Revenue Requirements	Return Requirement at Previous WACC	Impact of Change in WACC	Revenue Requirement at Previous WACC
Monthly Calculation												
Sep-19	9,786,469	71,619	(9,286)	206,161	7,057	-	(1,269)	-	448,596	70,845	-	448,596
Oct-19	11,436,188	79,734	(9,567)	206,161	10,962	-	2,264	-	490,000	78,872	-	490,000
Nov-19	12,353,490	89,378	(9,809)	206,161	10,962	-	5,319	-	517,168	88,412	-	517,168
Dec-19	12,738,031	94,269	(22,963)	206,161	10,962	-	2,614	-	512,910	93,250	-	512,910
Jan-20	13,375,538	98,109	(34,366)	126,367	11,740	-	(1,826)	-	435,342	97,048	-	435,342
Feb-20	14,168,915	103,485	(43,244)	126,367	11,735	-	(3,905)	-	444,662	102,366	-	444,662
Mar-20	15,617,184	111,906	(43,401)	126,367	11,735	-	(695)	-	480,309	110,697	-	480,309
Apr-20	15,634,080	117,411	(48,460)	126,367	11,735	-	(2,631)	-	482,562	116,142	-	482,562
May-20	16,551,039	120,919	(60,273)	126,367	11,735	-	(4,060)	-	488,554	119,613	-	488,554
Jun-20	16,980,977	125,980	(60,524)	126,367	11,735	-	(2,413)	-	504,246	124,618	-	504,246
Jul-20	17,619,625	129,994	(72,046)	126,367	11,735	-	(1,991)	-	506,844	128,590	-	506,844
Aug-20	18,032,703	133,946	(78,393)	126,367	11,735	-	(1,469)	-	512,973	132,498	-	512,973
Sep-20	18,997,898	139,124	(96,136)	126,367	11,735	-	(2,413)	-	513,863	137,621	-	513,863
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' wksh	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	12,738,031	691,176	(116,113)	2,134,942	92,339	-	956	-	4,488,967	683,707	-	4,486,967
2020	19,517,805	1,512,537	(900,460)	1,516,405	140,820	-	(51,939)	-	5,859,604	1,496,191	-	5,859,604
2021	22,455,212	1,881,157	(1,864,631)	1,081,649	126,423	-	(190,603)	-	5,901,038	1,860,829	-	5,901,038
2022	20,646,761	1,989,789	(2,585,959)	343,565	58,571	-	(258,685)	-	5,265,060	1,968,286	-	5,265,060
2023	15,878,606	1,646,710	(2,832,937)	124,630	58,571	-	(289,195)	-	4,521,825	1,628,914	-	4,521,825
2024	11,110,451	1,216,775	(2,743,435)	9,137	-	-	(254,198)	-	4,042,326	1,203,626	-	4,042,326
2025	6,458,659	788,448	(1,989,070)	9,411	-	-	38,204	-	4,501,743	779,927	-	4,501,743
2026	2,934,218	411,508	(1,038,976)	9,694	-	-	365,911	-	3,878,518	407,061	-	3,878,518
2027	1,000,251	167,185	(331,907)	9,984	-	-	388,590	-	2,405,658	165,378	-	2,405,658
2028	116,699	42,115	(61,036)	10,284	-	-	256,163	-	1,196,531	41,660	-	1,196,531
2029	0	2,517	(61,036)	10,592	-	-	42,196	-	90,538	2,490	-	90,538
2030	0	0	(61,036)	2,987	-	-	(23,866)	-	(81,914)	0	-	(81,914)
2031	0	0	(51,677)	3,077	-	-	(20,206)	-	(68,806)	0	-	(68,806)
2032	0	0	(10,986)	-	-	-	(4,296)	-	(15,282)	0	-	(15,282)
Total		10,407,794	(14,653,340)	7,372,910	935,913	-	0	-	44,761,606			44,761,194
Oct 19 - Sep 20		1,344,254	(579,202)	1,755,786	138,503	-	(11,206)	-	5,889,433			5,889,433

