

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

**METROPOLITAN EDISON COMPANY
DOCKET NO. R-2014-2428745**

**PENNSYLVANIA ELECTRIC COMPANY
DOCKET NO. R-2014-2428743**

**PENNSYLVANIA POWER COMPANY
DOCKET NO. R-2014-2428744**

**WEST PENN POWER COMPANY
DOCKET NO. R-2014-2428742**

**Direct Testimony
of
Kevin M. Siedt**

List of Topics Addressed

**Sales and Revenues Normalization
Rate Design
Customer Impact Analysis
Proof of Revenues**

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1 **DIRECT TESTIMONY**
2 **OF**
3 **KEVIN M. SIEDT**

4 **I. INTRODUCTION AND BACKGROUND**

5 **Q. Please state your name and business address.**

6 A. My name is Kevin M. Siedt. My business address is 2800 Pottsville Pike, Reading,
7 Pennsylvania 19612.

8 **Q. By whom are you employed and in what capacity?**

9 A. I am employed by FirstEnergy Service Company as an Analyst in the Rates and
10 Regulatory Affairs Department – Pennsylvania.

11 **Q. What are your responsibilities as an Analyst?**

12 A. Generally, the Rates and Regulatory Affairs Department provides regulatory support for
13 Metropolitan Edison Company (“Met-Ed”), Pennsylvania Electric Company (“Penelec”),
14 Pennsylvania Power Company (“Penn Power”), and West Penn Power Company (“West
15 Penn”) (each of which may be referred to as “Company” and/or collectively the
16 “Companies”). As an Analyst in the Rates and Regulatory Affairs Department, my
17 responsibility is to support the development, preparation, and presentation of the
18 Companies’ retail electric rate design and related rules and regulations, and ensure the
19 uniform administration and interpretation in all the Companies’ rate-related matters
20 before the Pennsylvania Public Utility Commission (“Commission”). I also am
21 responsible for, among other things, default service plan development and
22 implementation, recovery of non-utility generation costs, regulatory program cost
23 recovery and other financial matters.

1 **Q. What is your educational background and work experience?**

2 A. I obtained a Masters Degree in Business Administration from Moravian College in 1994.
3 I am also a graduate of Rowan University where I received a Bachelor of Science Degree
4 with a major in Accounting and Finance in 1984. My work experience is more fully
5 described in Appendix A.

6 **Q. On whose behalf are you testifying in this proceeding?**

7 A. I am testifying on behalf of Met-Ed, Penelec, Penn Power and West Penn. My testimony
8 applies to all of the Companies, unless otherwise stated.

9 **Q. What is the purpose of your direct testimony?**

10 A. My testimony addresses: (i) the annualization and normalization of sales and revenues
11 used in the Companies' cost-of-service studies; (ii) the rate design methodology used to
12 develop the distribution rates proposed in this proceeding; (iii) a customer impact
13 analysis, which compares bills at current and proposed rates; and (iv) a proof of revenue
14 analysis.

15 **Q. Have you prepared and are you sponsoring exhibits to accompany your testimony?**

16 A. Yes. As discussed in more detail later in my testimony, I am sponsoring Exhibits KMS-1
17 through KMS-7 for each of the Companies, which were prepared by me or under my
18 supervision. The subjects addressed in each of these exhibits are summarized below:

19 KMS-1 These exhibits consist of Attachments A, B and C, reflecting normalized
20 sales and revenues for the test years ending April 30, 2016, March 31,
21 2015, and March 31, 2014, respectively

22 KMS-2 Summary of Present and Proposed Distribution Revenues

- 1 KMS-3 Reactive Billing Demand Charge Calculation
- 2 KMS-4 TOU Aggregation Agreement (Met-Ed and Penelec Only)
- 3 KMS-5 Proof of Revenues Analyses
- 4 KMS-6 Customer Impact Analyses
- 5 KMS-7 Cost Curves
- 6 KMS-8 Responses to the following Commission filing requirements:
- 7
- 8 52 Pa. Code § 53.52 (a)-(d)
- 9 52 Pa. Code § 53.53 - IV-A-1
- 10 52 Pa. Code § 53.53 - IV-A-2
- 11 52 Pa. Code § 53.53 - IV-A-3
- 12 52 Pa. Code § 53.53 - IV-A-4
- 13 52 Pa. Code § 53.53 - IV-A-5
- 14 52 Pa. Code § 53.53 - IV-C
- 15 52 Pa. Code § 53.53 - IV-D-1
- 16 52 Pa. Code § 53.53 - IV-D-2
- 17 52 Pa. Code § 53.53 - IV-E-2

18 In addition, I am sponsoring: (1) modifications to Riders A, L, M (all Companies) and P
 19 (Met-Ed and Penelec only) to the Companies’ proposed tariffs, which are identified as
 20 each Companies’ Exhibit 1 and, for service to the Pennsylvania State University, West
 21 Penn Company Exhibit 2; and (2) all modifications to the rate schedules in the
 22 Companies’ proposed tariffs. The modifications to the Companies’ riders and rate
 23 schedules for which I am responsible are discussed further in this testimony.

24 **II. ENERGY SALES AND REVENUE NORMALIZATIONS**

25 **Q. What was the basis for developing each Company’s claim for energy sales, demand**
 26 **and base rate revenue for the fully projected future test year?**

27 A. The starting point for each Company’s claim was the budget forecast of energy sales,
 28 demand and base rate revenue for the twelve months ending April 30, 2016. The budget
 29 forecast was developed by reviewing current customer consumption data, conducting

1 appliance saturation surveys and analyzing actual historical customer usage for the past
2 several years to identify patterns and trends. That information was used to develop
3 detailed projections of the actual billing determinants (number of customers, demand (in
4 kW) and energy (in kWh)) for each rate schedule. The actual charges for each
5 component of each rate schedule were applied to the applicable billing determinants
6 (customers, kW or kWh) to project the revenue to be billed under each rate schedule by
7 month for the fully projected future test year. This detailed process assures that revenue
8 under proposed rates can be directly tied in to the billing determinants underlying the
9 Companies' revenues under existing rates that are used to calculate their revenue
10 deficiency in this case.

11 **Q. In developing the Companies' revenue claims in this case, were the budget**
12 **projections and, specifically, the application of rates to the projected billing**
13 **determinants reviewed for computational accuracy?**

14 A. Yes. The budget forecasts were found to be very accurate. However, in a few instances
15 either the billing determinants or the rates used in the budget projections did not align
16 precisely with the more detailed and granular information available to the Rates and
17 Regulatory Affairs Department for certain rate schedules. Consequently, I made
18 appropriate adjustments to the budget data. Those adjustments are both few in number
19 and very small in their impact, representing a net increase in total normalized revenue of
20 the Companies of 0.02%, as shown in Exhibits KMS-1, Attachment A, page 3, column 14
21 and within the associated footnotes. Although these adjustments do not have a material
22 impact on revenues, they were made to assure that billing determinants are properly
23 stated for each rate schedule so that pro forma revenues at existing and proposed rates

1 can be tied in directly to the budget data that formed the starting point for developing the
2 Companies' revenue claims in this case.

3 **Q. Were any adjustments made to the budget forecast data to present energy sales,**
4 **demand and base rate revenue on a ratemaking basis?**

5 A. Yes. Adjustments for ratemaking purposes were made to annualize and normalize the
6 budget data. Annualization is the process of adjusting budgeted sales and revenues
7 projected to be billed over a full test year to reflect the level of sales and revenues as of
8 the end of the test year. In that way, pro forma sales and revenues are stated on a basis
9 that properly reflects sales and revenues to be experienced going forward. Normalization
10 is the process of adjusting budgeted sales and revenues to remove outliers and anomalies
11 from the test year data. Thus, unusual events and one-time effects are "normalized" to
12 reflect ongoing conditions.

13 **Q. Have you prepared an exhibit setting forth annualized and normalized sales and**
14 **revenues?**

15 A. Yes, I have. Annualized and normalized sales and revenues are presented in Attachments
16 A through C of Exhibits KMS-1 for the twelve months ending April 30, 2016, March 31,
17 2015, and March 31, 2014, respectively. Summaries of each Company's distribution
18 revenues under existing and proposed rates are provided in Exhibits KMS-2. The
19 principal adjustments to the budget forecast data were made to annualize the sales and
20 revenue effect of customers added during the test year and to normalize and annualize
21 sales levels to reflect reductions attributable to measures that have been or will be
22 implemented under the Companies' Commission-approved Energy Efficiency and

1 Conservation (“EE&C”) Plans, which were adopted pursuant to Section 2806.1 of the
2 Pennsylvania Public Utility Code.

3 **Q. Please describe the adjustment made to budget forecast data for the twelve months**
4 **ending April 30, 2016 to annualize revenues for changes in number of customers.**

5 A. In accordance with the Commission’s filing requirements, an adjustment was made to
6 annualize energy usage and demand for the difference between the monthly average
7 number of customers forecasted for the fully projected future test year and the number of
8 customers forecasted for the end of the fully projected future test year. Usage (kWh) and
9 demand (kW) forecasted for the fully projected future test year were divided by the
10 monthly average number of customers at mid-month (for each month) to calculate the
11 average usage and average billed demand per customer. The average usage (in kWh) and
12 average demand (in kW) per customer were multiplied by the difference between the
13 monthly average number of customers and the number of customers forecasted for the
14 end of the test year to determine the additional kWh and kW to be added to the budget
15 forecast to annualize sales and revenue.

16 The additional revenues attributable to the customer annualization were calculated by
17 multiplying the additional billing determinants (customers, kW or kWh) derived from the
18 customer annualization by the applicable customer, demand or energy charges to
19 determine the additional revenue attributable to annualization. This calculation is shown
20 in Exhibits KMS-1, Attachment A, page 3, column 12.

21

1 **Q. Please describe the adjustments made to budget forecast data for the twelve months**
2 **ending April 30, 2016 to normalize and annualize revenues for conservation**
3 **measures implemented or to be implemented pursuant to the Companies' EE&C**
4 **Plans.**

5 A. The energy sales that were forecasted by rate schedule for the fully projected future test
6 year reflect anticipated usage reductions from energy efficiency measures implemented in
7 accordance with the Companies' Commission-approved EE&C Plans. The forecasted
8 reductions are reflected by month from May 1, 2015 through April 30, 2016. The
9 revenue reductions for the entire fully projected future test year were calculated by
10 annualizing the usage reduction targets that the Companies must achieve by the end (May
11 30) of the 2016 EE&C plan year. The annualized amount was netted against the monthly
12 savings already included in the fully projected future test year sales forecast to derive the
13 additional energy efficiency normalization adjustment. The same approach was used to
14 annualize and normalize behind-the-meter generation to derive a total energy efficiency
15 normalization adjustment. The revenue effect of the annualization was calculated by
16 multiplying the annualized energy efficiency sales reductions by the average rate per
17 customer by rate schedule.

18 **III. RATE DESIGN**

19 **Q. When was each Company's current rate design established?**

20 A. Met-Ed's and Penelec's current distribution base rates were established pursuant to the
21 Commission's Final Order entered January 11, 2007 at Docket Nos. R-0061366 and R-
22 0061367. Penn Power and West Penn concluded base rate cases in 1988 and 1993,
23 respectively. However, the overall structure of each of those Companies' rates was

1 modified when their rates were functionally unbundled into distribution, generation and
2 transmission components as part of their respective restructuring proceedings. Because
3 of the time that has elapsed since each Companies' last base rate and restructuring cases,
4 the Companies determined that their existing distribution rate designs should be reviewed
5 to ensure that they reflect the current characteristics of electric distribution service.

6 Accordingly, the Companies have taken this opportunity to consolidate and simplify rate
7 designs and make them more uniform across all four Companies.

8 **Q. What considerations, concepts and objectives underlie the rate designs proposed by**
9 **the Companies?**

10 A. The following general principles were employed in designing the proposed rates:

- 11 • Rates must be designed to produce revenues equal to each Company's revenue
12 requirement at the appropriate billing determinants.
- 13 • Rates should be designed to properly reflect cost causation and, in that regard, the
14 results of a cost of service study are used as a guide.
- 15 • Rates generally should be designed, if practicable, to move revenues for each rate
16 schedule (or in some instances, customer classes consisting of aggregated rate
17 schedules) toward that schedule's cost of service, giving due regard to factors
18 such as gradualism, economic efficiency, relative ease or difficulty of
19 administration, and customer understandability.

20 In addition to the general principles I just described, the Companies determined that in
21 developing their proposed rates, they should strive to achieve the following objectives:

- 1 • There should be a unified distribution rate design for all four Companies. The
2 Companies are managed on a consistent basis with a uniform set of business
3 processes. The rate design should be aligned to conform with the Companies’
4 operations.

- 5 • The rate design should give due consideration to the fact that distribution service
6 has now been fully unbundled for ratemaking purposes. For Penn Power and
7 West Penn, this case is the first opportunity to implement a rate design that
8 focuses specifically on unbundled distribution service and does not continue to
9 apply concepts or rate designs that are a legacy of the previously bundled rate
10 environment.

- 11 • All else being equal, distribution rates should reflect customer demand rather than
12 energy usage. This is because distribution costs are driven predominantly by
13 investment in fixed assets, which does not vary with a customer’s energy usage.

- 14 • With the impending implementation of the Companies’ Smart Meter Deployment
15 Plan¹ and the significant investment in smart meter technology that the Plan
16 requires, the Companies’ rate design should incorporate the functionality that
17 smart meters provide to accurately measure demand.

- 18 • The number of rate options, which in large part were a legacy of bundled rates
19 that included generation costs, should be reduced to promote better customer

¹ *Joint Petition of Metropolitan Edison Company, Pennsylvania Electric Company, Pennsylvania Power Company and West Penn Power Company For Approval of Their Smart Meter Deployment Plan*, Docket Nos. M-2013-2341990, M-2013-2341991, M-2013-2341993 and M-2013-2341994 (Opinion and Order entered June 25, 2014).

1 understanding of the Companies' rates and to allow for more efficient tariff
2 administration.

- 3 • Reconcilable adjustment clauses, set forth in riders to the Companies' base rates,
4 should be used to recover certain costs that are volatile in nature and generally not
5 under the Companies' control, consistent with the criteria for adjustment clauses
6 established under Section 1307 of the Public Utility Code. Applying those
7 principles, a Storm Damage Charge Rider is being proposed for all Companies to
8 recover storm damage costs not recovered through distribution base rates.

- 9 • A Universal Service Cost Rider is being proposed for West Penn, which is
10 modeled after the Universal Service Cost Riders previously approved by the
11 Commission for the other Companies. Both of these riders are discussed in more
12 detail by Kimberlie L. Bortz in Met-Ed/Penelec/Penn Power/West Penn Statement
13 No. 3.

14 **Q. What role did the results of cost of service studies play in designing the proposed**
15 **distribution rates?**

16 A. Cost of service studies for each of the Companies were prepared by Hillary E. Stewart,
17 which are described in Met-Ed/Penelec/Penn Power/West Penn Statement No. 5. The
18 results of the cost of service studies were the starting point for designing the proposed
19 distribution rates. However, the final rate designs for the distribution rates that I am
20 recommending also incorporate the rate design principles and objectives that I previously
21 described, as well as my experience in designing utility rates.

1 **Q. How did you design the proposed distribution rates?**

2 A. I began by reviewing the rates of return produced by the various rate schedules under
3 current rates and the fully projected future test year level of revenue requirement. The
4 rate schedules exhibit a range of returns from positive to negative. The divergent class
5 returns provide an indication, based on a snapshot at a specific moment in time, of the
6 general magnitude of interclass subsidies that exist among rate classes under current
7 rates. Based upon each Company's overall retail rate of return, the cost of service studies
8 show that certain rate schedules are producing less than that rate of return, while others
9 are producing rates of return in excess of the applicable Company's overall rate of return
10 level.

11 Next, I reviewed the revenue that each rate schedule would have to produce to achieve a
12 rate of return equal to the applicable Company's overall rate of return under the proposed
13 distribution rates. This level of revenue shows the magnitude of the rate changes
14 necessary to move each rate schedule to its cost of service as indicated by the cost of
15 service studies.

16 While movement toward cost of service is an important element in designing rates, it is
17 not the only factor that must be considered. For instance, the impact on customers' bills
18 from implementing a range of potential rate increases must be considered. Establishing
19 rates for each rate schedule that produce a retail rate of return equal to the applicable
20 Company's overall rate of return is the theoretical target of the rate design process.
21 However, the Companies understand that bringing some of the rate schedules to their
22 indicated cost of service would impose potentially disruptive rate increases. The

1 proposed rate design, therefore, properly applies the principle of gradualism to mitigate
2 customer impact.

3 **Q. Have tables been prepared that show the rates of return under existing and**
4 **proposed rates by rate schedule for each of the Companies?**

5 A. Yes. Such tables are set forth in Ms. Stewart's direct testimony. Those tables also show
6 the unitized rates of return ("UROR") for each rate schedule. The UROR of a rate class
7 is the class rate of return divided by the Company's overall average rate of return. A
8 class UROR greater than 1.0 indicates that the class revenue exceeds the class cost of
9 service. A class UROR less than 1.0 indicates that the class revenue is less than the class
10 cost of service. URORs are used as a guide to measure the progress that changes in rates
11 will achieve in moving classes toward a UROR of 1.0 or "unity," which is generally
12 accepted as a desirable goal in rate design, subject to those other rate design factors that I
13 previously discussed.

14 **Q. Were any specific criteria used in determining how much progress should be made**
15 **in moving specific rate schedules toward unity, or cost of service?**

16 A. Yes. In order to implement the concept of gradualism as applied to the guidance
17 provided by the results of the Companies' cost of service studies, two general criteria
18 were developed. The first criterion was that no customer class would experience, on
19 average, an increase of more than 20% of total revenue assuming customers were taking
20 default service. The second criterion was a benchmark calculated by reference to total
21 distribution revenues. Specifically, for each rate schedule, the Companies calculated two
22 percentages, as follows: (1) revenue equal to the rate schedule's cost of service divided

1 by total-Company distribution revenue under existing rates; and (2) revenue under the
2 rate schedule's existing rates divided by total-Company distribution revenue under
3 existing rates. The average of those two percentages became a target, such that revenue
4 produced by each rate schedule under the proposed rates, expressed as a percentage of
5 total-Company distribution revenue under proposed rates, would approximate the target
6 percentage.

7 **Q. Turning to the design of specific rates, please describe, in general, the changes the**
8 **Companies propose to their existing Residential rate schedules.**

9 A. There are two principal substantive differences between the Companies' existing
10 Residential rate schedules and the Residential rate design proposed in this case. First, all
11 Time-of-Day/Seasonal rate schedules were eliminated and have been (for Penn Power
12 and West Penn²), or are proposed to be (for Met-Ed and Penelec), replaced with Time-of-
13 Use Default Service Riders. While generation costs can and often do differ – sometimes
14 significantly – based on time of use, the same is not true of the cost of providing
15 distribution service. As I previously explained, the cost of providing distribution service
16 is largely determined by fixed costs that do not vary with the amount of usage or the time
17 of day when usage occurs. Time-of-day and seasonal rate schedules in the existing Met-
18 Ed and Penelec tariffs are a vestige of bundled rates that are not applicable to
19 distribution-only service in the current unbundled rate environment. The Time-of-Use
20 Default Service Riders, on the other hand, are designed to recover generation costs
21 associated with default service for residential customers. Because generation costs vary

² West Penn's Rider is denominated in its current tariff a "Time-of-Use Rider" not a "Time-of-Use Default Service Rider." West Penn plans to conform the name of its Rider to the names used by the other Companies.

1 based on time of use, the Riders provide the appropriate vehicle for recognizing time-of-
2 use differences in such costs.

3 Second, the Companies propose to increase the customer charge more than the usage
4 charge for Residential service. This approach is consistent with the principle of cost
5 causation because it recognizes that most of the cost of providing distribution service is
6 attributable to investment in fixed assets and does not vary based on the level of customer
7 usage. Additionally, recovering an appropriate level of fixed costs through a fixed charge
8 provides a more stable revenue stream, which is also consistent with the fixed nature of
9 the costs being recovered. Stated another way, because the bulk of the cost of providing
10 distribution service does not vary based on usage, reductions in customer use cannot be
11 matched with reductions in the costs – largely fixed – to furnish distribution service.

12 Although the Companies' cost of service studies indicate that most of the Companies'
13 costs are indeed fixed, the Companies moderated the increase in the customer charge in
14 order to avoid larger increases for lower-usage customers. The impact of this moderating
15 factor on the average bills of Residential customers at various usage levels is shown in
16 each Company's Exhibit KMS-6 – Customer Impact Analyses, which I discuss later in
17 my testimony.

18 **Q. Do the proposed changes to Residential rate schedules you described apply to all of**
19 **the Companies?**

20 A. Yes, they do. The Companies' objective is to establish a uniform, relatively simple
21 Residential rate design for consistent use by each of the Companies and, in so doing, to

1 eliminate various outdated elements of the existing Residential rate designs that are
2 legacies of previously bundled rates.

3 **Q. Please describe the proposed rate schedules that will apply to Commercial**
4 **customers served at secondary voltage.**

5 A. For all of the Companies, there will be three rate schedules that apply to Commercial
6 customers, with the following availability criteria and principal rate components:

7 • **Rate Schedule GS Small.** This rate schedule, which will be available to
8 customers with usage up to 1500 kWh per month, will have a modified monthly
9 customer charge and an energy charge per kWh of usage.

10 • **Rate Schedule GS Medium.** This rate schedule, which will be available for
11 customers with billed demand of up to 400 kW for at least two consecutive
12 months, will have a modified customer charge per month, a per-kW demand
13 charge, a reactive billing demand charge, and a relatively low energy charge.

14 • **Rate Schedule GS Large.** This rate schedule, which will be available for all
15 customers exceeding 400 kW of billed demand, will also have a modified
16 customer charge per month, a per-kW demand charge, a reactive billing demand
17 charge, and a relatively low energy charge.

18 **Q. What is a reactive billing demand charge as proposed for use in Rate Schedules GS**
19 **Medium and GS Large?**

20 A. A reactive billing demand charge encourages efficient use of power by customers.

21 Reactive power is in effect wasted energy that, as explained below, requires the

1 Companies to make additional investments in distribution facilities to correct for the
2 adverse effects of customers' poor power factors. The Companies will calculate a
3 "power factor" for each customer to determine whether the reactive billing demand
4 charge will be applied.

5 **Q. What is "power factor?"**

6 A. Power factor is the ratio of the "real" power flowing to a load (measured in kW) to the
7 "apparent" power (measured in Kilovars or "kVA") in the circuit. Real power is the
8 capacity of the circuit for performing work in a particular time. Apparent power is the
9 power, in excess of real power, needed to serve a load with a poor power factor. Thus, a
10 load with a poor power factor draws more current than a load with a high power factor
11 for the same amount of useful power transferred. In summary, power factor measures
12 how efficiently power is being used by comparing the amount of energy supplied to the
13 circuit (kVA) to the actual amount of energy (kW) used to perform work at a particular
14 point in time. To illustrate the concept, consider a horse pulling a railroad car down a
15 railroad track. Because the railroad ties are uneven, the horse must walk at the side of the
16 track and pull the car at an angle from the centerline of track. The power that would be
17 required to move the car down the track if the motive force were applied along the
18 centerline of the track is the real power (i.e., kW). The effort expended by the horse,
19 pulling from one side of the track, is the total (apparent) power (kVA). The angle by
20 which the horse's pull diverges from the centerline determines the power factor. As the
21 angle to the centerline gets smaller (i.e., as the horse walks closer to the center of the
22 track), the force required to pull the car is reduced and the power factor improves.

1 The Companies propose that the reactive power be assessed at the unit of measurement
2 for reactive power on a per-reactive kilovolt-ampere (“rkVA”) basis. This charge will
3 apply to secondary and primary customers with three-phase service.

4 **Q. Why is it appropriate to include a reactive power charge in distribution rates?**

5 A. A reactive power charge is appropriately included in distribution rates for certain rate
6 schedules because the way to correct for the distortion created by customers’ poor power
7 factors is to install capacitors on the distribution system. Capacitors are part of the fixed
8 assets that comprise the distribution system and, as such, their cost is properly reflected in
9 distribution rates and, consistent with principles of cost causation, are appropriately
10 reflected in a reactive power charge.

11 **Q. How was the rkVA charge developed?**

12 A. The rkVA charge proposed by the Companies is based on a study of the cost of adding a
13 1200 KVAR capacitor bank to each Company’s system. The rkVA charge is designed to
14 recover a pre-tax weighted average overall rate of return on the Company’s investment in
15 the capacitor bank, applicable depreciation and ongoing operation and maintenance
16 expense associated with the capacitors. Exhibits KMS-3 show the calculation of the
17 rkVA charges that will be applied to all commercial and industrial secondary and primary
18 customers.

19 Customers with a high power factor would not be subject to the rkVA charge. Therefore,
20 each customer can perform an analysis of whether it is more cost-effective to pay the
21 rkVA charge or invest in its own capacitors and avoid the rkVA charge by individually
22 managing its own power factor.

1 **Q. Will a minimum billing demand charge apply to GS customers, and will it be**
2 **consistent across all the Companies?**

3 A. Yes. The proposed GS rate schedules for all four Companies contain the following
4 provision regarding a minimum billing demand calculation:

5 A Customer's demand shall be measured by indicating or recording
6 instruments. Demands shall be integrated over 15-minute intervals. The
7 billing demand in the current month shall be the greatest of: (i) the maximum
8 measured demand established in the month during On-peak hours, adjusted
9 for Power Factor as stated herein, (ii) forty percent (40%) of the maximum
10 measured demand established in the month during Off-peak hours, adjusted
11 for Power Factor as stated herein, (iii) contract demand or (iv) fifty (50%) of
12 the highest billing demand established during the preceding eleven (11)
13 months.

14 **Q. Why are the Companies proposing a minimum per-kW demand charge for**
15 **Commercial and Industrial customers?**

16 A. In order to provide safe and reliable service to a customer who applies for new service, a
17 Company must assess its current infrastructure and make appropriate investments to
18 existing infrastructure or in new infrastructure. These investments are based on the
19 customer's estimated load. To the extent that the customer makes a change in its
20 operation and reduces its requirements, the Company still needs to recover the investment
21 that it made in its infrastructure to provide service to that customer. Consistent with the
22 principles of cost causation, such costs should be recovered from those customers who
23 are receiving the benefit of that investment. To do otherwise would improperly shift
24 costs to other customers who are already paying for the investment that the Companies
25 made in the infrastructure to serve that customer.

1 **Q. How do the Companies propose to bill customers that do not have a demand meter,**
2 **but will be served under a rate schedule that includes a demand charge as part of**
3 **their applicable distribution rates?**

4 A. For those customers that do not have demand meters, the Company is proposing to derive
5 a measured demand based on an hours-use demand factor of 200. The formula for this
6 calculation is: Measured Demand = kWh/200. The hours-use of demand value of 200
7 reflects the average hours-use for customers that will be charged a kW demand charge.
8 Under the Companies' Smart Meter Deployment Plan, all customers will eventually have
9 meters capable of registering demand. Consequently, it makes sense to develop and
10 implement appropriate rate designs to properly reflect demand costs and to use a
11 measured demand calculation for customers currently without demand meters. When
12 smart meters are installed for customers that do not currently have demand meters, they
13 will benefit from appropriate demand-based rate schedules that leverage the full
14 functionality of smart meters. To do otherwise would require implementing a non-
15 demand-based rate design that would have to be changed in a future base rate case, while
16 my proposed approach allows the Companies to phase customers onto more responsive
17 demand charges as their metering is upgraded.

18 **Q. Do the rate schedules proposed in this case for service to Commercial and Industrial**
19 **customers contain a change to the minimum charges assessed to such customers**
20 **under current rates?**

21 A. Yes. The applicable rate schedules for the Companies will apply a minimum charge to
22 such customers equal to the sum of the Customer Charge, the minimum billing demand
23 charge described above, charges under any applicable Riders, and any energy charges

1 applicable.³ For instance, if a customer has no energy use in a given month, the customer
2 would still pay a Customer Charge which is a specific dollar amount per month
3 regardless of usage.

4 **Q. Are the Companies proposing additional riders as part of this filing?**

5 A. Yes. As I noted previously, all four Companies are proposing to adopt a Storm Damage
6 Charge Rider to recover storm damage expenses in excess of the amount that is included
7 in their base rates, and West Penn is proposing to adopt a Universal Service Cost Rider
8 modeled after the Universal Service Cost Riders approved by the Commission for the
9 other Companies. Both of these Riders are addressed in more detail by Ms. Bortz in her
10 direct testimony.

11 In addition, Time-of-Use Default Service Riders (“TOU Riders”) are being proposed for
12 Met-Ed and Penelec. Those Riders are included in the proposed Met-Ed and Penelec
13 tariffs. The TOU Riders will be available to all Residential customers who obtain default
14 service from the Companies. The TOU Riders proposed for Met-Ed and Penelec are
15 similar in their general design to the Time-of-Use Default Service Rider for Penn Power
16 and the Time-of-Use Rider for West Penn that were approved by the Commission in its
17 Final Order approving Default Service Plans for the Companies for the period June 1,
18 2013 through May 31, 2015.⁴ There is, however, one small difference. The TOU Riders
19 Met-Ed and Penelec are proposing maintain the same definition of on-peak hours that

³ A minimum charge calculation would include energy charges for the current month’s usage, while the minimum demand charge would be based upon the highest demand recorded over a prior twelve-month period.

⁴ *Joint Petition of Metropolitan Edison Company, Pennsylvania Electric Company, Pennsylvania Power Company and West Penn Power Company for Approval of Their Default Service Programs*, Docket Nos. P-2011-2273650, P-2011-2273668, P-2011-2273669 and P-2011-2273670 (Final Order entered August 16, 2012), pp. 87-93.

1 currently exists in their Rate Schedules RT in order to ease the transition of current RT
2 customers applying for service under the proposed TOU Riders.

3 Under the TOU Riders, qualifying enrolled customers obtain time-of-use default service
4 from Commission-certified EGSs that contract to provide such service under the terms set
5 forth in the Rider. Additionally, the terms of the relationship between the Companies and
6 the EGSs offering time-of-use service is set forth in a TOU Aggregation Agreement, a
7 form of which is being provided as Met-Ed Exhibit No. KMS-4 and Penelec Exhibit No.
8 KMS-4. The form of TOU Aggregation Agreement set forth in those exhibits are
9 identical to the TOU Aggregation Agreements approved by the Commission for use by
10 Penn Power and West Penn.⁵

11 In the event that no EGSs contract to provide time-of-use service, the time-of-use default
12 service will be available under the terms and conditions of the Companies' Price to
13 Compare Default Service Rate Rider, which applies the same time-of-use on-peak and
14 off-peak factors as set forth in the proposed Met-Ed and Penelec TOU Riders.

15 The Companies are also proposing to adopt two Riders that relate to non-utility
16 generation – a Partial Service Rider and a Cogeneration and Small Power Production
17 Qualifying Facility Rider.

⁵ *Joint Petition of Metropolitan Edison Company, Pennsylvania Electric Company, Pennsylvania Power Company and West Penn Power Company for Approval of Their Default Service Programs*, Docket Nos. P-2011-2273650, P-2011-2273668, P-2011-2273669 and P-2011-2273670 (Opinion and Order on Second Compliance Filing entered May 23, 2013), pp 5-10.

1 **Q. Please explain the proposed Partial Service Riders.**

2 A. The Public Utility Regulatory Policies Act (“PURPA”) requires electric utilities to
3 provide back-up, maintenance, supplemental and emergency electric service to PURPA
4 “qualifying facilities” (“QFs”). The Companies currently take different approaches to
5 furnishing this service. Met-Ed and Penelec offer this service to QFs under Rate
6 Schedule QF. (Notably, these Companies offer the same service to non-QFs under Rule
7 18 of their existing General Rules and Regulations, and the terms of that service are the
8 same as under Rate Schedule QF.) Penn Power offers such services for both QFs and
9 non-QFs under a Partial Service Rider. West Penn provides these services to QFs under
10 its Alternative Generation Rider. The Companies propose to consolidate the provision of
11 these services through a single, standardized Partial Service Rider that will apply to all
12 generating facilities (QFs and non-QFs) that are not net-metered customers.

13 **Q. What services will be offered under the proposed Partial Service Riders?**

14 A. Under the Partial Service Riders, the Companies will provide the following four levels of
15 service, as required by, and defined in, PURPA for QFs: Backup Reservation Service,
16 Scheduled Maintenance Service, Supplemental Service, and Emergency Service. Each
17 form of service has its own set of applicable rules. QFs will pay a per-kW charge for
18 contract demand equal to the greater of their measured billing demand or the net
19 generating capability of their generating facility. The proposed Partial Service Riders are
20 set forth as Rider L in the proposed tariffs of each of the Companies.

21

1 **Q. Please explain the proposed Cogeneration and Small Power Production Qualifying**
2 **Facility Riders.**

3 A. The Cogeneration and Small Power Production Qualifying Facility Riders will provide
4 the terms under which the Companies will purchase electricity generated by QFs with
5 maximum generating capacity under 500 kW. Any QFs with generating capacity of 500
6 kW or greater from which the Companies are required by PURPA to purchase energy
7 will not be eligible for the Riders but instead would have to enter into individually
8 negotiated contracts with one of the Companies. Under the Riders, the Companies will
9 pay eligible QFs 75% of the Real Time Location Marginal Price each for each hour at
10 each Company's aggregate zone for net electric energy delivered. The proposed
11 Cogeneration and Small Power Production Qualifying Facility Riders are set forth as
12 Rider M in the proposed tariffs of each of the Companies.

13 **Q. Are the Companies proposing to eliminate any Riders as part of this filing?**

14 A. Yes, they are. The riders proposed to be eliminated are identified and discussed by Ms.
15 Bortz in Met-Ed/Penelec/Penn Power/West Penn Statement No. 3. As she explains, those
16 riders are not applicable for "unbundled" electric service or have been deemed
17 unnecessary or outdated for other reasons.

18 **Q. Are any riders proposed to be modified as part of this filing?**

19 A. Yes. Penn Power proposes to modify its Universal Service Cost Rider so that it will be
20 consistent with the Met-Ed and Penelec Universal Service Cost Riders, as Ms. Bortz
21 explains in her direct testimony. Additionally, as explained by Laura W. Gifford in Met-
22 Ed/Penelec/Penn Power/West Penn Statement No. 7, West Penn is proposing revisions to

1 its Default Service Support (“DSS”) Rider and its Hourly Pricing Default Service
2 (“HPS”) Rider to include components for recovery of default service-related uncollectible
3 accounts expense for residential and commercial customers and industrial customers,
4 respectively. The other Companies are revising their DSS and HPS Riders so that default
5 service-related uncollectible accounts expense for industrial customers will be recovered
6 in their HPS Riders rather than their DSS Riders, as they currently are. In addition, Met-
7 Ed and Penelec are proposing to modify their existing Non-Utility Generation Charge
8 Riders to calculate the NUG-C rate on an annual rather than a quarterly basis effective on
9 June 1, 2015. This proposed change is incorporated in the Non-Utility Generation
10 Charge Riders of Met-Ed and Penelec, which are set forth as Rider P in the proposed
11 tariffs of each of those Companies.

12 **Q. Are any changes being proposed with respect to charges imposed under riders that**
13 **are already in place for all four Companies?**

14 A. Yes, each Company is proposing to set its State Tax Adjustment Surcharge (“STAS”) at
15 zero because its base rate revenue requirement was calculated at the applicable state tax
16 rates. Except for Penn Power, the current STAS for the Companies is a credit. In
17 addition, all four Companies propose to reduce their Smart Meter Technology Charge to
18 zero and include the appropriate level of costs as part of their proposed distribution base
19 rate revenue requirement. This proposed change is set forth in the State Tax Adjustment
20 Surcharge Rider set forth as Rider A in the proposed tariffs of each of the Companies.

21

1 **IV. PROOF OF REVENUE ANALYSIS AND BILL COMPARISONS**

2 **Q. What is a proof of revenue analysis?**

3 A. A proof of revenue analysis provides the total billing units for a specified period (May 1,
4 2015 through April 30, 2016, for the fully projected future test year), including pro forma
5 ratemaking adjustments, summarized by rate components for each rate schedule and
6 multiplied by the applicable unit rates to derive the base rate revenues that proposed rates
7 will produce. Exhibits KMS-5 contain each Company's respective proof of revenue
8 analysis.

9 **Q. Have you prepared an analysis of the rates in the Companies' proposed tariffs**
10 **showing their impact upon various customer classes?**

11 A. Yes. Exhibits KMS-6 set forth each Company's comparison of bills at current and
12 proposed rates for the Companies' residential, commercial and industrial customers at
13 selected ranges of usage. Each exhibit shows, among other things, the percentage impact
14 on a customer's total electric service bill based on the proposed rates. For example, as
15 shown on page 1 of Met-Ed Exhibit KMS-6, a residential customer of Met-Ed that
16 receives service under Rate Schedule RS and uses 1000 kWh per month would pay
17 \$149.13 under the proposed rates, which represents an increase of 16.02% in the
18 customer's total bill.

19 **Q. Please explain what is shown in Exhibit KMS-7 for each Company.**

20 A. Filing Requirement IV-E-2 requires that the Companies provide a comparison showing
21 costs, as defined by the cost of service study, and the proposed base rate revenues and

1 usage for all rate schedules. Exhibit KMS-7 for each Company depicts that comparison
2 graphically for representative rate schedules.

3 **V. COMPANY-SPECIFIC MODIFICATIONS**

4 **A. Met-Ed And Penelec**

5 **Q. Please describe the specific changes to the Met-Ed and Penelec rate designs that are**
6 **being proposed.**

7 A. The following changes are being proposed to the Met-Ed and Penelec rate designs:

8 1) Rate Schedule RT will be eliminated, and all of the rate schedules applicable to
9 the residential class will be consolidated into one standard Residential rate
10 schedule. As previously explained, the Companies are proposing a Time-of-Use
11 Default Service Rider for Met-Ed and Penelec that, along with similar Riders
12 already in place for Penn Power and West Penn, will provide Residential
13 customers a time-of-use option for default generation supply service. This
14 approach is consistent with the Commission's Final Order in the Retail Markets
15 Investigation which recommends that the Companies move away from Time-of-
16 Use distribution rates and towards a Time-of-Use rider for generation.⁶

17 2) As explained earlier, an upper limit of 400 kW will be placed on the availability
18 of Rate Schedule GS-Medium. In addition, the eight-hour and twelve-hour time-
19 of-day rates will be eliminated, and a reactive power charge will be added to this
20 rate schedule.

⁶ *Investigation of Pennsylvania's Retail Elec. Market Intermediate Work Plan*, Docket No. I-2011-2237952 (Final Order entered March 2, 2012), p. 47.

1 3) Rate Schedule GS-Large will be available only for secondary voltage customers
2 with loads over 400 kW. In addition, the eight-hour and twelve-hour time-of-day
3 rates will be eliminated and a reactive power charge will be added.

4 4) The eight-hour and twelve-hour time-of-day provisions in Rate Schedules GP and
5 TP are being eliminated.

6 5) The voltage discount for customers served at voltages of 115kV or higher will be
7 made consistent across all the Companies.

8 **Q. Why are all of the eight-hour and twelve-hour time-of-day options being eliminated**
9 **from the Commercial and Industrial rate schedules?**

10 A. They are being eliminated for several reasons. First, in the current rate schedules the
11 time-of-day rate and the standard rate are the same. Second, the time-of-day provisions
12 were established when bundled rates, which included a generation component, provided
13 customers a meaningful incentive to take service on a time-differentiated rate. The time-
14 of-day rate differentials were largely driven by the cost of providing generation service,
15 which exhibits differences based on time of use. However, after unbundling, time-of-use
16 differentials in distribution rates are not justified because distribution service does not
17 exhibit comparable cost differences based on time of use. Customers desiring time-of-
18 use generation service can shop for that service with EGSs or obtain hourly default
19 service for the generation and transmission portion of their electric service.

20

1 **B. Penn Power**

2 **Q. Please describe the specific changes to the Penn Power rate design that are being**
3 **proposed.**

4 A. The following changes are being proposed to the Penn Power rate design:

5 1) Rate Schedule RH – Heating Service, as well as the water heating option of Rate
6 Schedule RH, will be eliminated, and all of the rate schedules applicable to the
7 residential class will be consolidated into one standard Residential rate schedule.