**PSE&G EE 2017 Program Cumulative Impact
Electric GPRC Recovery Charge (GPRC) - Rate Impact Analysis**

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)

0.001679 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)	(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					
																Electric EE17 Cumulative Revenue Requirements ²	Electric EE17C w/o SUT (\$/kWh)
Current			0.176815	0.140495	0.177044	0.159177	0.125285	0.109938	0.096307	1.24	0.83	11.60		1,223.56			
Oct 17 - Sep 19*	8,498,294		0.176815	0.140495	0.177044	0.159177	0.125285	0.109938	0.096307	1.24	0.83	11.60		1,223.56	0.00%		
Oct 19 - Sep 20	7,920,346	0.000191	0.177019	0.140699	0.177248	0.159381	0.125489	0.110142	0.096511	1.39	0.93	13.00	\$1.40	1,224.96	0.11%		
Oct 20 - Sep 21	7,727,244	0.000187	0.177014	0.140694	0.177243	0.159376	0.125484	0.110137	0.096506	1.39	0.93	13.00	\$1.40	1,224.96	0.11%		
Oct 21 - Sep 22	7,501,302	0.000181	0.177008	0.140688	0.177237	0.159370	0.125478	0.110131	0.096500	1.38	0.92	12.88	\$1.28	1,224.84	0.10%		
Oct 22 - Sep 23	7,100,394	0.000172	0.176998	0.140678	0.177227	0.159360	0.125468	0.110121	0.096490	1.37	0.92	12.84	\$1.24	1,224.80	0.10%		
Oct 23 - Sep 24	6,657,875	0.000161	0.176987	0.140667	0.177216	0.159349	0.125457	0.110110	0.096479	1.37	0.92	12.84	\$1.24	1,224.80	0.10%		
Oct 24 - Sep 25	6,607,465	0.000160	0.176986	0.140666	0.177215	0.159348	0.125456	0.110109	0.096478	1.35	0.90	12.60	\$1.00	1,224.56	0.08%		
Oct 25 - Sep 26	5,410,099	0.000131	0.176955	0.140635	0.177184	0.159317	0.125425	0.110078	0.096447	1.30	0.87	12.16	\$0.56	1,224.12	0.05%		
Oct 26 - Sep 27	3,148,755	0.000076	0.176898	0.140576	0.177125	0.159258	0.125366	0.110019	0.096388	1.28	0.86	12.00	\$0.40	1,223.96	0.03%		
Oct 27 - Sep 28	1,997,090	0.000048	0.176866	0.140546	0.177095	0.159228	0.125336	0.109989	0.096358	1.25	0.84	11.72	\$0.12	1,223.68	0.01%		
Oct 28 - Sep 29	463,949	0.000011	0.176827	0.140507	0.177056	0.159189	0.125297	0.109950	0.096319	1.24	0.83	11.60	\$0.00	1,223.56	0.00%		
Oct 29 - Sep 30	(26,925)	(0.000001)	0.176814	0.140494	0.177043	0.159176	0.125284	0.109937	0.096306	1.24	0.83	11.60	\$0.00	1,223.56	0.00%		
Oct 30 - Sep 31	(27,894)	(0.000001)	0.176814	0.140494	0.177043	0.159176	0.125284	0.109937	0.096306	1.24	0.83	11.60	\$0.00	1,223.56	0.00%		
Oct 31 - Sep 32	(10,398)		0.176815	0.140495	0.177044	0.159177	0.125285	0.109938	0.096307	1.24	0.83	11.60	\$0.00	1,223.56	0.00%		
Total	62,967,595																
			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	0.12%	0.15%	0.12%	0.13%	0.16%	0.19%	0.21%							
			Oct 20 - Sep 21	0.11%	0.14%	0.11%	0.13%	0.16%	0.18%	0.21%							
			Oct 21 - Sep 22	0.11%	0.14%	0.11%	0.12%	0.15%	0.18%	0.20%							
			Oct 22 - Sep 23	0.10%	0.13%	0.10%	0.11%	0.15%	0.17%	0.19%							
			Oct 23 - Sep 24	0.10%	0.12%	0.10%	0.11%	0.14%	0.16%	0.18%							
			Oct 24 - Sep 25	0.10%	0.12%	0.10%	0.11%	0.14%	0.16%	0.18%							
			Oct 25 - Sep 26	0.08%	0.10%	0.08%	0.09%	0.11%	0.13%	0.15%							
			Oct 26 - Sep 27	0.05%	0.06%	0.05%	0.05%	0.06%	0.07%	0.08%							
			Oct 27 - Sep 28	0.03%	0.04%	0.03%	0.03%	0.04%	0.05%	0.05%							
			Oct 28 - Sep 29	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%							
			Oct 29 - Sep 30	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
			Oct 30 - Sep 31	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
			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 July 1, 2019