8 The rate schedules being eliminated have been grandfathered for existing
9 customers since June 1, 2008. The Company will maintain the existing Time-of-
10 Use provision within Penn Power’s PTC Default Service Rider.

11 2) The Optional Controlled Service (“OCS”) for Water Heating as well as the OCS –
12 Add-On Electric Heat Pump or Centralized Resistance Heating Rate are being
13 eliminated. These rates no longer provide an advantage to Residential customers
14 as compared to the standard Rate Schedule RS.

15 3) Rate Schedule GS currently is available for secondary voltage customers with
16 loads up to 50 kW. The Company proposes to modify the availability of this Rate
17 Schedule to conform to the standardized rate design, and, as such, it will apply to
18 all customers with usage up to 1,500 kWh per month.

19 4) Rate Schedule GS-Medium will be revised consistent with the changes I
20 previously discussed for Met-Ed and Penelec.

- 1 5) The Company proposes to add a new Rate Schedule GS-Large for those
2 secondary voltage customers with demands over 400 kW. This new rate schedule
3 will have the same rate design as Met-Ed's and Penelec's GS-Large, except that
4 the cost allocation differentials will be derived from Penn Power's cost of service
5 study.
- 6 6) The Company proposes to eliminate Rate Schedule OH – Commercial and
7 Industrial Optional Heating.
- 8 7) The Company proposes to modify the design of Rate Schedule GP to include a
9 Customer Charge and to replace the existing kVA charge with a reactive power
10 charge in addition to a kW demand charge.
- 11 8) For Rate Schedule GT, a new Customer Charge is proposed. The balance of the
12 rate design will remain as currently structured.
- 13 9) As previously explained, the voltage discount for customers served at 115kV or
14 greater will be made consistent across all the Companies.

15 **C. West Penn**

16 **Q. Please describe the specific changes to the West Penn rate design that are being**
17 **proposed.**

18 A. The following changes are being proposed to the West Penn rate design:

- 19 1) The Wind Energy Service Rider that currently applies to all rate schedules will be
20 eliminated. No customers are served on this Rider.

- 1 **2)** The Company is proposing a Universal Service Cost Rider consistent with those
2 of the other three Companies. As I noted earlier, Ms. Bortz addresses this Rider
3 in Met-Ed/Penelec/Penn Power/West Penn Statement No. 4.
- 4 **3)** As previously explained, to be consistent with the other three Companies, West
5 Penn proposes to revise its DSS and HPS Riders to include an uncollectible
6 accounts component, as Ms. Gifford discusses in Met-Ed/Penelec/Penn
7 Power/West Penn Statement No. 7.
- 8 **4)** Rate Schedule 20 currently is available for non-Residential customers with loads
9 of less than 100 kW. The Company proposes to re-map the customers served on
10 this Rate Schedule to include all non-Residential customers that have usage of
11 less than 1,500 kWh per month. The rate design for this rate class will include a
12 new Customer Charge and will replace the demand charge with an energy-only
13 charge.
- 14 **5)** The Company proposes to transition Rate Schedules 22, 23, and 24 to Rate
15 Schedule 20. Rate Schedules 22 and 23 have been grandfathered for an extended
16 period of time and, due to unbundling, no longer provide a benefit to customers.
17 Because of the seasonal aspect of Rate Schedule 24- Fair and Carnival Service, it
18 is not designed for the current unbundled rate environment. Consequently, there
19 is no reason to retain these Rate Schedules.
- 20 **6)** For all Rate Schedules, the Company proposes to eliminate the block rate
21 structures and space heating options. Due to unbundling, block rates and pricing

1 differentials for space heating are not cost-justified. For that reason, and in order
2 to simplify the tariff, these provisions should be eliminated.

3 7) The Company proposes to remap Rate Schedule 30 to conform to the structure of
4 the other three Companies. Rate Schedule 30 currently distinguishes between
5 Rate Schedule 30 (Small) and Rate Schedule 30 (Large), with only customers
6 having loads of 500 kW or greater qualifying for the latter. The new structure
7 West Penn is proposing would maintain all secondary voltage customers with
8 loads of 400 kW or less on Rate Schedule 30. Rate Schedule 30 will be revised to
9 include a new Customer Charge and to remove the voltage discount for customers
10 with loads between 1,000 and 15,000 volts and for customers over 15,000 volts.
11 In addition, all block pricing will be eliminated. The Company also proposes to
12 include a reactive power charge in addition to a standard demand charge.

13 8) For all secondary voltage customers with loads over 400 kW, the Company is
14 proposing a new Rate Schedule 35 consisting of a Customer Charge, a kW
15 Demand Charge, and a reactive power charge.

16 9) The Company proposes to consolidate Rate Schedules 40 and 41 and to eliminate
17 the weekly demand provision in Rate Schedule 41, which is currently the only
18 difference between these two rate schedules. The rate design will include a
19 Customer Charge, a kW Demand Charge, and a per kWh energy charge. The
20 Company will maintain the existing reactive power charge, but eliminate the
21 block pricing and modify the voltage discounts to be stated on the basis of a
22 percentage of demand.

1 Finally, I would note that, in compliance with its commitment in the Commission-
2 approved Joint Petition for Partial Settlement at Docket Nos. A-2010-2176520 and A-
3 2010-2176732, West Penn is proposing no change in the design of Rate Schedules 44 and
4 46 in this case.

5 **VI. MISCELLANEOUS MATTERS**

6 **Q. Please describe the provisions of 52 Pa. Code § 69.36.**

7 A. This section of the Commission’s regulations is a Statement of Policy expressing the
8 Commission’s intent to examine in electric and gas rate proceedings actions taken by
9 utilities to encourage the development of cost effective energy supply alternatives. I am
10 responding only to 52 Pa. Code § 69.36(5), which requires utilities to demonstrate
11 “progressive work regarding the development of a reliable customer data base.”

12 **Q. Please address the Companies’ efforts to develop a reliable customer data base in**
13 **accordance with 52 Pa. Code § 69.36(5).**

14 A. The Companies have completed substantial work in this area. The Companies’ Customer
15 Care System currently contains data for each customer regarding billing, usage and
16 usage-related revenue, demand and demand-related revenue, rate categories and a
17 “premises” code. The premises code keeps track of all data associated with a location,
18 even if the customer at that location changes its name, moves, etc. More recently, the
19 Companies have developed a “business warehouse” data base that allows the Companies
20 to query customer-specific data. In addition to this data base, the Companies routinely
21 complete residential customer surveys, which produce additional information concerning
22 customers’ characteristics, such as appliance usage and air conditioning saturation. Also,

1 each year the Companies conduct a Large Power Customer contact survey. Throughout
2 the year, Company representatives routinely meet with large customers to discuss their
3 current and long-term needs and other factors related to their electric service. These
4 contacts provide information regarding programs, services, rates and other information
5 which might affect their businesses.

6 From these data bases, surveys and other contacts with customers, the Companies have
7 amassed a substantial amount of information about customers' end-use applications and
8 their behavior and decision-making processes. This information is routinely factored into
9 the Companies' planning for furnishing service and conducting their operations.

10 **VII. CONCLUSION**

11 **Q. Does this complete your direct testimony?**

12 **A.** Yes, it does.

Resume: Education and Experience of Kevin M. Siedt

Education:

1984 Bachelor of Science Degree- Accounting/Finance, Rowan University, Glassboro, New Jersey

1994 Masters of Business Administration Degree, Moravian College, Bethlehem, PA

Experience:

1984 – 1987 Commercial Credit Analyst – First Fidelity Bank

1987 – 1993 Financial Analyst, Corporate Finance Department – Foster Wheeler Corporation

1993 – 1996 Senior Financial Analyst, Corporate and Project Finance – Foster Wheeler Corporation

1996 – 1997 Manager of Financial Analysis, Corporate and Project Finance - Foster Wheeler Corporation

1997 – 1998 Director of Financial Analysis, Corporate and Project Finance – Foster Wheeler Corporation

1998 – 2001 Financial Consultant, Treasury Department – GPU Corporation

2001 – 2002 Consultant, Market Economics – GPU Corporation

2002 – 2010 Staff Business Analyst, Rates and Regulatory Affairs – FirstEnergy Service Company

2010 – Present Rate Analyst V, Rates and Regulatory Affairs – FirstEnergy Service Company

Prepared and presented testimony in the following rate-related cases:

Pa. P.U.C. Cases: Docket Nos. P-2014-2400828
P-2013-2390445
P-2013-2391368
P-2013-2391372
P-2013-2391375
P-2013-2391378
P-00072259
P-2010-2157862
M-2011-2250561
M-2011-2259298
M-2011-2250682
P-2012-2292284
C-2012-2284617
C-2012-2295306

M-2012-2312766
M-2012-2312767
M-2012-2312769
M-2012-2312772
M-2012-2312633
M-2012-2312770
M-2012-2334387
M-2912-2334392
M-2912-2334395
M-2912-2334398

NJ BPU Cases: Docket Nos. ER05121018
EM02030152
EM03060438
EM04010045
EM05040314
EM12040309

Assisted in development and preparation of the following rate cases:

Pa. P.U.C. Cases: Docket Nos. R-00061366
R-00061367
P-0072305
M-2008-2069887
P-2008-20066692
P-2009-2093053
P-2009-2093054
R-00974008
R-00974009
M-2009-2092222
M-2009-2112952
M-2009-2552956
P-2009-2093053
P-2009-2093054
M-A-2010-2176520
A-2010-2176732
P-2011-2273650
P-2011-2273668
P-2011-2273669
P-2011-2273670
M-2012-2289411

Pennsylvania Power Company
 Sales and Distribution Revenue Normalization
 Fully Projected Test Year Twelve Months Ending April 2016

Basic Input Factors

Line No.	Rate Group (1)	Number of Customers End of Period (2)	Monthly Average (3)	Billed Usage (KWH) (4)	Billed Demand* Units (5)	Billed Revenues** (\$) (6)	Incremental Rate** (¢/KWH) (7)	Incremental Rate** (\$/Customer) (8)	Incremental Rate** (\$/Demand*) (9)	Added Customers (10)	Added Customer Useage (KWH) (11)	Added Customer Demands* (12)	Specific Energy Adjustment (13)	Specific Demand* Adjustment (14)	Added Customer Revenue** (15)	Specific Revenue** Adjustment (16)
1	RS	123,995	119,711	1,290,326,705	0	\$ 41,378,566	2.213¢	\$ 8.927	N/A	4,284	46,177,236	0	(4,877,887)	0	\$ 1,480,821	\$ (107,948)
2	RH	12,445	15,030	378,356,574	0	\$ 7,447,650	1.530¢	\$ 9.548	N/A	(2,585)	(65,072,205)	0	(1,143,405)	0	\$ (1,291,784)	\$ (17,494)
3	WH	5,071	6,670	16,745,942	0	\$ 553,868	2.213¢	\$ 2.290	N/A	(1,599)	(4,015,089)	0	(46,464)	0	\$ (132,794)	\$ (1,028)
4	GSR	71	69	1,682,099	0	\$ 44,614	2.213¢	\$ 8.890	N/A	2	48,756	0	(6,317)	0	\$ 1,292	\$ (140)
5	TOT RES	141,582	141,480	1,687,111,320	0	\$ 49,424,698				102	(22,861,302)	0	(6,074,073)	0	\$ 57,535	\$ (126,610)
6	GS	17,987	17,830	426,007,116	1,241,820	\$ 8,500,130	0.049¢	\$ 14.239	\$ 4.357	157	3,751,201	10,990	(1,307,934)	(3,813)	\$ 76,548	\$ (17,254)
7	GM	1,367	1,349	853,978,033	2,737,886	\$ 7,583,944	0.010¢	\$ 0.202	\$ 2.770	18	11,394,810	36,540	(2,633,691)	(8,444)	\$ 102,399	\$ (23,653)
8	OH	321	419	35,897,955	0	\$ 520,629	1.340¢	\$ 7.870	N/A	(98)	(8,396,150)	0	(83,699)	0	\$ (121,764)	\$ (1,122)
9	OL	832	828	2,907,832	0	\$ 41,612	0.000¢	\$ 27.430	N/A	4	14,048	0	(8,893)	0	\$ 1,317	\$ -
10	PNP	95	94	2,359,909	0	\$ 63,439	2.263¢	\$ 8.890	N/A	1	25,105	0	(7,259)	0	\$ 675	\$ (164)
11	TOT COM	20,602	20,520	1,321,150,845	3,979,706	\$ 16,709,754				82	6,789,014	47,530	(4,041,476)	(12,257)	\$ 59,175	\$ (42,193)
12	GP	106	106	370,735,669	958,362	\$ 1,600,465	0.000¢	\$ -	\$ 1.670	0	0	0	(243,319)	(629)	\$ -	\$ (1,050)
13	GT	40	40	1,383,913,856	3,673,423	\$ 1,287,987	0.000¢	\$ -	\$ 0.351	0	0	0	(908,283)	(2,411)	\$ -	\$ (846)
14	QF	2	0	0	0	\$ -	0.000¢	\$ 30.000	N/A	2	0	0	0	0	\$ 720	\$ -
15	TOT IND	148	146	1,754,649,525	4,631,785	\$ 2,888,452				2	0	0	(1,151,602)	(3,040)	\$ 720	\$ (1,896)
16	STLT	86	86	6,189,168	0	\$ 1,073,448	0.000¢	\$ 1,040.163	N/A	0	0	0	0	0	\$ -	\$ -
17	TOTAL PA	162,418	162,232	4,769,100,858	8,611,491	\$ 70,096,352				186	(16,072,288)	47,530	(11,267,151)	(15,297)	\$ 117,430	\$ (170,699)

*Includes billed kW and kVA

**Excludes STAS revenue; includes 4.4% GRT

Pennsylvania Power Company
 Sales and Distribution Revenue Normalization
 Fully Projected Test Year Twelve Months Ending April 2016

Energy Usage and Adjustments

Line No.	Rate Group (1)	Number of Customers		Added Customers (2)-(3) (4)	Billed Usage (KWH) (5)	Billed Demand* Units (6)	KWH per Customer (5)/(3) (7)	Demand* per Customer (6)/(3) (8)	Added Customer KWH Usage (4)*(7) (9)	Added Customer Demands* (4)*(8) (10)	Specific Energy Adjust (KWH) (11)	Specific Demand* Adjustment (10)*(6)/(5) (12)	Total Energy Adjustment (9)+(11) (13)	Total Demand* Adjustment (10)+(12) (14)	Normalized Energy (KWH) (5)+(13) (15)	Normalized Demands* (6)+(14) (16)
		End of Period (2)	Monthly Average (3)													
1	RS	123,995	119,711	4,284	1,290,326,705	0	10,779	0	46,177,236	0	(4,877,887)	0	41,299,349	0	1,331,626,054	0
2	RH	12,445	15,030	(2,585)	378,356,574	0	25,173	0	(65,072,205)	0	(1,143,405)	0	(66,215,610)	0	312,140,964	0
3	WH	5,071	6,670	(1,599)	16,745,942	0	2,511	0	(4,015,089)	0	(46,464)	0	(4,061,553)	0	12,684,389	0
4	GSR	71	69	2	1,682,099	0	24,378	0	48,756	0	(6,317)	0	42,439	0	1,724,538	0
5	TOT RES	141,582	141,480	102	1,687,111,320	0			(22,861,302)	0	(6,074,073)	0	(28,935,375)	0	1,658,175,945	0
6	GS	17,987	17,830	157	426,007,116	1,241,820	23,893	70	3,751,201	10,990	(1,307,934)	(3,813)	2,443,267	7,177	428,450,383	1,248,997
7	GM	1,367	1,349	18	853,978,033	2,737,886	633,045	2,030	11,394,810	36,540	(2,633,691)	(8,444)	8,761,119	28,096	862,739,152	2,765,982
8	OH	321	419	(98)	35,897,955	0	85,675	0	(8,396,150)	0	(83,699)	0	(8,479,849)	0	27,418,106	0
9	OL	832	828	4	2,907,832	0	3,512	0	14,048	0	(8,893)	0	5,155	0	2,912,987	0
10	PNP	95	94	1	2,359,909	0	25,105	0	25,105	0	(7,259)	0	17,846	0	2,377,755	0
11	TOT COM	20,602	20,520	82	1,321,150,845	3,979,706			6,789,014	47,530	(4,041,476)	(12,257)	2,747,538	35,273	1,323,898,383	4,014,979
12	GP	106	106	0	370,735,669	958,362	3,497,506	9,041	0	0	(243,319)	(629)	(243,319)	(629)	370,492,350	957,733
13	GT	40	40	0	1,383,913,856	3,673,423	34,597,846	91,836	0	0	(908,283)	(2,411)	(908,283)	(2,411)	1,383,005,573	3,671,012
14	QF	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
15	TOT IND	148	146	2	1,754,649,525	4,631,785			0	0	(1,151,602)	(3,040)	(1,151,602)	(3,040)	1,753,497,923	4,628,745
16	STLT	86	86	0	6,189,168	0	71,967	0	0	0	0	0	0	0	6,189,168	0
17	TOTAL PA	162,418	162,232	186	4,769,100,858	8,611,491			(16,072,288)	47,530	(11,267,151)	(15,297)	(27,339,439)	32,233	4,741,761,419	8,643,724

*Includes billed kW and kVA

Pennsylvania Power Company
 Sales and Distribution Revenue Normalization
 Fully Projected Test Year Twelve Months Ending April 2016

Revenues and Adjustments																
Line No.	Rate Group (1)	Billed Usage (KWH) (2)	Billed Revenues** (\$) (3)	Added Customers (4)	Added Customer KWH Usage (5)	Added Customer Demands* (6)	Specific Energy Adjustment (7)	Specific Demand* Adjustment (8)	Incremental Rate** (¢/KWH) (9)	Incremental Rate** (\$/Customer) (10)	Incremental Rate** (\$/Demand*) (11)	Added Customer Use Revenue** (4)*(10)+2+(5)*(9)/100+(6)*(11) (12)	Specific Revenue** Adjustment (7)*(9)/100+(8)*(11) (13)	Other Revenue** Adjustment (14)	Total Revenue** Adjustment (12)+(13)+(14) (15)	Normalized Revenues** (3)+(15) (16)
1	RS	1,290,326,705	\$ 41,378,566	4,284	46,177,236	0	(4,877,887)	0	2.213¢	\$ 8.927	N/A	\$ 1,480,821	\$ (107,948)	\$ -	\$ 1,372,873	\$ 42,751,439
2	RH	378,356,574	\$ 7,447,650	(2,585)	(65,072,205)	0	(1,143,405)	0	1.530¢	\$ 9.548	N/A	\$ (1,291,784)	\$ (17,494)	\$ 63,276	\$ (1,246,002)	\$ 6,201,648
3	WH	16,745,942	\$ 553,868	(1,599)	(4,015,089)	0	(46,464)	0	2.213¢	\$ 2.290	N/A	\$ (132,794)	\$ (1,028)	\$ -	\$ (133,822)	\$ 420,046
4	GSR	1,682,099	\$ 44,614	2	48,756	0	(6,317)	0	2.213¢	\$ 8.890	N/A	\$ 1,292	\$ (140)	\$ -	\$ 1,152	\$ 45,766
5	TOT RES	1,687,111,320	\$ 49,424,698	102	(22,861,302)	0	(6,074,073)	0				\$ 57,535	\$ (126,610)	\$ 63,276	\$ (5,799)	\$ 49,418,899
6	GS	426,007,116	\$ 8,500,130	157	3,751,201	10,990	(1,307,934)	(3,813)	0.049¢	\$ 14.239	\$ 4.357	\$ 76,548	\$ (17,254)	\$ 164,687	\$ 223,981	\$ 8,724,111
7	GM	853,978,033	\$ 7,583,944	18	11,394,810	36,540	(2,633,691)	(8,444)	0.010¢	\$ 0.202	\$ 2.770	\$ 102,399	\$ (23,653)	\$ 90,245	\$ 168,991	\$ 7,752,935
8	OH	35,897,955	\$ 520,629	(98)	(8,396,150)	0	(83,699)	0	1.340¢	\$ 7.870	N/A	\$ (121,764)	\$ (1,122)	\$ -	\$ (122,886)	\$ 397,743
9	OL	2,907,832	\$ 41,612	4	14,048	0	(8,893)	0	0.000¢	\$ 27.430	N/A	\$ 1,317	\$ -	\$ 230,930	\$ 232,247	\$ 273,859
10	PNP	2,359,909	\$ 63,439	1	25,105	0	(7,259)	0	2.263¢	\$ 8.890	N/A	\$ 675	\$ (164)	\$ -	\$ 511	\$ 63,950
11	TOT COM	1,321,150,845	\$ 16,709,754	82	6,789,014	47,530	(4,041,476)	(12,257)				\$ 59,175	\$ (42,193)	\$ 485,862	\$ 502,844	\$ 17,212,598
12	GP	370,735,669	\$ 1,600,465	0	0	0	(243,319)	(629)	0.000¢	\$ -	\$ 1.670	\$ -	\$ (1,050)	\$ -	\$ (1,050)	\$ 1,599,415
13	GT	1,383,913,856	\$ 1,287,987	0	0	0	(908,283)	(2,411)	0.000¢	\$ -	\$ 0.351	\$ -	\$ (846)	\$ -	\$ (846)	\$ 1,287,141
14	QF	0	\$ -	2	0	0	0	0	0.000¢	\$ 30.000	N/A	\$ 720	\$ -	\$ (4,308)	\$ (3,588)	\$ (3,588)
15	TOT IND	1,754,649,525	\$ 2,888,452	2	0	0	(1,151,602)	(3,040)				\$ 720	\$ (1,896)	\$ (4,308)	\$ (5,484)	\$ 2,882,968
16	STLT	6,189,168	\$ 1,073,448	0	0	0	0	0	0.000¢	\$ 1,040.163	N/A	\$ -	\$ -	\$ -	\$ -	\$ 1,073,448
17	TOTAL PA	4,769,100,858	\$ 70,096,352	186	(16,072,288)	47,530	(11,267,151)	(15,297)				\$ 117,430	\$ (170,699)	\$ 544,830	\$ 491,561	\$ 70,587,913

*Includes billed kW and kVA
 **Excludes STAS revenue; includes 4.4% GRT

Other Revenue Adjustments

- The budget forecast assumed that approximately one-third of Rate RH customers would take service on the controlled water heating option. However, approximately two-thirds of these customer employ that option currently, and the same percentage is expected to do so as of the end of the fully projected future test year. The customer charge for the controlled water heating option is \$9.91, versus \$8.86 for the standard RH Rate.
- The number of customers on the controlled water option for Rate Schedules GS and GS Medium used to forecast revenue for budget purposes was understated. Similar to Rate Schedule RH, the water heating options for these rate schedules have higher customer charges than those for standard service.
- Private Outdoor Lighting Service ("PLS") adjustment - This adjustment increases revenues to reflect PLS fixture charges that were not included in the budget forecast.
- Qualifying Facility Rate adjustment - Two adjustments were made to revenues under Rate Schedule QF. One adjustment is to account for a \$50 per month customer charges that was not reflected in the forecasted budget data. The second adjustment was made to reflect the applicable energy credit given customers on Rate Schedule QF for energy delivered to the Company

	Amount
	\$ 63,276
	\$ 254,932
	\$ 230,930
	\$ 600
	\$ (4,908)
Total	\$ 544,830

Pennsylvania Power Company
Sales and Distribution Revenue Normalization
Future Test Year Twelve Months Ending March 2015

Basic Input Factors

Line No.	Rate Group (1)	Number of Customers End of Period (2)	Monthly Average (3)	Billed Usage (KWH) (4)	Billed Demand* Units (5)	Billed Revenues** (\$) (6)	Incremental Rate** (¢/KWH) (7)	Incremental Rate** (\$/Customer) (8)	Incremental Rate** (\$/Demand*) (9)	Added Customers (10)	Added Customer Useage (KWH) (11)	Added Customer Demands* (12)	Specific Energy Adjustment (13)	Specific Demand* Adjustment (14)	Added Customer Use Revenue** (15)	Specific Revenue** Adjustment (16)
1	RS	123,119	120,348	1,297,408,114	0	\$ 41,600,691	2.213¢	\$ 8.925	N/A	2,771	29,871,380	0	(10,784,049)	0	\$ 957,828	\$ (238,651)
2	RH	12,822	14,829	374,787,833	0	\$ 7,376,228	1.530¢	\$ 9.548	N/A	(2,007)	(50,724,918)	0	(2,632,988)	0	\$ (1,006,045)	\$ (40,285)
3	WH	5,334	6,551	16,375,640	0	\$ 542,424	2.213¢	\$ 2.290	N/A	(1,217)	(3,042,500)	0	(108,331)	0	\$ (100,774)	\$ (2,397)
4	GSR	71	69	1,694,458	0	\$ 44,899	2.213¢	\$ 8.890	N/A	2	49,114	0	(14,166)	0	\$ 1,300	\$ (313)
5	TOT RES	141,346	141,797	1,690,266,045	0	\$ 49,564,242				(451)	(23,846,924)	0	(13,539,534)	0	\$ (147,691)	\$ (281,646)
6	GS	17,792	17,554	430,432,014	1,255,166	\$ 8,510,433	0.049¢	\$ 14.239	\$ 4.357	238	5,835,760	17,136	(6,238,130)	(18,191)	\$ 118,188	\$ (82,315)
7	GM	1,354	1,336	864,512,549	2,777,319	\$ 7,693,173	0.010¢	\$ 0.204	\$ 2.770	18	11,647,620	37,422	(12,528,088)	(40,248)	\$ 104,868	\$ (112,740)
8	OH	337	406	36,077,426	0	\$ 521,764	1.340¢	\$ 7.870	N/A	(69)	(6,131,409)	0	(428,194)	0	\$ (88,677)	\$ (5,738)
9	OL	831	828	2,907,909	0	\$ 41,622	0.000¢	\$ 28.599	N/A	3	10,536	0	(41,730)	0	\$ 1,030	\$ -
10	PNP	94	93	2,371,721	0	\$ 63,554	2.263¢	\$ 8.890	N/A	1	25,502	0	(34,278)	0	\$ 684	\$ (776)
11	TOT COM	20,408	20,217	1,336,301,619	4,032,485	\$ 16,830,546				191	11,388,009	54,558	(19,270,420)	(58,439)	\$ 136,093	\$ (201,569)
12	GP	106	108	376,966,870	967,022	\$ 1,614,926	0.000¢	\$ -	\$ 1.670	(2)	(6,980,868)	(17,908)	(2,124,700)	(5,450)	\$ (29,906)	\$ (9,102)
13	GT	40	41	1,284,906,390	3,411,063	\$ 1,192,488	0.000¢	\$ -	\$ 0.350	(1)	(31,339,180)	(83,197)	(7,198,796)	(19,111)	\$ (29,119)	\$ (6,689)
14	QF	2	0	0	0	\$ -	0.000¢	\$ 30.000	N/A	2	0	0	0	0	\$ 720	\$ -
15	TOT IND	148	149	1,661,873,260	4,378,085	\$ 2,807,414				(1)	(38,320,048)	(101,105)	(9,323,496)	(24,561)	\$ (58,305)	\$ (15,791)
16	STLT	86	87	6,189,168	0	\$ 1,073,448	0.000¢	\$ 1,031.170	N/A	(1)	(71,140)	0	0	0	\$ (12,374)	\$ -
17	TOTAL PA	161,988	162,250	4,694,630,092	8,410,570	\$ 70,275,650				(262)	(50,850,103)	(46,547)	(42,133,450)	(83,000)	\$ (82,277)	\$ (499,006)

*Includes billed kW and kVA

**Excludes STAS revenue; includes 4.4% GRT

Pennsylvania Power Company
 Sales and Distribution Revenue Normalization
 Future Test Year Twelve Months Ending March 2015

Energy Usage and Adjustments

Line No.	Rate Group (1)	Number of Customers		Added Customers (2)-(3) (4)	Billed Usage (KWH) (5)	Billed Demand* Units (6)	KWH per Customer (5)/(3) (7)	Demand* per Customer (6)/(3) (8)	Added Customer KWH Usage (4)*(7) (9)	Added Customer Demands* (4)*(8) (10)	Specific Energy Adjust (KWH) (11)	Specific Demand* Adjustment (10)*(6)/(5) (12)	Total Energy Adjustment (9)+(11) (13)	Total Demand* Adjustment (10)+(12) (14)	Normalized Energy (KWH) (5)+(13) (15)	Normalized Demands* (6)+(14) (16)
		End of Period (2)	Monthly Average (3)													
1	RS	123,119	120,348	2,771	1,297,408,114	0	10,780	0	29,871,380	0	(10,784,049)	0	19,087,331	0	1,316,495,445	0
2	RH	12,822	14,829	(2,007)	374,787,833	0	25,274	0	(50,724,918)	0	(2,632,988)	0	(53,357,906)	0	321,429,927	0
3	WH	5,334	6,551	(1,217)	16,375,640	0	2,500	0	(3,042,500)	0	(108,331)	0	(3,150,831)	0	13,224,809	0
4	GSR	71	69	2	1,694,458	0	24,557	0	49,114	0	(14,166)	0	34,948	0	1,729,406	0
5	TOT RES	141,346	141,797	(451)	1,690,266,045	0			(23,846,924)	0	(13,539,534)	0	(37,386,458)	0	1,652,879,587	0
6	GS	17,792	17,554	238	430,432,014	1,255,166	24,520	72	5,835,760	17,136	(6,238,130)	(18,191)	(402,370)	(1,055)	430,029,644	1,254,111
7	GM	1,354	1,336	18	864,512,549	2,777,319	647,090	2,079	11,647,620	37,422	(12,528,088)	(40,248)	(880,468)	(2,826)	863,632,081	2,774,493
8	OH	337	406	(69)	36,077,426	0	88,861	0	(6,131,409)	0	(428,194)	0	(6,559,603)	0	29,517,823	0
9	OL	831	828	3	2,907,909	0	3,512	0	10,536	0	(41,730)	0	(31,194)	0	2,876,715	0
10	PNP	94	93	1	2,371,721	0	25,502	0	25,502	0	(34,278)	0	(8,776)	0	2,362,945	0
11	TOT COM	20,408	20,217	191	1,336,301,619	4,032,485			11,388,009	54,558	(19,270,420)	(58,439)	(7,882,411)	(3,881)	1,328,419,208	4,028,604
12	GP	106	108	(2)	376,966,870	967,022	3,490,434	8,954	(6,980,868)	(17,908)	(2,124,700)	(5,450)	(9,105,568)	(23,358)	367,861,302	943,664
13	GT	40	41	(1)	1,284,906,390	3,411,063	31,339,180	83,197	(31,339,180)	(83,197)	(7,198,796)	(19,111)	(38,537,976)	(102,308)	1,246,368,414	3,308,755
14	QF	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
15	TOT IND	148	149	(1)	1,661,873,260	4,378,085			(38,320,048)	(101,105)	(9,323,496)	(24,561)	(47,643,544)	(125,666)	1,614,229,716	4,252,419
16	STLT	86	87	(1)	6,189,168	0	71,140	0	(71,140)	0	0	0	(71,140)	0	6,118,028	0
17	TOTAL PA	161,988	162,250	(262)	4,694,630,092	8,410,570			(50,850,103)	(46,547)	(42,133,450)	(83,000)	(92,983,553)	(129,547)	4,601,646,539	8,281,023

*Includes billed kW and kVA

Pennsylvania Power Company
 Sales and Distribution Revenue Normalization
 Future Test Year Twelve Months Ending March 2015

Revenues and Adjustments																	
Line No.	Rate Group (1)	Billed Usage (KWH) (2)	Billed Revenues** (\$) (3)	Added Customers (4)	Added Customer KWH Usage (5)	Added Customer Demands* (6)	Specific Energy Adjustment (7)	Specific Demand* Adjustment (8)	Incremental Rate** (¢/KWH) (9)	Incremental Rate** (\$/Customer) (10)	Incremental Rate** (\$/Demand*) (11)	Added Customer Use Revenue** (4)*(10)*12+(5)*(9)/100+(6)*(11) (12)	Specific Revenue** Adjustment (7)*(9)/100+(8)*(11) (13)	Other Revenue** Adjustment (14)	Total Revenue** Adjustment (12)+(13)+(14) (15)	Normalized Revenues** (3)+(15) (16)	
1	RS	1,297,408,114	\$ 41,600,691	2,771	29,871,380	0	(10,784,049)	0	2.213¢	\$ 8.925	N/A	\$ 957,828	\$ (238,651)	\$ -	\$ 719,177	\$ 42,319,868	
2	RH	374,787,833	\$ 7,376,228	(2,007)	(50,724,918)	0	(2,632,988)	0	1.530¢	\$ 9.548	N/A	\$ (1,006,045)	\$ (40,285)	\$ 57,089	\$ (989,241)	\$ 6,386,987	
3	WH	16,375,640	\$ 542,424	(1,217)	(3,042,500)	0	(108,331)	0	2.213¢	\$ 2.290	N/A	\$ (100,774)	\$ (2,397)	\$ -	\$ (103,171)	\$ 439,253	
4	GSR	1,694,458	\$ 44,899	2	49,114	0	(14,166)	0	2.213¢	\$ 8.890	N/A	\$ 1,300	\$ (313)	\$ -	\$ 987	\$ 45,886	
5	TOT RES	1,690,266,045	\$ 49,564,242	(451)	(23,846,924)	0	(13,539,534)	0				\$ (147,691)	\$ (281,646)	\$ 57,089	\$ (372,248)	\$ 49,191,994	
6	GS	430,432,014	\$ 8,510,433	238	5,835,760	17,136	(6,238,130)	(18,191)	0.049¢	\$ 14.239	\$ 4.357	\$ 118,188	\$ (82,315)	\$ 164,687	\$ 200,560	\$ 8,710,993	
7	GM	864,512,549	\$ 7,693,173	18	11,647,620	37,422	(12,528,088)	(40,248)	0.010¢	\$ 0.204	\$ 2.770	\$ 104,868	\$ (112,740)	\$ 90,245	\$ 82,373	\$ 7,775,546	
8	OH	36,077,426	\$ 521,764	(69)	(6,131,409)	0	(428,194)	0	1.340¢	\$ 7.870	N/A	\$ (88,677)	\$ (5,738)	\$ -	\$ (94,415)	\$ 427,349	
9	OL	2,907,909	\$ 41,622	3	10,536	0	(41,730)	0	0.000¢	\$ 28.599	N/A	\$ 1,030	\$ -	\$ 242,539	\$ 243,569	\$ 285,191	
10	PNP	2,371,721	\$ 63,554	1	25,502	0	(34,278)	0	2.263¢	\$ 8.890	N/A	\$ 684	\$ (776)	\$ -	\$ (92)	\$ 63,462	
11	TOT COM	1,336,301,619	\$ 16,830,546	191	11,388,009	54,558	(19,270,420)	(58,439)				\$ 136,093	\$ (201,569)	\$ 497,471	\$ 431,995	\$ 17,262,541	
12	GP	376,966,870	\$ 1,614,926	(2)	(6,980,868)	(17,908)	(2,124,700)	(5,450)	0.000¢	\$ -	\$ 1.670	\$ (29,906)	\$ (9,102)	\$ -	\$ (39,008)	\$ 1,575,918	
13	GT	1,284,906,390	\$ 1,192,488	(1)	(31,339,180)	(83,197)	(7,198,796)	(19,111)	0.000¢	\$ -	\$ 0.350	\$ (29,119)	\$ (6,689)	\$ -	\$ (35,808)	\$ 1,156,680	
14	QF	0	\$ -	2	0	0	0	0	0.000¢	\$ 30.000	N/A	\$ 720	\$ -	\$ (4,308)	\$ (3,588)	\$ (3,588)	
15	TOT IND	1,661,873,260	\$ 2,807,414	(1)	(38,320,048)	(101,105)	(9,323,496)	(24,561)				\$ (58,305)	\$ (15,791)	\$ (4,308)	\$ (78,404)	\$ 2,729,010	
16	STLT	6,189,168	\$ 1,073,448	(1)	(71,140)	0	0	0	0.000¢	\$ 1,031.170	N/A	\$ (12,374)	\$ -	\$ -	\$ (12,374)	\$ 1,061,074	
17	TOTAL PA	4,694,630,092	\$ 70,275,650	(262)	(50,850,103)	(46,547)	(42,133,450)	(83,000)				\$ (82,277)	\$ (499,006)	\$ 550,252	\$ (31,031)	\$ 70,244,619	

*Includes billed kW and kVA

**Excludes STAS revenue; includes 4.4% GRT

Pennsylvania Power Company
 Sales and Distribution Revenue Normalization
 Historic Test Year Twelve Months Ending March 2014

Basic Input Factors

Line No.	Rate Group (1)	Number of Customers		Billed Usage (KWH) (4)	Billed Demand* Units (5)	Billed Revenues** (\$) (6)	Incremental Rate** (¢/KWH) (7)	Incremental Rate** (\$/Customer) (8)	Incremental Rate** (\$/Demand*) (9)	Added Customers (10)	Added Customer Usage (KWH) (11)	Added Customer Demands* (12)	Specific Energy Adjustment (13)	Specific Demand* Adjustment (14)	Added Customer Use Revenue** (15)	Specific Revenue** Adjustment (16)
		End of Period (2)	Monthly Average (3)													
1	RS	122,820	122,015	1,371,707,665	0	\$ 44,099,589	2.213¢	\$ 8.914	N/A	805	9,049,810	0	(64,320,411)	0	\$ 286,382	\$ (1,423,411)
2	RH	13,251	13,472	370,154,226	0	\$ 7,272,242	1.530¢	\$ 9.548	N/A	(221)	(6,072,196)	0	(16,960,188)	0	\$ (118,226)	\$ (259,491)
3	WH	5,626	5,779	14,059,891	0	\$ 470,390	2.213¢	\$ 2.290	N/A	(153)	(372,249)	0	(637,617)	0	\$ (12,442)	\$ (14,110)
4	GSR	69	69	1,737,711	0	\$ 46,165	2.213¢	\$ 8.890	N/A	0	0	0	(80,949)	0	\$ -	\$ (1,791)
5	TOT RES	141,766	141,335	1,757,659,493	0	\$ 51,888,386				431	2,605,365	0	(81,999,165)	0	\$ 155,714	\$ (1,698,803)
6	GS	17,511	17,411	443,031,818	1,315,576	\$ 9,102,771	0.047¢	\$ 14.239	\$ 4.357	100	2,544,600	7,600	(15,294,354)	(45,416)	\$ 51,396	\$ (205,066)
7	GM	1,375	1,366	881,907,977	2,843,189	\$ 7,965,874	0.010¢	\$ 0.199	\$ 2.770	9	5,810,517	18,729	(30,470,825)	(98,235)	\$ 52,482	\$ (275,158)
8	OH	355	365	37,148,676	0	\$ 536,845	1.340¢	\$ 7.870	N/A	(10)	(1,017,770)	0	(1,240,189)	0	\$ (14,583)	\$ (16,619)
9	OL	830	830	2,934,175	0	\$ 275,599	0.000¢	\$ 27.668	N/A	0	0	0	(100,715)	0	\$ -	\$ -
10	PNP	92	92	2,288,378	0	\$ 61,827	2.263¢	\$ 8.890	N/A	0	0	0	(78,548)	0	\$ -	\$ (1,778)
11	TOT COM	20,163	20,064	1,367,311,024	4,158,765	\$ 17,942,916				99	7,337,347	26,329	(47,184,631)	(143,651)	\$ 89,295	\$ (498,621)
12	GP	110	109	371,807,571	964,944	\$ 1,612,499	0.000¢	\$ -	\$ 1.670	1	3,411,079	8,853	234,077	607	\$ 14,785	\$ 1,014
13	GT	38	38	1,152,639,823	3,179,518	\$ 1,105,572	0.000¢	\$ -	\$ 0.348	0	0	0	719,066	1,984	\$ -	\$ 690
14	QF	2	2	0	0	\$ (3,582)	0.000¢	\$ 30.000	\$ -	0	0	0	0	0	\$ -	\$ -
15	TOT IND	150	149	1,524,447,394	4,144,462	\$ 2,714,489				1	3,411,079	8,853	953,143	2,591	\$ 14,785	\$ 1,704
16	STLT	86	86	6,225,920	0	\$ 1,120,818	0.000¢	\$ 1,085.013	N/A	0	0	0	0	0	\$ -	\$ -
17	TOTAL PA	162,165	161,634	4,655,643,831	8,303,227	\$ 73,666,609				531	13,353,791	35,182	(128,230,653)	(141,060)	\$ 259,794	\$ (2,195,720)