**PSE&G EE 2017 Program Cumulative Impact
Gas GPRC Recovery Charge (GPRC) - Rate Impact Analysis**

Attachment A

6.625% SUT Rate
2,791,331 Therm Sales (000) Oct 19 - Sep 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)	(15)	(16)	
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	Change in RSG Typical Annual Bill (\$'s)	RSG Typical Annual Bill (\$'s) ⁴	% Change in RSG Typical Annual Bill	
Current			0.855587	1.013816	0.840560	0.718989	0.662793	0.445991	0.39	0.20	0.07	2.38		889.81	0.00%	
Oct 17 - Sep 19*	5,744,690		0.855587	1.013816	0.840560	0.718989	0.662793	0.445991	0.39	0.20	0.07	2.38	\$0.00	889.81	0.00%	
Oct 19 - Sep 20	5,889,433	0.002110	0.857837	1.016066	0.842810	0.721239	0.665043	0.448101	0.78	0.40	0.13	4.70	\$2.32	892.13	0.26%	
Oct 20 - Sep 21	5,844,967	0.002094	0.857820	1.016049	0.842793	0.721222	0.665026	0.448085	0.77	0.40	0.13	4.66	\$2.28	892.09	0.26%	
Oct 21 - Sep 22	5,554,188	0.001990	0.857709	1.015938	0.842682	0.721111	0.664915	0.447981	0.75	0.39	0.13	4.56	\$2.18	891.99	0.24%	
Oct 22 - Sep 23	4,685,980	0.001679	0.857377	1.015606	0.842350	0.720779	0.664583	0.447670	0.70	0.36	0.12	4.24	\$1.86	891.67	0.21%	
Oct 23 - Sep 24	4,149,490	0.001487	0.857173	1.015402	0.842146	0.720575	0.664379	0.447478	0.66	0.34	0.11	3.98	\$1.60	891.41	0.18%	
Oct 24 - Sep 25	4,302,641	0.001541	0.857230	1.015459	0.842203	0.720632	0.664436	0.447532	0.67	0.35	0.11	4.04	\$1.66	891.47	0.19%	
Oct 25 - Sep 26	4,253,167	0.001524	0.857212	1.015441	0.842185	0.720614	0.664418	0.447515	0.67	0.35	0.11	4.04	\$1.66	891.47	0.19%	
Oct 26 - Sep 27	2,712,682	0.000972	0.856823	1.014852	0.841596	0.720025	0.663829	0.446963	0.57	0.29	0.10	3.46	\$1.08	890.89	0.12%	
Oct 27 - Sep 28	1,549,409	0.000555	0.856179	1.014408	0.841152	0.719581	0.663385	0.446546	0.49	0.25	0.08	2.94	\$0.56	890.37	0.06%	
Oct 28 - Sep 29	259,539	0.000093	0.855686	1.013915	0.840659	0.719088	0.662892	0.446084	0.41	0.21	0.07	2.48	\$0.10	889.91	0.01%	
Oct 29 - Sep 30	(80,013)	(0.000029)	0.855556	1.013785	0.840529	0.718958	0.662762	0.445962	0.38	0.20	0.06	2.28	-\$0.10	889.71	-0.01%	
Oct 30 - Sep 31	(76,965)	(0.000028)	0.855557	1.013786	0.840530	0.718959	0.662763	0.445963	0.38	0.20	0.06	2.28	-\$0.10	889.71	-0.01%	
Oct 31 - Sep 32	(27,602)	(0.000010)	0.855576	1.013805	0.840549	0.718978	0.662782	0.445981	0.39	0.20	0.07	2.38	\$0.00	889.81	0.00%	
Total	44,761,606															
From Schedule SS-EE17-3G Col 18	Col 1 / Therm Sales	Col 2 * (1 + SUT Rate) Rnd 6	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	0.26%	0.22%	0.27%	0.31%	0.34%	0.50%								
		Oct 20 - Sep 21	0.26%	0.22%	0.27%	0.31%	0.34%	0.50%								
		Oct 21 - Sep 22	0.25%	0.21%	0.25%	0.30%	0.32%	0.48%								
		Oct 22 - Sep 23	0.21%	0.18%	0.21%	0.25%	0.27%	0.40%								
		Oct 23 - Sep 24	0.19%	0.16%	0.19%	0.22%	0.24%	0.36%								
		Oct 24 - Sep 25	0.19%	0.16%	0.20%	0.23%	0.25%	0.37%								
		Oct 25 - Sep 26	0.19%	0.16%	0.19%	0.23%	0.25%	0.36%								
		Oct 26 - Sep 27	0.12%	0.10%	0.12%	0.14%	0.16%	0.23%								
		Oct 27 - Sep 28	0.07%	0.06%	0.07%	0.08%	0.09%	0.13%								
		Oct 28 - Sep 29	0.01%	0.01%	0.01%	0.01%	0.01%	0.02%								
		Oct 29 - Sep 30	0.00%	0.00%	0.00%	0.00%	0.00%	-0.01%								
		Oct 30 - Sep 31	0.00%	0.00%	0.00%	0.00%	0.00%	-0.01%								
		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 March 1, 2017