*Includes billed kW and kVA

**Excludes STAS revenue; includes 4.4% GRT

Pennsylvania Power Company
 Sales and Distribution Revenue Normalization
 Historic Test Year Twelve Months Ending March 2014

Energy Usage and Adjustments

Line No.	Rate Group (1)	Number of Customers End of Period (2)	Monthly Average (3)	Added Customers (2)-(3) (4)	Billed Usage (KWH) (5)	Billed Demand* Units (6)	KWH per Customer (5)/(3) (7)	Demand* per Customer (6)/(3) (8)	Added Customer KWH Usage (4)*(7) (9)	Added Customer Demands* (4)*(8) (10)	Specific Energy Adjust (KWH) (11)	Specific Demand* Adjustment (10)*(6)/(5) (12)	Total Energy Adjustment (9)+(11) (13)	Total Demand* Adjustment (10)+(12) (14)	Normalized Energy (KWH) (5)+(13) (15)	Normalized Demands* (6)+(14) (16)
1	RS	122,820	122,015	805	1,371,707,665	0	11,242	0	9,049,810	0	(64,320,411)	0	(55,270,601)	0	1,316,437,064	0
2	RH	13,251	13,472	(221)	370,154,226	0	27,476	0	(6,072,196)	0	(16,960,188)	0	(23,032,384)	0	347,121,842	0
3	WH	5,626	5,779	(153)	14,059,891	0	2,433	0	(372,249)	0	(637,617)	0	(1,009,866)	0	13,050,025	0
4	GSR	69	69	0	1,737,711	0	25,184	0	0	0	(80,949)	0	(80,949)	0	1,656,762	0
5	TOT RES	141,766	141,335	431	1,757,659,493	0			2,605,365	0	(81,999,165)	0	(79,393,800)	0	1,678,265,693	0
6	GS	17,511	17,411	100	443,031,818	1,315,576	25,446	76	2,544,600	7,600	(15,294,354)	(45,416)	(12,749,754)	(37,816)	430,282,064	1,277,760
7	GM	1,375	1,366	9	881,907,977	2,843,189	645,613	2,081	5,810,517	18,729	(30,470,825)	(98,235)	(24,660,308)	(79,506)	857,247,669	2,763,683
8	OH	355	365	(10)	37,148,676	0	101,777	0	(1,017,770)	0	(1,240,189)	0	(2,257,959)	0	34,890,717	0
9	OL	830	830	0	2,934,175	0	3,535	0	0	0	(100,715)	0	(100,715)	0	2,833,460	0
10	PNP	92	92	0	2,288,378	0	24,874	0	0	0	(78,548)	0	(78,548)	0	2,209,830	0
11	TOT COM	20,163	20,064	99	1,367,311,024	4,158,765			7,337,347	26,329	(47,184,631)	(143,651)	(39,847,284)	(117,322)	1,327,463,740	4,041,443
12	GP	110	109	1	371,807,571	964,944	3,411,079	8,853	3,411,079	8,853	234,077	607	3,645,156	9,460	375,452,727	974,404
13	GT	38	38	0	1,152,639,823	3,179,518	30,332,627	83,672	0	0	719,066	1,984	719,066	1,984	1,153,358,889	3,181,502
14	QF	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
15	TOT IND	150	149	1	1,524,447,394	4,144,462			3,411,079	8,853	953,143	2,591	4,364,222	11,444	1,528,811,616	4,155,906
16	STLT	86	86	0	6,225,920	0	72,394	0	0	0	0	0	0	0	6,225,920	0
17	TOTAL PA	162,165	161,634	531	4,655,643,831	8,303,227			13,353,791	35,182	(128,230,653)	(141,060)	(114,876,862)	(105,878)	4,540,766,969	8,197,349

*Includes billed kW and kVA

Pennsylvania Power Company
 Sales and Distribution Revenue Normalization
 Historic Test Year Twelve Months Ending March 2014

Revenues and Adjustments															
Line No.	Rate Group (1)	Billed Usage (KWH) (2)	Billed Revenues** (\$) (3)	Added Customers (4)	Added Customer KWH Usage (5)	Added Customer Demands* (6)	Specific Energy Adjustment (7)	Specific Demand* Adjustment (8)	Incremental Rate** (¢/KWH) (9)	Incremental Rate** (\$/Customer) (10)	Incremental Rate** (\$/Demand*) (11)	Added Customer Use Revenue** (4)*(10)+5*(9)/100+(6)*(11) (12)	Specific Revenue** Adjustment (7)*(9)/100+(8)*(11) (13)	Total Revenue** Adjustment (12)+(13) (14)	Normalized Revenues** (3)+(14) (15)
1	RS	1,371,707,665	\$ 44,099,589	805	9,049,810	0	(64,320,411)	0	2.213¢	\$ 8.914	N/A	\$ 286,382	\$ (1,423,411)	\$ (1,137,029)	\$ 42,962,560
2	RH	370,154,226	\$ 7,272,242	(221)	(6,072,196)	0	(16,960,188)	0	1.530¢	\$ 9.548	N/A	\$ (118,226)	\$ (259,491)	\$ (377,717)	\$ 6,894,525
3	WH	14,059,891	\$ 470,390	(153)	(372,249)	0	(637,617)	0	2.213¢	\$ 2.290	N/A	\$ (12,442)	\$ (14,110)	\$ (26,552)	\$ 443,838
4	GSR	1,737,711	\$ 46,165	0	0	0	(80,949)	0	2.213¢	\$ 8.890	N/A	\$ -	\$ (1,791)	\$ (1,791)	\$ 44,374
5	TOT RES	1,757,659,493	\$ 51,888,386	431	2,605,365	0	(81,999,165)	0				\$ 155,714	\$ (1,698,803)	\$ (1,543,089)	\$ 50,345,297
6	GS	443,031,818	\$ 9,102,771	100	2,544,600	7,600	(15,294,354)	(45,416)	0.047¢	\$ 14.239	\$ 4.357	\$ 51,396	\$ (205,066)	\$ (153,670)	\$ 8,949,101
7	GM	881,907,977	\$ 7,965,874	9	5,810,517	18,729	(30,470,825)	(98,235)	0.010¢	\$ 0.199	\$ 2.770	\$ 52,482	\$ (275,158)	\$ (222,676)	\$ 7,743,198
8	OH	37,148,676	\$ 536,845	(10)	(1,017,770)	0	(1,240,189)	0	1.340¢	\$ 7.870	N/A	\$ (14,583)	\$ (16,619)	\$ (31,202)	\$ 505,643
9	OL	2,934,175	\$ 275,599	0	0	0	(100,715)	0	0.000¢	\$ 27.668	N/A	\$ -	\$ -	\$ -	\$ 275,599
10	PNP	2,288,378	\$ 61,827	0	0	0	(78,548)	0	2.263¢	\$ 8.890	N/A	\$ -	\$ (1,778)	\$ (1,778)	\$ 60,049
11	TOT COM	1,367,311,024	\$ 17,942,916	99	7,337,347	26,329	(47,184,631)	(143,651)				\$ 89,295	\$ (498,621)	\$ (409,326)	\$ 17,533,590
12	GP	371,807,571	\$ 1,612,499	1	3,411,079	8,853	234,077	607	0.000¢	\$ -	\$ 1.670	\$ 14,785	\$ 1,014	\$ 15,799	\$ 1,628,298
13	GT	1,152,639,823	\$ 1,105,572	0	0	0	719,066	1,984	0.000¢	\$ -	\$ 0.348	\$ -	\$ 690	\$ 690	\$ 1,106,262
14	QF	0	\$ (3,582)	0	0	0	0	0	0.000¢	\$ 30.000	\$ -	\$ -	\$ -	\$ -	\$ (3,582)
15	TOT IND	1,524,447,394	\$ 2,714,489	1	3,411,079	8,853	953,143	2,591				\$ 14,785	\$ 1,704	\$ 16,489	\$ 2,730,978
16	STLT	6,225,920	\$ 1,120,818	0	0	0	0	0	0.000¢	\$ 1,085.013	N/A	\$ -	\$ -	\$ -	\$ 1,120,818
17	TOTAL PA	4,655,643,831	\$ 73,666,609	531	13,353,791	35,182	(128,230,653)	(141,060)				\$ 259,794	\$ (2,195,720)	\$ (1,935,926)	\$ 71,730,683

*Includes billed kW and kVA

**Excludes STAS revenue; includes 4.4% GRT

Pennsylvania Power Company
Summary of Distribution of Revenues
Tariff Pa. PUC No.35 as Compared to Tariff Pa. PUC No. 36

Line No.	Rate Group (1)	End of Period Customers (2)	Normalized Sales (MWH) (3)	Normalized Demand (KW) (4)	Present Rates					Total Present Rates (9)	Base Rev Percent Increase (10)	Base Revenue Increase (11)	Proposed Rates				Net Overall Increase (17)
					Normalized Base Revenues (5)	Smart Meter and STAS Charges (6)	Subtotal Base Dist. Rev. plus Rider Changes (7)	Other Rider Charges (8)	Base Revenues After Increase (12)				Smart Meter and STAS Charges (13)	Subtotal Base Dist. Rev. plus Rider Changes (14)	Specific Other Rider Charges (15)	Total Revenue After Increase (16)	
1	RS	123,995	1,331,626	0	\$ 42,751,439	\$ 6,255,823	\$ 49,007,262	\$ 85,890,463	\$ 134,897,725	35.22%	\$ 17,262,109	\$ 66,269,371	\$ -	\$ 66,269,371	\$ 86,736,321	\$ 153,005,692	13.42%
2	RH	12,445	312,141	0	\$ 6,201,648	\$ 784,301	\$ 6,985,949	\$ 20,683,079	\$ 27,669,028	84.58%	\$ 5,908,888	\$ 12,894,837	\$ -	\$ 12,894,837	\$ 20,683,079	\$ 33,577,916	21.36%
3	WH	5,071	12,684	0	\$ 420,046	\$ 347,862	\$ 767,908	\$ 850,334	\$ 1,618,242	-100.00%	\$ (767,908)	\$ -	\$ -	\$ -	\$ -	\$ -	-100.00%
4	GSR	71	1,725	0	\$ 45,766	\$ 3,729	\$ 49,495	\$ 117,016	\$ 166,511	44.63%	\$ 22,089	\$ 71,584	\$ -	\$ 71,584	\$ 117,016	\$ 188,600	13.27%
	TOT RES	141,582	1,658,176	0	\$ 49,418,899	\$ 7,391,715	\$ 56,810,614	\$ 107,540,892	\$ 164,351,506	39.47%	\$ 22,425,178	\$ 79,235,792	\$ -	\$ 79,235,792	\$ 107,536,416	\$ 186,772,208	13.64%
5																	
6	GS	17,987	428,450	1,248,997	\$ 8,724,111	\$ 649,555	\$ 9,373,666	\$ 26,308,607	\$ 35,682,273	-7.18%	\$ (673,019)	\$ 8,700,647	\$ -	\$ 8,700,647	\$ 26,313,083	\$ 35,013,730	-1.87%
7	GM	1,367	862,739	2,765,982	\$ 7,752,935	\$ 384,118	\$ 8,137,053	\$ 52,975,714	\$ 61,112,767	71.29%	\$ 5,800,603	\$ 13,937,656	\$ -	\$ 13,937,656	\$ 52,975,714	\$ 66,913,370	9.49%
8	OH	321	27,418	0	\$ 397,743	\$ 22,562	\$ 420,305	\$ 1,699,065	\$ 2,119,370	-53.15%	\$ (223,379)	\$ 196,926	\$ -	\$ 196,926	\$ 1,699,065	\$ 1,895,991	-10.54%
9	OL	832	2,913	0	\$ 273,859	\$ -	\$ 273,859	\$ 178,753	\$ 452,612	30.01%	\$ 82,182	\$ 356,041	\$ -	\$ 356,041	\$ 178,753	\$ 534,794	18.16%
10	PNP	95	2,378	0	\$ 63,950	\$ 5,067	\$ 69,017	\$ 158,038	\$ 227,055	12.18%	\$ 8,405	\$ 77,422	\$ -	\$ 77,422	\$ 158,038	\$ 235,460	3.70%
	TOT COM	20,602	1,323,898	4,014,979	\$ 17,212,598	\$ 1,061,302	\$ 18,273,900	\$ 81,320,177	\$ 99,594,077	27.33%	\$ 4,994,792	\$ 23,268,692	\$ -	\$ 23,268,692	\$ 81,324,653	\$ 104,593,345	5.02%
11																	
12	GP	106	370,492	957,733	\$ 1,599,415	\$ 5,536	\$ 1,604,951	\$ 13,738,909	\$ 15,343,860	103.35%	\$ 1,658,790	\$ 3,263,741	\$ -	\$ 3,263,741	\$ 13,738,909	\$ 17,002,650	10.81%
13	GT	40	1,383,006	3,671,012	\$ 1,287,141	\$ 2,084	\$ 1,289,225	\$ 44,820,713	\$ 46,109,938	25.47%	\$ 328,355	\$ 1,617,580	\$ -	\$ 1,617,580	\$ 44,820,713	\$ 46,438,293	0.71%
14	QF	2	0	0	\$ (3,588)	\$ -	\$ (3,588)	\$ -	\$ (3,588)	0.00%	\$ -	\$ (3,588)	\$ -	\$ (3,588)	\$ -	\$ (3,588)	0.00%
15	TOT IND	148	1,753,498	4,628,745	\$ 2,882,968	\$ 7,620	\$ 2,890,588	\$ 58,559,622	\$ 61,450,210	68.75%	\$ 1,987,145	\$ 4,877,733	\$ -	\$ 4,877,733	\$ 58,559,622	\$ 63,437,355	3.23%
16	STLT	86	6,189	0	\$ 1,073,448	\$ -	\$ 1,073,448	\$ 377,755	\$ 1,451,203	13.91%	\$ 149,336	\$ 1,222,784	\$ -	\$ 1,222,784	\$ 377,755	\$ 1,600,539	10.29%
17	TOTAL PA	162,418	4,741,761	8,643,724	\$ 70,587,913	\$ 8,460,637	\$ 79,048,550	\$ 247,798,446	\$ 326,846,996	37.39%	\$ 29,556,451	\$ 108,605,001	\$ -	\$ 108,605,001	\$ 247,798,446	\$ 356,403,447	9.04%
18	REDUCTION IN DSS & HPS DEFAULT SERVICE RIDER TO REFLECT LOWER UNCOLLECTIBLE CHARGE										0	0	0	0	\$ (1,074,000)	\$ (1,074,000)	
19	TOTAL								\$ 326,846,996		\$ 29,556,451	\$ 108,605,001	\$ -	\$ 108,605,001	\$ 246,724,446	\$ 355,329,447	8.71%

*Includes billed kW, minimum kW, and standby kW

**PENNSYLVANIA POWER COMPANY
DEVELOPMENT OF PROPOSED KVAR CHARGES**

	<u>Penn Power</u>
1 <u>Rate of Return</u>	
2 Debt	3.18%
3 Equity	<u>5.47%</u>
4 Subtotal	8.65%
5 Federal and State Income Tax	* 4.16%
6 Depreciation	<u>1.95%</u>
7 Subtotal	14.76%
8 Maintenance	<u>0.0027%</u>
9 Total Carrying Charge	14.7645%
10 Installed Cost of 1200 KVAR Capacitor	\$16.14
11 Capacitor Investment per year	\$ 2.38
12 Capacitor Investment per month	\$ 0.20 per RkVA
13 * Tax Rate Calculation:	
14 Local, State, Federal	
15 Composite Tax	41.435%
16 Tax Rate	3.87%

TOU Aggregation Agreement

(Met-Ed and Penelec Only)

Pennsylvania Power Company
Rate RS - Residential Service & WH - Residential Controlled Water Heating Service
Revenue Effects of Proposed Rates - FTY 4/30/16

Line No.	Tariff No. 35, Supplement No. 101			Tariff No. 36			
	Current Rate (1)	Billing Units (2)	Revenues (3)	Proposed Rate (4)	Billing Units (5)	Proposed Revenue (6)=(4)x(5)	
	<u>DISTRIBUTION CHARGES</u>						
	<u>CUSTOMER CHARGE</u>						
1	RS Customer Charge	\$8.89	1,434,246	\$12,750,447			
2	OCS - Controlled Water Heating	\$9.91	26,682	\$264,419			
3	OCS - Controlled Add-On Electric Heat Pump or Centralized Resistance Heating	\$9.91	27,012	\$267,689			
4	WH	\$2.29	60,401	\$138,313			
5	Proposed RS		1,548,341	\$13,420,868	\$ 12.71	1,487,940	\$18,911,717
6	<u>DEMAND CHARGES</u>						
				\$2.00	-	\$0	
	<u>ENERGY CHARGES</u>						
7	RS kWh	\$0.02213	1,331,626,054	\$29,468,884			
8	WH kWh	\$0.02213	12,616,191	\$279,186			
9	Proposed RS		1,344,242,245	\$29,748,070	\$0.03523	1,344,242,245	\$47,357,654
10	TOTAL BASE NORMALIZED DISTRIBUTION REVENUES - RS			\$42,751,439			
11	TOTAL BASE NORMALIZED DISTRIBUTION REVENUES - WH			\$417,499			
12	TOTAL BASE NORMALIZED DISTRIBUTION REVENUES			\$43,168,938		\$66,269,371	
11	RS - Smart Meter Technologies Charge (Per Bill)	\$4.20	1,487,940	\$6,255,823	\$0	1,487,940	\$0
12	WH - RES Smart Meter Technologies Charge (Per Bill)	\$5.72	60,401	\$345,284			
13	RS - STAS - Distribution and rider changes	0.00%		\$0	0%		\$0
14	WH - RES STAS - Distribution and rider changes	0.00%		\$0			
15	TOTAL DISTRIBUTION INCLUDING RIDER CHARGES			\$49,770,045		\$66,269,371	
	<u>RIDER CHARGES</u>						
16	RS - Consumer Education	\$0.00009	1,331,626,054	\$0	\$0.00009	1,344,242,245	\$0
17	WH - Res Consumer Education	\$0.00009	12,616,191	\$0			
18	RS - Energy Efficiency and Conservation Charge	\$0.00016	1,331,626,054	\$0	\$0.00016	1,344,242,245	\$0
19	WH - Res Energy Efficiency and Conservation Charge	\$0.00016	12,616,191	\$0			
20	RS - Default Service Support Charge	\$0.00139	1,331,626,054	\$1,798,998	\$0.00139	1,344,242,245	\$1,822,221
21	WH - Res Default Service Support Charge	\$0.00139	12,616,191	\$23,223			
22	RS - Universal Service Charge	\$0.00276	1,331,626,054	\$3,561,862	\$0.00276	1,344,242,245	\$3,607,841
23	WH - Res Universal Service Charge	\$0.00276	12,616,191	\$45,979			
24	RS - Solar Photovoltaic Requirements Charge	\$0.00018	1,331,626,054	\$232,295	\$0.00018	1,344,242,245	\$235,294
25	WH - Res Solar Photovoltaic Requirements Charge	\$0.00018	12,616,191	\$2,999			
26	RS - Phase II Energy Efficiency and Conservation Charge	\$0.00291	1,331,626,054	\$3,755,442	\$0.00291	1,344,242,245	\$3,803,920
27	WH - RES Phase II Energy Efficiency and Conservation Charge	\$0.00291	12,616,191	\$48,478			
28	RS - PTC*	\$0.05748	1,331,626,054	\$76,541,866	\$0.05748	1,344,242,245	\$77,267,045
29	WH - RES PTC*	\$0.05748	12,616,191	\$725,179			
30	RS - STAS - Rider charges	0.74%		\$0	0%		\$0
31	WH - RES STAS - Rider charges	0.74%		\$0			
32	Total RS Energy and Revenue		1,331,626,054	\$134,897,725		1,344,242,245	\$153,005,692
33	Total WH - Res Energy and Revenue		12,616,191	\$1,608,641			
34	Total Energy and Revenue			\$136,506,366			\$153,005,692
35	RS Avg Rate per kWh			\$0.10130			\$0.11382
36	WH - Res Avg Rate per kWh			\$0.12751			
37	Proposed Increase RS					\$	18,107,967
	Proposed Increase WH					\$	(1,608,641)
38	Percent Increase						13.42%

**Pennsylvania Power Company
 Rate RH - Residential Service
 Revenue Effects of Proposed Rates - FTY 4/30/16**

Line No.	Tariff No. 35, Supplement No. 101			Tariff No. 36			
	<u>Current Rate</u> (1)	<u>Billing Units</u> (2)	<u>Revenues</u> (3)	<u>Proposed Rate</u> (4)	<u>Billing Units</u> (5)	<u>Proposed Revenue</u> (6)=(4)x(5)	
<u>DISTRIBUTION CHARGES</u>							
<u>CUSTOMER CHARGES</u>							
1	RH Customer Charge	\$8.86	49,593	\$439,394			
2	RH Water Heating Option Customer Charge	\$9.89	99,747	\$986,498			
3	RS Proposal (to RS)		149,340	\$1,425,892	\$12.71	149,340	\$1,898,111
4	<u>DEMAND CHARGES</u>						
<u>ENERGY CHARGES</u>							
5	RH kWh	\$0	86,129,244	\$1,317,777	\$0	86,129,244	\$0
6	RH Water Heating Option kWh	\$0	226,011,720	\$3,457,979	\$0	226,011,720	\$0
7	All kWh	\$0.01530	312,140,964	\$4,775,756			
8	RS Proposal (to RS)			\$0.03523	312,140,964	\$10,996,726	
9	<u>TOTAL BASE NORMALIZED DISTRIBUTION REVENUES</u>			\$6,201,648		\$12,894,837	
10	Smart Meter Technologies Charge (Per Bill)	\$5.25	149,340	\$784,301	\$0	149,340	\$0
11	STAS - Distribution and rider changes	0.00%		\$0	0%		\$0
12	<u>TOTAL DISTRIBUTION INCLUDING RIDER CHANGES</u>			\$6,985,949		\$12,894,837	
<u>RIDER CHARGES</u>							
13	Consumer Education	\$0.00009	312,140,964	\$0	\$0.00009	312,140,964	\$0
14	Energy Efficiency and Conservation Charge	\$0.00016	312,140,964	\$0	\$0.00016	312,140,964	\$0
15	Default Service Support Charge	\$0.00139	312,140,964	\$527,506	\$0.00139	312,140,964	\$527,506
16	Universal Service Charge	\$0.00276	312,140,964	\$1,044,417	\$0.00276	312,140,964	\$1,044,417
17	Solar Photovoltaic Requirements Charge	\$0.00018	312,140,964	\$68,114	\$0.00018	312,140,964	\$68,114
18	Phase II Energy Efficiency and Conservation Charge	\$0.00291	312,140,964	\$1,101,179	\$0.00291	312,140,964	\$1,101,179
19	PTC*	\$0.05748	312,140,964	\$17,941,863	\$0.05748	312,140,964	\$17,941,863
20	STAS - Rider charges	0.00%		\$0	0%		\$0
21	Total Energy and Revenue		312,140,964	\$27,669,028		312,140,964	\$33,577,916
22	Avg rate per kWh			\$0.08864			\$0.10757
23	Proposed Increase						\$5,908,888
24	Percent Increase						21.36%

Pennsylvania Power Company
Rate GS - Volunteer Fire Companies, Non-Profit Senior Citizen Centers, Non-Profit Rescue Squads and Non-Profit Ambulance Service
Revenue Effects of Proposed Rates - FTY 4/30/16

Line No.		Tariff No. 35, Supplement No. 101			Tariff No. 36		
		Current Rate (1)	Billing Units (2)	Revenues (3)	Proposed Rate (4)	Billing Units (5)	Proposed Revenue (6)=(4)x(5)
	<u>DISTRIBUTION CHARGES</u>						
	<u>CUSTOMER CHARGES</u>						
1	Customer Charge	\$8.89	852	\$7,579	\$ 12.71	852	\$10,829
2	<u>DEMAND CHARGES</u>						
	<u>ENERGY CHARGES</u>						
3	All kWh	\$0.02213	1,724,538	<u>\$38,187</u>	\$0.03523	1,724,538	\$60,755
4	<u>TOTAL BASE NORMALIZED DISTRIBUTION REVENUES</u>			\$45,766			\$71,584
5	Smart Meter Technologies Charge (Per Bill)	\$4.38	852	\$3,729	\$0	852	\$0
6	STAS - Distribution and rider changes	0.00%		<u>\$0</u>	0%		<u>\$0</u>
7	<u>TOTAL DISTRIBUTION INCLUDING RIDER CHANGES</u>			\$49,495			\$71,584
	<u>RIDER CHARGES</u>						
8	Consumer Education	\$0.00009	1,724,538	\$0	\$0.00009	1,724,538	\$0
9	Energy Efficiency and Conservation Charge	(\$0.00029)	1,724,538	\$0	(\$0.00029)	1,724,538	\$0
10	Default Service Support Charge	\$0.00139	1,724,538	\$2,345	\$0.00139	1,724,538	\$2,345
11	Universal Service Charge	\$0.00276	1,724,538	\$4,643	\$0.00276	1,724,538	\$4,643
12	Solar Photovoltaic Requirements Charge	\$0.00018	1,724,538	\$303	\$0.00018	1,724,538	\$303
13	Phase II Energy Efficiency and Conservation Charge	\$0.00630	1,724,538	\$10,599	\$0.00630	1,724,538	\$10,599
14	PTC*	\$0.05748	1,724,538	\$99,126	\$0.05748	1,724,538	\$99,126
15	STAS - Rider charges	0.00%		\$0	0%		\$0
16	Total Energy and Revenue		1,724,538	\$166,511		1,724,538	\$188,600
17	Avg rate per kWh			\$0.09655			\$0.10936
18	Proposed Increase						\$22,089
19	Percent Increase						13.27%

* Total wires kWh used for illustrative purposes

**Pennsylvania Power Company
 Rate GS-Small and GS-Medium - General Service
 Revenue Effects of Proposed Rates - FTY 4/30/16**

Line No.	Tariff No. 35, Supplement No. 101			Tariff No. 36			
	Current Rate (1)	Billing Units (2)	Revenues (3)	Proposed Rate (4)	Billing Units (5)	Proposed Revenue (6)=(4)x(5)	
DISTRIBUTION CHARGES							
CUSTOMER CHARGES							
1	GS-Small Customer Charge <=1,500 kWh/month (to GS-Small)	\$14.44	142,706	\$2,060,674	\$19.24	142,706	\$2,745,663
2	GS-Small Optional Controlled Service Customer Charge <=1,500 kWh/month (to GS-Small)	\$7.87	4,571	\$35,974	\$0	0	\$0
3	GS-Small Customer Charge >1,500 kWh/month (to GS-Medium)	\$14.44	66,445	\$959,466	\$19.17	66,445	\$1,273,751
4	GS-Small Optional Controlled Service Customer Charge >1,500 kWh/month (to GS-Medium)	\$7.87	2,122	\$16,700	\$0	0	\$0
5	WH-Non Residential (to GS-Small)	\$2.29	451	\$1,035	\$0	0	\$0
			216,295	\$3,073,849		209,151	\$4,019,414
6	GS-Medium Customer Charge <400 kW (to GS-Medium)	\$0.00	16,671	\$0	\$19.17	17,103	\$327,865
7	GS-Medium Optional Controlled Service Customer Charge <400 kW (to GS-Medium)	\$7.87	432	\$3,400	\$0.00	0	\$0
8	GS-Medium Customer Charge >=400 kW (to GS-Large)	\$0.00	1,386	\$0	\$24.09	1,423	\$34,280
9	GS-Medium Optional Controlled Service Customer Charge >=400 kW (to GS-Large)	\$7.87	37	\$291	\$0.00	0	\$0
			18,526	\$3,691		18,526	\$362,145
10	PNP Customer Charge	\$8.89	1,140	\$10,136	\$13.33	1,140	\$15,196
DEMAND CHARGES							
11	GS-Small kW Over 3 kW <= 1,500 kWh/month (to GS-Small)	\$4.357	155,778	\$678,725	\$0.000	155,977	\$0
12	GS-Small kW Over 3 kW > 1,500 kWh/month (to GS-Medium)	\$4.357	1,093,219	\$4,763,154	\$ 3.15	1,093,219	\$3,443,640
13	WH-Non Residential Over 3 kW	\$0	199	\$0	\$0.000	0	\$0
			1,249,196	\$5,441,879		1,249,196	\$3,443,640
14	GS-Small All kW <=1,500 kWh/month (to GS-Small)	\$0	385,231	\$0	\$0	409,135	\$0
15	GS-Small Optional Controlled Service kW <=1,500 kWh/month (to GS-Small)	\$0	23,621	\$0	\$0	0	\$0
16	GS-Small All kW > 1,500 kWh/month (to GS-Medium)	\$0	1,292,554	\$0	\$ 3.15	1,371,807	\$4,321,192
17	GS-Small Optional Controlled Service kW > 1,500 kWh/month (to GS-Medium)	\$0	79,253	\$0	\$0	0	\$0
18	WH-Non Residential All kW (to GS-Small)	\$0	283	\$0	\$0	0	\$0
			1,780,942	\$0		1,780,942	\$4,321,192
19	GS-Medium kVA <400 kW (to GS-Medium)	\$2.770	1,845,401	\$5,111,480	\$0.000	1,845,401	\$0
20	GS-Medium kVA >=400 kW (to GS-Large)	\$2.770	920,581	\$2,549,869	\$0.000	920,581	\$0
			2,765,982	\$7,661,349		2,765,982	\$0
21	GS-Medium kW <400 kW (to GS-Medium)	\$0	1,770,687	\$0	\$ 3.15	1,791,991	\$5,644,772
22	GS-Medium Optional Controlled Service kW <400 kW (to GS-Medium)	\$0	21,304	\$0	\$0	0	\$0
23	GS-Medium kW >=400 kW (to GS-Large)	\$0	883,310	\$0	\$ 3.89	893,938	\$3,477,419
24	GS-Medium Optional Controlled Service kW >=400 kW (to GS-Large)	\$0	10,628	\$0	\$0	0	\$0
			2,685,929	\$0		2,685,929	\$9,122,191
25	GS-Medium rkVA <400 kW (to GS-Medium)	\$0	435,523	\$0	\$0.20	440,763	\$88,153
26	GS-Medium Optional Controlled Service rkVA <400 kW (to GS-Medium)	\$0	5,240	\$0	\$0.00	0	\$0
27	GS-Medium rkVA >=400 kW (to GS-Large)	\$0	217,261	\$0	\$0.20	219,875	\$43,975
28	GS-Medium Optional Controlled Service rkVA >=400 kW (to GS-Large)	\$0	2,614	\$0	\$0	0	\$0
			660,638	\$0		660,638	\$132,128
29	PNP kW	\$0	27,813	\$0	\$0	27,813	\$0
ENERGY CHARGES							
30	GS-Small OCS kWh <= 1,500 kWh/month (to GS-Small)	\$0.01340	3,499,436	\$46,892	\$0	0	\$0
31	GS-Small kWh <= 1,500 kWh/month (to GS-Small)	\$0	92,369,821	\$0	\$0.01290	95,937,455	\$1,237,593
32	GS-Small OCS kWh > 1,500 kWh/month (to GS-Medium)	\$0.01340	12,128,816	\$162,526	\$0	0	\$0
33	GS-Small kWh > 1,500 kWh/month (to GS-Medium)	\$0	320,452,310	\$0	\$0	332,581,126	\$0
34	WH-Non Residential (to GS-Small)	\$0.02213	68,198	\$1,512	\$0	0	\$0
			428,518,581	\$210,930		428,518,581	\$1,237,593
35	GS-Medium OCS kWh <400 kW (to GS-Medium)	\$0.00857	6,611,966	\$56,661	\$0	0	\$0
36	GS-Medium kWh < 400 kW (to GS-Medium)	\$0	549,551,222	\$0	\$0	556,163,188	\$0
37	GS-Medium OCS kWh >=400 kW (to GS-Large)	\$0.00857	3,644,739	\$31,234	\$0	0	\$0
38	GS-Medium kWh >= 400 kW (to GS-Large)	\$0	302,931,225	\$0	\$0	306,575,964	\$0
			862,739,152	\$87,895		862,739,152	\$0
39	PNP kWh	\$0.02263	2,377,755	\$53,814	\$0.02617	2,377,755	\$62,226
40	TOTAL BASE NORMALIZED DISTRIBUTION REVENUES - GS SM AND MED			\$16,477,046			\$22,638,303
41	TOTAL BASE NORMALIZED DISTRIBUTION REVENUES - WH			\$2,547			\$0
42	TOTAL BASE NORMALIZED DISTRIBUTION REVENUES - PNP			\$63,950			\$77,422
43	TOTAL BASE NORMALIZED DISTRIBUTION REVENUES			\$16,543,543			\$22,715,725

**Pennsylvania Power Company
 Rate GS-Small and GS-Medium - General Service
 Revenue Effects of Proposed Rates - FTY 4/30/16**

Line No.	Tariff No. 35, Supplement No. 101			Tariff No. 36		
	Current Rate (1)	Billing Units (2)	Revenues (3)	Proposed Rate (4)	Billing Units (5)	Proposed Revenue (6)=(4)x(5)
44			\$2,823,300			\$3,983,256
45			\$11,074,899			\$15,099,373
46			\$2,581,394			\$3,555,674
47			\$63,950			\$77,422
48			\$16,543,543			\$22,715,725
49		147,277	\$649,555		147,277	\$0
50		85,670	\$377,842		85,670	\$0
51		1,423	\$6,276			\$0
52		234,370	\$1,033,673	\$0	227,677	\$0
53		451	\$2,578	\$0	-	\$0
54		1,140	\$5,067	\$0	1,140	\$0
		235,961	\$1,041,318		228,817	\$0
55		\$1,038,740.00	\$0			\$0
56			\$0			\$0
57			\$0			\$0
58			\$0	0%		\$0
59			\$0	0%		\$0
60			\$0	0%		\$0
61			\$17,584,861			\$22,715,725
			RIDER CHARGES			
62		1,291,189,535	\$0	\$0.00002	1,291,257,733	\$0
63		68,198	\$0	\$0.00002		\$0
64		2,377,755	\$0	\$0.00002	2,377,755	\$0
65		1,291,189,535	\$0	(\$0.00001)	1,291,257,733	\$0
66		68,198	\$0	(\$0.00001)		\$0
		746,456	\$0		746,456	\$0
67		2,377,755	\$0	(\$0.00029)	2,377,755	\$0
68		95,869,257	\$26,308	\$0.00028	95,937,455	\$26,434
69		68,198	\$126	\$0.00033		\$0
70		888,744,314	\$272,004	\$0.00033	888,744,314	\$272,004
71		760,591	\$96,862		760,591	\$96,862
72		2,377,755	\$767	\$0.00033	2,377,755	\$767
73		0	\$0	\$0	0	\$0
74		1,291,189,535	\$230,428	\$0.00018	1,291,257,733	\$230,444
75		68,198	\$16	\$0.00018		\$0
76		2,377,755	\$425	\$0.00018	2,377,755	\$425
77		1,291,189,535	\$1,561,792	\$0.00122	1,291,257,733	\$1,562,054
78		68,198	\$262	\$0.00122		\$0
79		746,456	\$0		746,456	\$0
80		2,377,755	\$14,870	\$0.00630	2,377,755	\$14,870
81		1,291,189,535	\$77,096,927	\$0.05971	1,291,257,733	\$77,100,999
82		68,198	\$4,072	\$0.05971		\$0
83	\$61,106,491	2,377,755	\$141,976	\$0.05971	2,377,755	\$141,976
84			\$0	0%		\$0
85			\$0	0%		\$0
86			\$0	0%		\$0

Pennsylvania Power Company
Rate GS-Small and GS-Medium - General Service
Revenue Effects of Proposed Rates - FTY 4/30/16

Line No.	Tariff No. 35, Supplement No. 101			Tariff No. 36		
	Current Rate (1)	Billing Units (2)	Revenues (3)	Proposed Rate (4)	Billing Units (5)	Proposed Revenue (6)=(4)x(5)
87			\$35,682,273			\$39,330,446
88			<u>\$61,112,767</u>			<u>\$62,596,654</u>
89			\$96,795,040	1,291,257,733		\$101,927,100
90		1,291,189,535	\$9,601	-		\$0
91		68,198	\$227,055	2,377,755		\$235,460
92		2,377,755	\$0.07497			\$0.07894
93			\$0.14078			\$0.09903
94			\$0.09549			\$8,405
95						3,648,173
96						1,483,887
97						\$5,132,060
98						
99						10.22%
100						2.43%
101						5.31%
102						3.70%
			\$9,359,620			\$9,870,021
			\$66,025,279			\$69,671,911
			\$21,412,689			\$22,380,693
			\$96,797,587			\$101,922,624
1						510,401
2						3,646,632
3						968,004
						5,125,037
1						5.45%
2						5.52%
3						4.52%

Pennsylvania Power Company
Rate Schedule OH - Commercial and Industrial Optional Heating
Revenue Effects of Proposed Rates - FTY 4/30/16

Line No.	Tariff No. 35, Supplement No. 101			Tariff No. 36		
	Current Rate	Billing Units	Revenues	Proposed Rate	Billing Units	Proposed Revenue
	(1)	(2)	(3)	(4)	(5)	(6)=(4)x(5)
<u>DISTRIBUTION CHARGES</u>						
<u>CUSTOMER CHARGES</u>						
1	OH-With Cooling	978	\$7,697	\$ 19.17	978	\$18,748
2	OH-Without Cooling	2,874	\$22,620	\$ 19.17	2,874	\$55,095
		3,852	\$30,317			
3	GS-Medium			\$ 19.17	3,852	\$73,843
<u>DEMAND CHARGES</u>						
4	OH-With Cooling kW	25,667	\$0			
5	OH-With Cooling rkVA	16,093	\$0			
6	OH-Without Cooling kW	12,074	\$0			
7	OH-Without Cooling rkVA	4,902	\$0			
8	GS-Medium Total kW Over 3			\$0		\$0
9	GS-Medium Total kW			\$ 3.15	37,741	\$118,884
10	GS-Medium Total rkVA			\$ 0.20	20,995	\$4,199
11	GS-Medium Totak kVA			\$0.000	43,188	\$0
<u>ENERGY CHARGES</u>						
12	OH-With Cooling kWh	21,016,594	\$281,640	\$0	21,016,594	\$0
13	OH-Without Cooling kWh	6,401,512	\$85,786	\$0	6,401,512	\$0
14	<u>TOTAL BASE NORMALIZED DISTRIBUTION REVENUES</u>					\$196,926
15	Smart Meter Technologies Charge (Per Bill)	3,852	\$22,562	\$0	3,852	\$0
16	STAS - Distribution and rider changes		\$0	0%		\$0
17	<u>TOTAL DISTRIBUTION INCLUDING RIDER CHANGES</u>					\$196,926
<u>RIDER CHARGES</u>						
18	Consumer Education	27,418,106	\$0	\$0.00002	27,418,106	\$0
19	Energy Efficiency and Conservation Charge	27,418,106	\$0	(\$0.00001)	27,418,106	\$0
20	Default Service Support Charge	27,418,106	\$11,668	\$0.00033	27,418,106	\$11,668
21	Universal Service Charge	0	\$0	\$0	0	\$0
22	Solar Photovoltaic Requirements Charge	27,418,106	\$6,462	\$0.00018	27,418,106	\$6,462
23	Phase II Energy Efficiency and Conservation Charge	27,418,106	\$43,800	\$0.00122	27,418,106	\$43,800
24	PTC*	27,418,106	\$1,637,135	\$0.05971	27,418,106	\$1,637,135
25	STAS - Rider charges		\$0	0%		\$0
26	Total Energy and Revenue	27,418,106	\$2,119,370		27,418,106	\$1,895,991
27	Avg rate per kWh		\$0.07730			\$0.06915
28	Proposed Increase					(\$223,379)
29	Percent Increase					-12%