Attachment A

Fixed Administrative Allowance

	Original EE17			Incremental Extension			Updated Cumulative EE17		
	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	429,189	265,402	163,787	111,035	68,662	42,373	540,224	334,063	206,161
Oct-19	429,189	265,402	163,787	111,035	68,662	42,373	540,224	334,063	206,161
Nov-19	429,189	265,402	163,787	111,035	68,662	42,373	540,224	334,063	206,161
Dec-19	429,189	265,402	163,787	111,035	68,662	42,373	540,224	334,063	206,161
Jan-20	184,144	113,871	70,273	146,989	90,895	56,094	331,133	204,766	126,367
Feb-20	184,144	113,871	70,273	146,989	90,895	56,094	331,133	204,766	126,367
Mar-20	184,144	113,871	70,273	146,989	90,895	56,094	331,133	204,766	126,367
Apr-20	184,144	113,871	70,273	146,989	90,895	56,094	331,133	204,766	126,367
May-20	184,144	113,871	70,273	146,989	90,895	56,094	331,133	204,766	126,367
Jun-20	184,144	113,871	70,273	146,989	90,895	56,094	331,133	204,766	126,367
Jul-20	184,144	113,871	70,273	146,989	90,895	56,094	331,133	204,766	126,367
Aug-20	184,144	113,871	70,273	146,989	90,895	56,094	331,133	204,766	126,367
Sep-20	184,144	113,871	70,273	146,989	90,895	56,094	331,133	204,766	126,367
Oct-20	184,144	113,871	70,273	146,989	90,895	56,094	331,133	204,766	126,367
Nov-20	184,144	113,871	70,273	146,989	90,895	56,094	331,133	204,766	126,367
Dec-20	184,144	113,871	70,273	146,989	90,895	56,094	331,133	204,766	126,367
Jan-21	64,521	39,898	24,622	171,676	106,161	65,515	236,196	146,059	90,137
Feb-21	64,521	39,898	24,622	171,676	106,161	65,515	236,196	146,059	90,137
Mar-21	64,521	39,898	24,622	171,676	106,161	65,515	236,196	146,059	90,137
Apr-21	64,521	39,898	24,622	171,676	106,161	65,515	236,196	146,059	90,137
May-21	64,521	39,898	24,622	171,676	106,161	65,515	236,196	146,059	90,137
Jun-21	64,521	39,898	24,622	171,676	106,161	65,515	236,196	146,059	90,137
Jul-21	64,521	39,898	24,622	171,676	106,161	65,515	236,196	146,059	90,137
Aug-21	64,521	39,898	24,622	171,676	106,161	65,515	236,196	146,059	90,137
Sep-21	64,521	39,898	24,622	171,676	106,161	65,515	236,196	146,059	90,137
Oct-21	64,521	39,898	24,622	171,676	106,161	65,515	236,196	146,059	90,137
Nov-21	64,521	39,898	24,622	171,676	106,161	65,515	236,196	146,059	90,137
Dec-21	64,521	39,898	24,622	171,676	106,161	65,515	236,196	146,059	90,137
Jan-22	1,366	845	521	73,658	45,548	28,109	75,023	46,393	28,630