**Pennsylvania Power Company
 Rate GP - General Service Primary
 Revenue Effects of Proposed Rates - FTY 4/30/16**

Line No.	Tariff No. 35, Supplement No. 101			Tariff No. 36			
	<u>Current Rate</u> (1)	<u>Billing Units</u> (2)	<u>Revenues</u> (3)	<u>Proposed Rate</u> (4)	<u>Billing Units</u> (5)	<u>Proposed Revenue</u> (6)=(4)x(5)	
	<u>DISTRIBUTION CHARGES</u>						
	<u>CUSTOMER CHARGES</u>						
1	Customer Charge	\$0	1,272	\$0	\$ 123.71	1,272	\$157,359
	<u>DEMAND CHARGES</u>						
2	kW	\$0	814,533	\$0	\$ 3.69	814,533	\$3,005,627
3	All kVA	\$1.670	957,733	\$1,599,415	\$0.000	957,733	\$0
4	rkVA	\$0	503,774	\$0	\$ 0.20	503,774	\$100,755
	<u>ENERGY CHARGES</u>						
5	All kWh	\$0	370,492,350	\$0	\$0	370,492,350	\$0
6	<u>TOTAL BASE NORMALIZED DISTRIBUTION REVENUES</u>			\$1,599,415			\$3,263,741
7	Smart Meter Technologies Charge (Per Bill)	\$4.35	1,272	\$5,536	\$0	1,272	\$0
8	STAS - Distribution and rider changes	0.00%		\$0	0%		\$0
9	<u>TOTAL DISTRIBUTION INCLUDING RIDER CHANGES</u>			\$1,604,951			\$3,263,741
	<u>RIDER CHARGES</u>						
10	Energy Efficiency and Conservation Charge (Per kW PLC)	(\$0.01)	680,151	\$0	(\$0.01)	680,151	\$0
11	Default Service Support Charge (Per kW NSPL)	\$0.096	693,031	\$66,244	\$0.10	693,031	\$66,244
12	Phase II Energy Efficiency and Conservation Charge (Per kW PLC)	\$0.28	680,151	\$190,442	\$0.28	680,151	\$190,442
13	Consumer Education	\$0	0	\$0	\$0	0	\$0
14	Universal Service Charge	\$0	0	\$0	\$0	0	\$0
15	Solar Photovoltaic Requirements Charge	\$0.00018	370,492,350	\$66,695	\$0.00018	370,492,350	\$66,695
16	Hourly Priced Generation*	\$0.03621	370,492,350	\$13,415,528	\$0.03621	370,492,350	\$13,415,528
17	STAS - Rider charges	0.29%		\$0	0%		\$0
18	Total Energy and Revenue		370,492,350	\$15,343,860		370,492,350	\$17,002,650
19	Avg rate per kWh			\$0.04141			\$0.04589
20	Proposed Increase						\$1,658,790
21	Percent Increase						10.81%

**Pennsylvania Power Company
 Rate GT - General Service Transmission
 Revenue Effects of Proposed Rates - FTY 4/30/16**

Line No.	Tariff No. 35, Supplement No. 101			Tariff No. 36			
	Current Rate (1)	Billing Units (2)	Revenues (3)	Proposed Rate (4)	Billing Units (5)	Proposed Revenue (6)=(4)x(5)	
	<u>DISTRIBUTION CHARGES</u>						
	<u>CUSTOMER CHARGES</u>						
1	Customer Charge	\$0	480	\$0	254.56	480	\$122,189
	<u>DEMAND CHARGES</u>						
2	All kVA	\$0.364	3,671,012	\$1,336,247	\$0.000	3,671,012	\$0
3	rkVA	\$0	1,696,921	\$0	\$ 0.20	1,696,921	\$339,384
4	kW	\$0	3,255,271	\$0	\$ 0.43	3,255,271	\$1,399,767
5	Voltage Discount - 69 kV	-3%		(\$6,404)	0%		\$0
6	Voltage Discount - 138 kV	-5%		(\$42,702)	0%		\$0
6	kW (Transmission 115 kV Credit)			(0.13)	1,875,075		(\$243,760)
7							
	<u>ENERGY CHARGES</u>						
8	All kWh	\$0	1,383,005,573	\$0	\$0	1,383,005,573	\$0
9	<u>TOTAL BASE NORMALIZED DISTRIBUTION REVENUES</u>			\$1,287,141			\$1,617,580
10	Smart Meter Technologies Charge (Per Bill)	\$4.13	505	\$2,084	\$0	505	\$0
	STAS - Distribution and rider changes	0.00%		\$0	\$0		\$0
11	<u>TOTAL DISTRIBUTION INCLUDING RIDER CHANGES</u>			\$1,289,225			\$1,617,580
12							
	<u>RIDER CHARGES</u>						
13	Energy Efficiency and Conservation Charge (Per kW PLC)	(\$0.01)	1,362,545	\$0	(\$0.01)	1,362,545	\$0
14	Default Service Support (kW NSPL)	\$0.096	1,398,598	\$133,686	\$0.096	1,398,598	\$133,686
15	Phase II Energy Efficiency (Per kW PLC)	\$0.28	1,362,545	\$381,513	\$0.28	1,362,545	\$381,513
16	Consumer Education	\$0	0	\$0	\$0	0	\$0
17	Universal Service Charge	\$0	0	\$0	\$0	0	\$0
18	Solar Photovoltaic Requirements Charge	\$0.00018	1,108,061,623	\$248,984	\$0.00018	1,108,061,623	\$248,984
19	Hourly Priced Generation- Energy	\$0.03976	1,108,061,623	\$44,056,530	\$0.03976	1,108,061,623	\$44,056,530
20	STAS - Rider charges	0.29%		\$0	\$0		\$0
21	Total Energy and Revenue		1,108,061,623	\$46,109,938		1,108,061,623	\$46,438,293
22	Avg rate per kWh			\$0.04161			\$0.04191
	Proposed Increase						\$328,355
	Percent Increase						0.71%

Pennsylvania Power Company
Purchase of Energy from Cogeneration and Small Power Production Facilities
Revenue Effects of Proposed Rates - FTY 4/30/16

Line No.		Tariff No. 35, Supplement No. 101			Tariff No. 36		
		<u>Current Rate</u>	<u>Billing Units</u>	<u>Revenues</u>	<u>Proposed Rate</u>	<u>Billing Units</u>	<u>Proposed Revenue</u>
		(1)	(2)	(3)	(4)	(5)	(6)=(4)x(5)
	<u>DISTRIBUTION CHARGES</u>						
	<u>CUSTOMER CHARGES</u>						
1	Cogen Energy Credit	\$0	0	(\$4,308)	\$0	-	(\$4,308)
2	Cogen Customer Charge	\$10.00	12	\$120	\$10	12	\$120
3	STAS	0.00%		\$0	0%		\$0
4	Total Distribution			(\$4,188)			(\$4,188)
5	Total Revenue			(\$4,188)			(\$4,188)

Pennsylvania Power Company
Partial Service Rider
Revenue Effects of Proposed Rates - FTY 4/30/16

	Tariff No. 35, Supplement No. 101			Tariff No. 36			
	<u>Current Rate</u>	<u>Billing Units</u>	<u>Revenues</u>	<u>Proposed Rate</u>	<u>Billing Units</u>	<u>Proposed Revenue</u>	
	(1)	(2)	(3)	(4)	(5)	(6)=(4)x(5)	
	<u>DISTRIBUTION CHARGES</u>						
	<u>CUSTOMER CHARGES</u>						
6	Customer Charge	\$50	12	\$600	\$50	12	\$600
1	QF Backup Secondary KW	0	-	\$0	\$2.92	-	\$0
2	QF Maint Secondary KW	0	0	\$0	\$2.33	-	\$0
3	QF Backup Primary KW	0	-	\$0	\$2.77	-	\$0
4	QF Maint Primary KW	0	0	\$0	\$2.21	-	\$0
5	QF Backup Transmission KW	\$0.00	-	\$0	\$0.32	-	\$0
6	QF Maint Transmission KW	\$0.16	0	\$0	\$0.26	-	\$0
7	STAS	0.00%		0	0%		
8	Total Distribution			\$600			\$600
9	Total Revenue			\$600			\$600

**Pennsylvania Power Company
 Rate PLS - Private Outdoor Lighting Service
 Revenue Effects of Proposed Rates - FTY 4/30/16**

Line No.		Tariff No. 35, Supplement No. 101			Tariff No. 36		
		<u>Current Rate</u>	<u>Billing Units</u>	<u>Revenues</u>	<u>Proposed Rate</u>	<u>Billing Units</u>	<u>Proposed Revenue</u>
		(1)	(2)	(3)	(4)	(5)	(6)=(4)x(5)
	<u>LAMPS</u>						
1	175 W Mercury Vapor	\$7.21	159	\$1,146	9.37	159	\$1,490
2	175 W Mercury Vapor - PT	\$13.12	59	\$774	17.06	59	\$1,007
3	400 W MERCURY VAPOR	\$6.19	262	\$1,622	8.05	262	\$2,109
4	70 W SODIUM VAPOR	\$9.00	108	\$972	11.70	108	\$1,264
5	100 W SODIUM VAPOR - PT	\$13.80	4,509	\$62,225	17.94	4,509	\$80,891
6	100 W SODIUM VAPOR	\$9.05	3,624	\$32,797	11.77	3,624	\$42,654
7	150 W SODIUM VAPOR	\$8.73	1,188	\$10,371	11.35	1,188	\$13,484
8	250 W SODIUM VAPOR	\$9.15	5,490	\$50,234	11.90	5,490	\$65,331
9	400 W SODIUM VAPOR	\$9.07	5,800	\$52,606	11.79	5,800	\$68,382
10	250 Metal Halide	\$11.29	584	\$6,593	14.68	584	\$8,573
11	400 Metal Halide	\$9.64	3,140	\$30,270	12.53	3,140	\$39,344
12	1,000 Metal Halide	\$4.09	1,128	\$4,614	5.32	1,128	\$6,001
	<u>POLES</u>						
13	30' or 35' Pole Charge	\$5.48	2,428	\$13,306	7.12	2,428	\$17,287
14	40' Pole Charge	\$6.38	992	<u>\$6,329</u>	8.29	992	<u>\$8,224</u>
15	<u>TOTAL BASE NORMALIZED DISTRIBUTION REVENUES</u>			\$273,859			\$356,041
16	Smart Meter Technologies Charge (Per Bill)	\$0	0	\$0	\$0	0	\$0
17	STAS - Distribution and rider changes	0.00%		<u>\$0</u>	0%		<u>\$0</u>
18	<u>TOTAL DISTRIBUTION INCLUDING RIDER CHANGES</u>			\$273,859			\$356,041
	<u>RIDER CHARGES</u>						
18	Consumer Education	\$0.00002	2,912,987	\$0	\$0.00002	2,912,987	\$0
19	Energy Efficiency and Conservation Charge	(\$0.00001)	2,912,987	\$0	(\$0.00001)	2,912,987	\$0
20	Default Service Support Charge	\$0.00033	2,912,987	\$904	\$0.00033	2,912,987	\$904
21	Universal Service Charge	\$0	0	\$0	\$0	0	\$0
22	Solar Photovoltaic Requirements Charge	\$0.00018	2,912,987	\$523	\$0.00018	2,912,987	\$523
23	Phase II Energy Efficiency and Conservation Charge	\$0.00122	2,912,987	\$3,392	\$0.00122	2,912,987	\$3,392
24	PTC*	\$0.05971	2,912,987	\$173,934	\$0.05971	2,912,987	\$173,934
25	STAS - Rider charges	0.00%		\$0	0%		\$0
26	Total Revenue			\$452,612			\$534,794
27	Proposed Increase						\$82,182

**Pennsylvania Power Company
 Rate Schedule SV - High Pressure Sodium Vapor
 Revenue Effects of Proposed Rates - FTY 4/30/16**

Line No.		Tariff No. 35, Supplement No. 101			Tariff No. 36		
		Current Rate (1)	Billing Units (2)	Revenues (3)	Proposed Rate (4)	Billing Units (5)	Proposed Revenue (6)=(4)x(5)
<u>HIGH PRESSURE SODIUM VAPOR</u>							
1	70 WATTS	\$9.00	34,920	\$314,280	\$ 10.25	34,920	\$357,930
2	100 WATTS	\$9.05	57,396	\$519,434	\$ 10.31	57,396	\$591,753
3	150 WATTS	\$8.74	8,604	\$75,199	\$ 9.96	8,604	\$85,696
4	250 WATTS	\$9.15	12,204	\$111,667	\$ 10.42	12,204	\$127,166
5	400 WATTS	\$9.07	2,664	\$24,162	\$ 10.33	2,664	\$27,519

**Pennsylvania Power Company
 Rate Schedule SVD - High Pressure Sodium Vapor Divided Ownership
 Revenue Effects of Proposed Rates - HTY 12/31/05**

<u>HIGH PRESSURE SODIUM VAPOR</u>							
6	70 WATTS	\$3.79	7,008	\$26,560	\$ 4.32	\$7,008.00	\$30,275
7	100 WATTS	\$3.74	564	\$2,109	\$ 4.26	\$564.00	\$2,403
8	150 WATTS	\$3.33	-	\$0	\$ 3.79	\$0	\$0
9	250 WATTS	\$3.64	-	\$0	\$ 4.15	\$0	\$0
10	400 WATTS	\$3.06	12	\$37	\$ 3.51	\$12.00	\$42

**Pennsylvania Power Company
 Rate Schedule SM - Mercury Vapor
 Revenue Effects of Proposed Rates - HTY 12/31/05**

<u>INCANDESCENT</u>							
11	175 WATTS	\$11.75	-	\$0	\$ 13.39	0	\$0
12	400 WATTS	\$12.56	-	\$0	\$ 14.31	0	\$0
13	<u>TOTAL BASE NORMALIZED DISTRIBUTION REVENUES</u>			\$1,073,448			\$1,222,784
14	Smart Meter Technologies Charge (Per Bill)			\$0	0	\$0	\$0
15	STAS - Distribution and rider changes			0.00%		\$0	\$0
16	<u>TOTAL DISTRIBUTION INCLUDING RIDER CHANGES</u>			1,073,448			1,222,784
<u>Energy Charges</u>							
17	Consumer Education	\$0.00002	6,189,168	\$0	\$0.00002	6,189,168	\$0
18	Energy Efficiency and Conservation Charge	\$0.00192	6,189,168	\$0	\$0.00192	6,189,168	\$0
19	Default Service Support Charge	\$0.00033	6,189,168	\$2,011	\$0.00033	6,189,168	\$2,011
20	Universal Service Charge	\$0	0	\$0	\$0	0	\$0
21	Solar Photovoltaic Requirements Charge	\$0.00018	6,189,168	\$1,114	\$0.00018	6,189,168	\$1,114
22	Phase II Energy Efficiency and Conservation Charge	\$0.00082	6,189,168	\$5,075	\$0.00082	6,189,168	\$5,075
23	PTC*	\$0.05971	6,189,168	\$369,555	\$0.05971	6,189,168	\$369,555
24	STAS - Rider charges			0.00%		\$0	\$0
25	Total Revenue			1,451,203			1,600,539
26	Proposed Increase						\$149,336
27	Percent Increase						10.29%

**PENNSYLVANIA POWER COMPANY
 COMPARISON BETWEEN PRESENT AND PROPOSED RATES**

ENERGY USAGE

All kWh	0	50	100	250	500	750	900	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000
Total Energy Usage	0	50	100	250	500	750	900	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000

UNBUNDLED RATES - CURRENT

Distribution																
Distribution Charge @ \$8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89
All kWh @ 2.213 ¢/kWh	\$ -	\$ 1.11	\$ 2.21	\$ 5.53	\$ 11.07	\$ 16.60	\$ 19.92	\$ 22.13	\$ 33.20	\$ 44.26	\$ 55.33	\$ 66.39	\$ 77.46	\$ 88.52	\$ 99.59	\$ 110.65
Sub-Total	\$ 8.89	\$ 10.00	\$ 11.10	\$ 14.42	\$ 19.96	\$ 25.49	\$ 28.81	\$ 31.02	\$ 42.09	\$ 53.15	\$ 64.22	\$ 75.28	\$ 86.35	\$ 97.41	\$ 108.48	\$ 119.54
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.01	\$ 0.02	\$ 0.05	\$ 0.09	\$ 0.14	\$ 0.16	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.63	\$ 0.72	\$ 0.81	\$ 0.90
Default Service Support Charge @ 0.139 ¢/kWh	\$ -	\$ 0.07	\$ 0.14	\$ 0.35	\$ 0.70	\$ 1.04	\$ 1.25	\$ 1.39	\$ 2.09	\$ 2.78	\$ 3.48	\$ 4.17	\$ 4.87	\$ 5.56	\$ 6.26	\$ 6.95
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Universal Service Charge @ 0.276 ¢/kWh	\$ -	\$ 0.14	\$ 0.28	\$ 0.69	\$ 1.38	\$ 2.07	\$ 2.48	\$ 2.76	\$ 4.14	\$ 5.52	\$ 6.90	\$ 8.28	\$ 9.66	\$ 11.04	\$ 12.42	\$ 13.80
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.291 ¢/kWh	\$ -	\$ 0.15	\$ 0.29	\$ 0.73	\$ 1.46	\$ 2.18	\$ 2.62	\$ 2.91	\$ 4.37	\$ 5.82	\$ 7.28	\$ 8.73	\$ 10.19	\$ 11.64	\$ 13.10	\$ 14.55
Smart Meter Charge @ \$4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20
Sub-Total	\$ 4.20	\$ 4.56	\$ 4.92	\$ 6.01	\$ 7.82	\$ 9.63	\$ 10.72	\$ 11.44	\$ 15.06	\$ 18.68	\$ 22.30	\$ 25.92	\$ 29.54	\$ 33.16	\$ 36.78	\$ 40.40
PTC Charge																
All kWh @ \$ 0.05748 /kWh	\$ -	\$ 2.87	\$ 5.75	\$ 14.37	\$ 28.74	\$ 43.11	\$ 51.73	\$ 57.48	\$ 86.22	\$ 114.96	\$ 143.70	\$ 172.44	\$ 201.18	\$ 229.92	\$ 258.66	\$ 287.40
Sub Total	\$ 13.09	\$ 17.43	\$ 21.78	\$ 34.80	\$ 56.52	\$ 78.23	\$ 91.26	\$ 99.94	\$ 143.37	\$ 186.79	\$ 230.22	\$ 273.64	\$ 317.07	\$ 360.49	\$ 403.92	\$ 447.34
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 13.09	\$ 17.43	\$ 21.78	\$ 34.80	\$ 56.52	\$ 78.23	\$ 91.26	\$ 99.94	\$ 143.37	\$ 186.79	\$ 230.22	\$ 273.64	\$ 317.07	\$ 360.49	\$ 403.92	\$ 447.34