Attachment A

Fixed Administrative Allowance

	Original EE17			Incremental Extension			Updated Cumulative EE17		
	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas
Feb-22	1,366	845	521	73,658	45,548	28,109	75,023	46,393	28,630
Mar-22	1,366	845	521	73,658	45,548	28,109	75,023	46,393	28,630
Apr-22	1,366	845	521	73,658	45,548	28,109	75,023	46,393	28,630
May-22	1,366	845	521	73,658	45,548	28,109	75,023	46,393	28,630
Jun-22	1,366	845	521	73,658	45,548	28,109	75,023	46,393	28,630
Jul-22	1,366	845	521	73,658	45,548	28,109	75,023	46,393	28,630
Aug-22	1,366	845	521	73,658	45,548	28,109	75,023	46,393	28,630
Sep-22	1,366	845	521	73,658	45,548	28,109	75,023	46,393	28,630
Oct-22	1,366	845	521	73,658	45,548	28,109	75,023	46,393	28,630
Nov-22	1,366	845	521	73,658	45,548	28,109	75,023	46,393	28,630
Dec-22	1,366	845	521	73,658	45,548	28,109	75,023	46,393	28,630
Jan-23	1,407	870	537	25,808	15,959	9,849	27,215	16,829	10,386
Feb-23	1,407	870	537	25,808	15,959	9,849	27,215	16,829	10,386
Mar-23	1,407	870	537	25,808	15,959	9,849	27,215	16,829	10,386
Apr-23	1,407	870	537	25,808	15,959	9,849	27,215	16,829	10,386
May-23	1,407	870	537	25,808	15,959	9,849	27,215	16,829	10,386
Jun-23	1,407	870	537	25,808	15,959	9,849	27,215	16,829	10,386
Jul-23	1,407	870	537	25,808	15,959	9,849	27,215	16,829	10,386
Aug-23	1,407	870	537	25,808	15,959	9,849	27,215	16,829	10,386
Sep-23	1,407	870	537	25,808	15,959	9,849	27,215	16,829	10,386
Oct-23	1,407	870	537	25,808	15,959	9,849	27,215	16,829	10,386
Nov-23	1,407	870	537	25,808	15,959	9,849	27,215	16,829	10,386
Dec-23	1,407	870	537	25,808	15,959	9,849	27,215	16,829	10,386
Jan-24	1,449	896	553	546	338	208	1,995	1,234	761
Feb-24	1,449	896	553	546	338	208	1,995	1,234	761
Mar-24	1,449	896	553	546	338	208	1,995	1,234	761
Apr-24	1,449	896	553	546	338	208	1,995	1,234	761
May-24	1,449	896	553	546	338	208	1,995	1,234	761
Jun-24	1,449	896	553	546	338	208	1,995	1,234	761
Jul-24	1,449	896	553	546	338	208	1,995	1,234	761
Aug-24	1,449	896	553	546	338	208	1,995	1,234	761
Sep-24	1,449	896	553	546	338	208	1,995	1,234	761
Oct-24	1,449	896	553	546	338	208	1,995	1,234	761
Nov-24	1,449	896	553	546	338	208	1,995	1,234	761
Dec-24	1,449	896	553	546	338	208	1,995	1,234	761
Jan-25	1,492	923	570	563	348	215	2,055	1,271	784
Feb-25	1,492	923	570	563	348	215	2,055	1,271	784
Mar-25	1,492	923	570	563	348	215	2,055	1,271	784
Apr-25	1,492	923	570	563	348	215	2,055	1,271	784
May-25	1,492	923	570	563	348	215	2,055	1,271	784
Jun-25	1,492	923	570	563	348	215	2,055	1,271	784
Jul-25	1,492	923	570	563	348	215	2,055	1,271	784
Aug-25	1,492	923	570	563	348	215	2,055	1,271	784
Sep-25	1,492	923	570	563	348	215	2,055	1,271	784
Oct-25	1,492	923	570	563	348	215	2,055	1,271	784
Nov-25	1,492	923	570	563	348	215	2,055	1,271	784
Dec-25	1,492	923	570	563	348	215	2,055	1,271	784
Jan-26	1,537	951	587	580	358	221	2,117	1,309	808
Feb-26	1,537	951	587	580	358	221	2,117	1,309	808
Mar-26	1,537	951	587	580	358	221	2,117	1,309	808
Apr-26	1,537	951	587	580	358	221	2,117	1,309	808
May-26	1,537	951	587	580	358	221	2,117	1,309	808

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Fixed Administrative Allowance

	Original EE17			Incremental Extension			Updated Cumulative EE17		
	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas
Jun-26	1,537	951	587	580	358	221	2,117	1,309	808
Jul-26	1,537	951	587	580	358	221	2,117	1,309	808
Aug-26	1,537	951	587	580	358	221	2,117	1,309	808
Sep-26	1,537	951	587	580	358	221	2,117	1,309	808
Oct-26	1,537	951	587	580	358	221	2,117	1,309	808
Nov-26	1,537	951	587	580	358	221	2,117	1,309	808
Dec-26	1,537	951	587	580	358	221	2,117	1,309	808
Jan-27	1,583	979	604	597	369	228	2,180	1,348	832
Feb-27	1,583	979	604	597	369	228	2,180	1,348	832
Mar-27	1,583	979	604	597	369	228	2,180	1,348	832
Apr-27	1,583	979	604	597	369	228	2,180	1,348	832
May-27	1,583	979	604	597	369	228	2,180	1,348	832
Jun-27	1,583	979	604	597	369	228	2,180	1,348	832
Jul-27	1,583	979	604	597	369	228	2,180	1,348	832
Aug-27	1,583	979	604	597	369	228	2,180	1,348	832
Sep-27	1,583	979	604	597	369	228	2,180	1,348	832
Oct-27	1,583	979	604	597	369	228	2,180	1,348	832
Nov-27	1,583	979	604	597	369	228	2,180	1,348	832
Dec-27	1,583	979	604	597	369	228	2,180	1,348	832
Jan-28	1,631	1,008	622	615	380	235	2,246	1,389	857
Feb-28	1,631	1,008	622	615	380	235	2,246	1,389	857
Mar-28	1,631	1,008	622	615	380	235	2,246	1,389	857
Apr-28	1,631	1,008	622	615	380	235	2,246	1,389	857
May-28	1,631	1,008	622	615	380	235	2,246	1,389	857
Jun-28	1,631	1,008	622	615	380	235	2,246	1,389	857
Jul-28	1,631	1,008	622	615	380	235	2,246	1,389	857
Aug-28	1,631	1,008	622	615	380	235	2,246	1,389	857
Sep-28	1,631	1,008	622	615	380	235	2,246	1,389	857
Oct-28	1,631	1,008	622	615	380	235	2,246	1,389	857
Nov-28	1,631	1,008	622	615	380	235	2,246	1,389	857
Dec-28	1,631	1,008	622	615	380	235	2,246	1,389	857
Jan-29	1,680	1,039	641	633	392	242	2,313	1,430	883
Feb-29	1,680	1,039	641	633	392	242	2,313	1,430	883
Mar-29	1,680	1,039	641	633	392	242	2,313	1,430	883
Apr-29	1,680	1,039	641	633	392	242	2,313	1,430	883
May-29	1,680	1,039	641	633	392	242	2,313	1,430	883
Jun-29	1,680	1,039	641	633	392	242	2,313	1,430	883
Jul-29	1,680	1,039	641	633	392	242	2,313	1,430	883
Aug-29	1,680	1,039	641	633	392	242	2,313	1,430	883
Sep-29	1,680	1,039	641	633	392	242	2,313	1,430	883
Oct-29	1,680	1,039	641	633	392	242	2,313	1,430	883
Nov-29	1,680	1,039	641	633	392	242	2,313	1,430	883
Dec-29	1,680	1,039	641	633	392	242	2,313	1,430	883
Jan-30	-	-	-	652	403	249	652	403	249
Feb-30	-	-	-	652	403	249	652	403	249
Mar-30	-	-	-	652	403	249	652	403	249
Apr-30	-	-	-	652	403	249	652	403	249
May-30	-	-	-	652	403	249	652	403	249
Jun-30	-	-	-	652	403	249	652	403	249
Jul-30	-	-	-	652	403	249	652	403	249
Aug-30	-	-	-	652	403	249	652	403	249
Sep-30	-	-	-	652	403	249	652	403	249

Attachment A

Fixed Administrative Allowance

	Original EE17			Incremental Extension			Updated Cumulative EE17		
	Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas
Oct-30	-	-	-	652	403	249	652	403	249
Nov-30	-	-	-	652	403	249	652	403	249
Dec-30	-	-	-	652	403	249	652	403	249
Jan-31	-	-	-	672	415	256	672	415	256
Feb-31	-	-	-	672	415	256	672	415	256
Mar-31	-	-	-	672	415	256	672	415	256
Apr-31	-	-	-	672	415	256	672	415	256
May-31	-	-	-	672	415	256	672	415	256
Jun-31	-	-	-	672	415	256	672	415	256
Jul-31	-	-	-	672	415	256	672	415	256
Aug-31	-	-	-	672	415	256	672	415	256
Sep-31	-	-	-	672	415	256	672	415	256
Oct-31	-	-	-	672	415	256	672	415	256
Nov-31	-	-	-	672	415	256	672	415	256
Dec-31	-	-	-	672	415	256	672	415	256
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	13,800,000	8,533,636	5,266,364	5,520,000	3,413,454	2,106,546	19,320,000	11,947,090	7,372,910

Attachment A

Fixed Administrative Allowance

	Original EE17			Incremental Extension			Updated Cumulative EE17		
	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	5,150,270	3,184,821	1,965,449	444,140	274,647	169,493	5,594,410	3,459,468	2,134,942
2020	2,209,727	1,366,450	843,277	1,763,866	1,090,739	673,128	3,973,593	2,457,188	1,516,405
2021	774,249	478,780	295,469	2,060,108	1,273,928	786,180	2,834,357	1,752,708	1,081,649
2022	16,389	10,135	6,254	883,891	546,580	337,311	900,280	556,715	343,565
2023	16,881	10,439	6,442	309,700	191,512	118,188	326,581	201,951	124,630
2024	17,387	10,752	6,635	6,556	4,054	2,502	23,943	14,806	9,137
2025	17,909	11,075	6,834	6,752	4,176	2,577	24,661	15,250	9,411
2026	18,446	11,407	7,039	6,955	4,301	2,654	25,401	15,708	9,694
2027	19,000	11,749	7,251	7,164	4,430	2,734	26,163	16,179	9,984
2028	19,570	12,101	7,468	7,379	4,563	2,816	26,948	16,664	10,284
2029	20,157	12,464	7,692	7,600	4,700	2,900	27,757	17,164	10,592
2030	-	-	-	7,828	4,841	2,987	7,828	4,841	2,987
2031	-	-	-	8,063	4,986	3,077	8,063	4,986	3,077
2032	-	-	-	-	-	-	-	-	-
Total	13,800,000	8,533,636	5,266,364	5,520,000	3,413,454	2,106,546	19,320,000	11,947,090	7,372,910