UNBUNDLED RATES - PROPOSED

Distribution																
Distribution Charge @ \$12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71
All kWh @ 3.523 ¢/kWh	\$ -	\$ 1.76	\$ 3.52	\$ 8.81	\$ 17.62	\$ 26.42	\$ 31.71	\$ 35.23	\$ 52.85	\$ 70.46	\$ 88.08	\$ 105.69	\$ 123.31	\$ 140.92	\$ 158.54	\$ 176.15
Sub-Total	\$ 12.71	\$ 14.47	\$ 16.23	\$ 21.52	\$ 30.33	\$ 39.13	\$ 44.42	\$ 47.94	\$ 65.56	\$ 83.17	\$ 100.79	\$ 118.40	\$ 136.02	\$ 153.63	\$ 171.25	\$ 188.86
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.01	\$ 0.02	\$ 0.05	\$ 0.09	\$ 0.14	\$ 0.16	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.63	\$ 0.72	\$ 0.81	\$ 0.90
Default Service Support Charge @ 0.139 ¢/kWh	\$ -	\$ 0.07	\$ 0.14	\$ 0.35	\$ 0.70	\$ 1.04	\$ 1.25	\$ 1.39	\$ 2.09	\$ 2.78	\$ 3.48	\$ 4.17	\$ 4.87	\$ 5.56	\$ 6.26	\$ 6.95
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Universal Service Charge @ 0.276 ¢/kWh	\$ -	\$ 0.14	\$ 0.28	\$ 0.69	\$ 1.38	\$ 2.07	\$ 2.48	\$ 2.76	\$ 4.14	\$ 5.52	\$ 6.90	\$ 8.28	\$ 9.66	\$ 11.04	\$ 12.42	\$ 13.80
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.291 ¢/kWh	\$ -	\$ 0.15	\$ 0.29	\$ 0.73	\$ 1.46	\$ 2.18	\$ 2.62	\$ 2.91	\$ 4.37	\$ 5.82	\$ 7.28	\$ 8.73	\$ 10.19	\$ 11.64	\$ 13.10	\$ 14.55
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total	\$ -	\$ 0.36	\$ 0.72	\$ 1.81	\$ 3.62	\$ 5.43	\$ 6.52	\$ 7.24	\$ 10.86	\$ 14.48	\$ 18.10	\$ 21.72	\$ 25.34	\$ 28.96	\$ 32.58	\$ 36.20
PTC Charge																
All kWh @ \$ 0.05748 /kWh	\$ -	\$ 2.87	\$ 5.75	\$ 14.37	\$ 28.74	\$ 43.11	\$ 51.73	\$ 57.48	\$ 86.22	\$ 114.96	\$ 143.70	\$ 172.44	\$ 201.18	\$ 229.92	\$ 258.66	\$ 287.40
Sub Total	\$ 12.71	\$ 17.71	\$ 22.71	\$ 37.70	\$ 62.69	\$ 87.67	\$ 102.67	\$ 112.66	\$ 162.64	\$ 212.61	\$ 262.59	\$ 312.56	\$ 362.54	\$ 412.51	\$ 462.49	\$ 512.46
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 12.71	\$ 17.71	\$ 22.71	\$ 37.70	\$ 62.69	\$ 87.67	\$ 102.67	\$ 112.66	\$ 162.64	\$ 212.61	\$ 262.59	\$ 312.56	\$ 362.54	\$ 412.51	\$ 462.49	\$ 512.46
% Increase	-2.90%	1.58%	4.27%	8.32%	10.92%	12.07%	12.50%	12.73%	13.44%	13.82%	14.06%	14.22%	14.34%	14.43%	14.50%	14.56%

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE RS - OPTIONAL CONTROLLED SERVICE RIDER vs RATE RS

ENERGY USAGE

All kWh	0	50	100	250	500	750	900	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000
Total Energy Usage	0	50	100	250	500	750	900	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000

UNBUNDLED RATES - CURRENT

Distribution																
Distribution Charge @ \$9.91	\$ 9.91	\$ 9.91	\$ 9.91	\$ 9.91	\$ 9.91	\$ 9.91	\$ 9.91	\$ 9.91	\$ 9.91	\$ 9.91	\$ 9.91	\$ 9.91	\$ 9.91	\$ 9.91	\$ 9.91	\$ 9.91
All kWh @ 2.213 ¢/kWh	\$ -	\$ 1.11	\$ 2.21	\$ 5.53	\$ 11.07	\$ 16.60	\$ 19.92	\$ 22.13	\$ 33.20	\$ 44.26	\$ 55.33	\$ 66.39	\$ 77.46	\$ 88.52	\$ 99.59	\$ 110.65
Sub-Total	\$ 9.91	\$ 11.02	\$ 12.12	\$ 15.44	\$ 20.98	\$ 26.51	\$ 29.83	\$ 32.04	\$ 43.11	\$ 54.17	\$ 65.24	\$ 76.30	\$ 87.37	\$ 98.43	\$ 109.50	\$ 120.56
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.01	\$ 0.02	\$ 0.05	\$ 0.09	\$ 0.14	\$ 0.16	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.63	\$ 0.72	\$ 0.81	\$ 0.90
Default Service Support Charge @ 0.139 ¢/kWh	\$ -	\$ 0.07	\$ 0.14	\$ 0.35	\$ 0.70	\$ 1.04	\$ 1.25	\$ 1.39	\$ 2.09	\$ 2.78	\$ 3.48	\$ 4.17	\$ 4.87	\$ 5.56	\$ 6.26	\$ 6.95
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Universal Service Charge @ 0.276 ¢/kWh	\$ -	\$ 0.14	\$ 0.28	\$ 0.69	\$ 1.38	\$ 2.07	\$ 2.48	\$ 2.76	\$ 4.14	\$ 5.52	\$ 6.90	\$ 8.28	\$ 9.66	\$ 11.04	\$ 12.42	\$ 13.80
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.291 ¢/kWh	\$ -	\$ 0.15	\$ 0.29	\$ 0.73	\$ 1.46	\$ 2.18	\$ 2.62	\$ 2.91	\$ 4.37	\$ 5.82	\$ 7.28	\$ 8.73	\$ 10.19	\$ 11.64	\$ 13.10	\$ 14.55
Smart Meter Charge @ \$4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20	\$ 4.20
Sub-Total	\$ 4.20	\$ 4.56	\$ 4.92	\$ 6.01	\$ 7.82	\$ 9.63	\$ 10.72	\$ 11.44	\$ 15.06	\$ 18.68	\$ 22.30	\$ 25.92	\$ 29.54	\$ 33.16	\$ 36.78	\$ 40.40
PTC Charge																
All kWh @ \$ 0.05748 /kWh	\$ -	\$ 2.87	\$ 5.75	\$ 14.37	\$ 28.74	\$ 43.11	\$ 51.73	\$ 57.48	\$ 86.22	\$ 114.96	\$ 143.70	\$ 172.44	\$ 201.18	\$ 229.92	\$ 258.66	\$ 287.40
Sub Total	\$ 14.11	\$ 18.45	\$ 22.80	\$ 35.82	\$ 57.54	\$ 79.25	\$ 92.28	\$ 100.96	\$ 144.39	\$ 187.81	\$ 231.24	\$ 274.66	\$ 318.09	\$ 361.51	\$ 404.94	\$ 448.36
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 14.11	\$ 18.45	\$ 22.80	\$ 35.82	\$ 57.54	\$ 79.25	\$ 92.28	\$ 100.96	\$ 144.39	\$ 187.81	\$ 231.24	\$ 274.66	\$ 318.09	\$ 361.51	\$ 404.94	\$ 448.36

UNBUNDLED RATES - PROPOSED

Distribution																
Distribution Charge @ \$12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71
All kWh @ 3.523 ¢/kWh	\$ -	\$ 1.76	\$ 3.52	\$ 8.81	\$ 17.62	\$ 26.42	\$ 31.71	\$ 35.23	\$ 52.85	\$ 70.46	\$ 88.08	\$ 105.69	\$ 123.31	\$ 140.92	\$ 158.54	\$ 176.15
Sub-Total	\$ 12.71	\$ 14.47	\$ 16.23	\$ 21.52	\$ 30.33	\$ 39.13	\$ 44.42	\$ 47.94	\$ 65.56	\$ 83.17	\$ 100.79	\$ 118.40	\$ 136.02	\$ 153.63	\$ 171.25	\$ 188.86
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.01	\$ 0.02	\$ 0.05	\$ 0.09	\$ 0.14	\$ 0.16	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.63	\$ 0.72	\$ 0.81	\$ 0.90
Default Service Support Charge @ 0.139 ¢/kWh	\$ -	\$ 0.07	\$ 0.14	\$ 0.35	\$ 0.70	\$ 1.04	\$ 1.25	\$ 1.39	\$ 2.09	\$ 2.78	\$ 3.48	\$ 4.17	\$ 4.87	\$ 5.56	\$ 6.26	\$ 6.95
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Universal Service Charge @ 0.276 ¢/kWh	\$ -	\$ 0.14	\$ 0.28	\$ 0.69	\$ 1.38	\$ 2.07	\$ 2.48	\$ 2.76	\$ 4.14	\$ 5.52	\$ 6.90	\$ 8.28	\$ 9.66	\$ 11.04	\$ 12.42	\$ 13.80
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.291 ¢/kWh	\$ -	\$ 0.15	\$ 0.29	\$ 0.73	\$ 1.46	\$ 2.18	\$ 2.62	\$ 2.91	\$ 4.37	\$ 5.82	\$ 7.28	\$ 8.73	\$ 10.19	\$ 11.64	\$ 13.10	\$ 14.55
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total	\$ -	\$ 0.36	\$ 0.72	\$ 1.81	\$ 3.62	\$ 5.43	\$ 6.52	\$ 7.24	\$ 10.86	\$ 14.48	\$ 18.10	\$ 21.72	\$ 25.34	\$ 28.96	\$ 32.58	\$ 36.20
PTC Charge																
All kWh @ \$ 0.05748 /kWh	\$ -	\$ 2.87	\$ 5.75	\$ 14.37	\$ 28.74	\$ 43.11	\$ 51.73	\$ 57.48	\$ 86.22	\$ 114.96	\$ 143.70	\$ 172.44	\$ 201.18	\$ 229.92	\$ 258.66	\$ 287.40
Sub Total	\$ 12.71	\$ 17.71	\$ 22.71	\$ 37.70	\$ 62.69	\$ 87.67	\$ 102.67	\$ 112.66	\$ 162.64	\$ 212.61	\$ 262.59	\$ 312.56	\$ 362.54	\$ 412.51	\$ 462.49	\$ 512.46
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 12.71	\$ 17.71	\$ 22.71	\$ 37.70	\$ 62.69	\$ 87.67	\$ 102.67	\$ 112.66	\$ 162.64	\$ 212.61	\$ 262.59	\$ 312.56	\$ 362.54	\$ 412.51	\$ 462.49	\$ 512.46
% Increase	-9.92%	-4.04%	-0.39%	5.23%	8.95%	10.63%	11.26%	11.59%	12.64%	13.20%	13.56%	13.80%	13.97%	14.11%	14.21%	14.30%

**PENNSYLVANIA POWER COMPANY
 COMPARISON BETWEEN PRESENT AND PROPOSED RATES
 RATE RH vs RATE RS**

ENERGY USAGE

All kWh	0	50	100	250	500	750	900	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000
Total Energy Usage	0	50	100	250	500	750	900	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000

UNBUNDLED RATES - CURRENT

Distribution																
Distribution Charge @ \$8.86	\$ 8.86	\$ 8.86	\$ 8.86	\$ 8.86	\$ 8.86	\$ 8.86	\$ 8.86	\$ 8.86	\$ 8.86	\$ 8.86	\$ 8.86	\$ 8.86	\$ 8.86	\$ 8.86	\$ 8.86	\$ 8.86
All kWh @ 1.530 ¢/kWh	\$ -	\$ 0.77	\$ 1.53	\$ 3.83	\$ 7.65	\$ 11.48	\$ 13.77	\$ 15.30	\$ 22.95	\$ 30.60	\$ 38.25	\$ 45.90	\$ 53.55	\$ 61.20	\$ 68.85	\$ 76.50
Sub-Total	\$ 8.86	\$ 9.63	\$ 10.39	\$ 12.69	\$ 16.51	\$ 20.34	\$ 22.63	\$ 24.16	\$ 31.81	\$ 39.46	\$ 47.11	\$ 54.76	\$ 62.41	\$ 70.06	\$ 77.71	\$ 85.36
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.01	\$ 0.02	\$ 0.05	\$ 0.09	\$ 0.14	\$ 0.16	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.63	\$ 0.72	\$ 0.81	\$ 0.90
Default Service Support Charge @ 0.139 ¢/kWh	\$ -	\$ 0.07	\$ 0.14	\$ 0.35	\$ 0.70	\$ 1.04	\$ 1.25	\$ 1.39	\$ 2.09	\$ 2.78	\$ 3.48	\$ 4.17	\$ 4.87	\$ 5.56	\$ 6.26	\$ 6.95
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Universal Service Charge @ 0.276 ¢/kWh	\$ -	\$ 0.14	\$ 0.28	\$ 0.69	\$ 1.38	\$ 2.07	\$ 2.48	\$ 2.76	\$ 4.14	\$ 5.52	\$ 6.90	\$ 8.28	\$ 9.66	\$ 11.04	\$ 12.42	\$ 13.80
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.291 ¢/kWh	\$ -	\$ 0.15	\$ 0.29	\$ 0.73	\$ 1.46	\$ 2.18	\$ 2.62	\$ 2.91	\$ 4.37	\$ 5.82	\$ 7.28	\$ 8.73	\$ 10.19	\$ 11.64	\$ 13.10	\$ 14.55
Smart Meter Charge @ \$5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25
Sub-Total	\$ 5.25	\$ 5.61	\$ 5.97	\$ 7.06	\$ 8.87	\$ 10.68	\$ 11.77	\$ 12.49	\$ 16.11	\$ 19.73	\$ 23.35	\$ 26.97	\$ 30.59	\$ 34.21	\$ 37.83	\$ 41.45
PTC Charge																
All kWh @ \$ 0.05748 /kWh	\$ -	\$ 2.87	\$ 5.75	\$ 14.37	\$ 28.74	\$ 43.11	\$ 51.73	\$ 57.48	\$ 86.22	\$ 114.96	\$ 143.70	\$ 172.44	\$ 201.18	\$ 229.92	\$ 258.66	\$ 287.40
Sub Total	\$ 14.11	\$ 18.11	\$ 22.11	\$ 34.12	\$ 54.12	\$ 74.13	\$ 86.13	\$ 94.13	\$ 134.14	\$ 174.15	\$ 214.16	\$ 254.17	\$ 294.18	\$ 334.19	\$ 374.20	\$ 414.21
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 14.11	\$ 18.11	\$ 22.11	\$ 34.12	\$ 54.12	\$ 74.13	\$ 86.13	\$ 94.13	\$ 134.14	\$ 174.15	\$ 214.16	\$ 254.17	\$ 294.18	\$ 334.19	\$ 374.20	\$ 414.21

UNBUNDLED RATES - PROPOSED

Distribution																
Distribution Charge @ \$12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71
All kWh @ 3.523 ¢/kWh	\$ -	\$ 1.76	\$ 3.52	\$ 8.81	\$ 17.62	\$ 26.42	\$ 31.71	\$ 35.23	\$ 52.85	\$ 70.46	\$ 88.08	\$ 105.69	\$ 123.31	\$ 140.92	\$ 158.54	\$ 176.15
Sub-Total	\$ 12.71	\$ 14.47	\$ 16.23	\$ 21.52	\$ 30.33	\$ 39.13	\$ 44.42	\$ 47.94	\$ 65.56	\$ 83.17	\$ 100.79	\$ 118.40	\$ 136.02	\$ 153.63	\$ 171.25	\$ 188.86
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.01	\$ 0.02	\$ 0.05	\$ 0.09	\$ 0.14	\$ 0.16	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.63	\$ 0.72	\$ 0.81	\$ 0.90
Default Service Support Charge @ 0.139 ¢/kWh	\$ -	\$ 0.07	\$ 0.14	\$ 0.35	\$ 0.70	\$ 1.04	\$ 1.25	\$ 1.39	\$ 2.09	\$ 2.78	\$ 3.48	\$ 4.17	\$ 4.87	\$ 5.56	\$ 6.26	\$ 6.95
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Universal Service Charge @ 0.276 ¢/kWh	\$ -	\$ 0.14	\$ 0.28	\$ 0.69	\$ 1.38	\$ 2.07	\$ 2.48	\$ 2.76	\$ 4.14	\$ 5.52	\$ 6.90	\$ 8.28	\$ 9.66	\$ 11.04	\$ 12.42	\$ 13.80
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.291 ¢/kWh	\$ -	\$ 0.15	\$ 0.29	\$ 0.73	\$ 1.46	\$ 2.18	\$ 2.62	\$ 2.91	\$ 4.37	\$ 5.82	\$ 7.28	\$ 8.73	\$ 10.19	\$ 11.64	\$ 13.10	\$ 14.55
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total	\$ -	\$ 0.36	\$ 0.72	\$ 1.81	\$ 3.62	\$ 5.43	\$ 6.52	\$ 7.24	\$ 10.86	\$ 14.48	\$ 18.10	\$ 21.72	\$ 25.34	\$ 28.96	\$ 32.58	\$ 36.20
PTC Charge																
All kWh @ \$ 0.05748 /kWh	\$ -	\$ 2.87	\$ 5.75	\$ 14.37	\$ 28.74	\$ 43.11	\$ 51.73	\$ 57.48	\$ 86.22	\$ 114.96	\$ 143.70	\$ 172.44	\$ 201.18	\$ 229.92	\$ 258.66	\$ 287.40
Sub Total	\$ 12.71	\$ 17.71	\$ 22.71	\$ 37.70	\$ 62.69	\$ 87.67	\$ 102.67	\$ 112.66	\$ 162.64	\$ 212.61	\$ 262.59	\$ 312.56	\$ 362.54	\$ 412.51	\$ 462.49	\$ 512.46
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 12.71	\$ 17.71	\$ 22.71	\$ 37.70	\$ 62.69	\$ 87.67	\$ 102.67	\$ 112.66	\$ 162.64	\$ 212.61	\$ 262.59	\$ 312.56	\$ 362.54	\$ 412.51	\$ 462.49	\$ 512.46
% Increase	-9.92%	-2.23%	2.68%	10.50%	15.83%	18.28%	19.20%	19.69%	21.24%	22.08%	22.61%	22.97%	23.24%	23.44%	23.59%	23.72%

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE RH - WATER HEATING OPTION vs RATE RS

ENERGY USAGE

All kWh	0	50	100	250	500	750	900	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000
Total Energy Usage	0	50	100	250	500	750	900	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000

UNBUNDLED RATES - CURRENT

Distribution																
Distribution Charge @ \$9.89	\$ 9.89	\$ 9.89	\$ 9.89	\$ 9.89	\$ 9.89	\$ 9.89	\$ 9.89	\$ 9.89	\$ 9.89	\$ 9.89	\$ 9.89	\$ 9.89	\$ 9.89	\$ 9.89	\$ 9.89	\$ 9.89
All kWh @ 1.530 ¢/kWh	\$ -	\$ 0.77	\$ 1.53	\$ 3.83	\$ 7.65	\$ 11.48	\$ 13.77	\$ 15.30	\$ 22.95	\$ 30.60	\$ 38.25	\$ 45.90	\$ 53.55	\$ 61.20	\$ 68.85	\$ 76.50
Sub-Total	\$ 9.89	\$ 10.66	\$ 11.42	\$ 13.72	\$ 17.54	\$ 21.37	\$ 23.66	\$ 25.19	\$ 32.84	\$ 40.49	\$ 48.14	\$ 55.79	\$ 63.44	\$ 71.09	\$ 78.74	\$ 86.39
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.01	\$ 0.02	\$ 0.05	\$ 0.09	\$ 0.14	\$ 0.16	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.63	\$ 0.72	\$ 0.81	\$ 0.90
Default Service Support Charge @ 0.139 ¢/kWh	\$ -	\$ 0.07	\$ 0.14	\$ 0.35	\$ 0.70	\$ 1.04	\$ 1.25	\$ 1.39	\$ 2.09	\$ 2.78	\$ 3.48	\$ 4.17	\$ 4.87	\$ 5.56	\$ 6.26	\$ 6.95
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Universal Service Charge @ 0.276 ¢/kWh	\$ -	\$ 0.14	\$ 0.28	\$ 0.69	\$ 1.38	\$ 2.07	\$ 2.48	\$ 2.76	\$ 4.14	\$ 5.52	\$ 6.90	\$ 8.28	\$ 9.66	\$ 11.04	\$ 12.42	\$ 13.80
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.291 ¢/kWh	\$ -	\$ 0.15	\$ 0.29	\$ 0.73	\$ 1.46	\$ 2.18	\$ 2.62	\$ 2.91	\$ 4.37	\$ 5.82	\$ 7.28	\$ 8.73	\$ 10.19	\$ 11.64	\$ 13.10	\$ 14.55
Smart Meter Charge @ \$5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25	\$ 5.25
Sub-Total	\$ 5.25	\$ 5.61	\$ 5.97	\$ 7.06	\$ 8.87	\$ 10.68	\$ 11.77	\$ 12.49	\$ 16.11	\$ 19.73	\$ 23.35	\$ 26.97	\$ 30.59	\$ 34.21	\$ 37.83	\$ 41.45
PTC Charge																
All kWh @ \$ 0.05748 /kWh	\$ -	\$ 2.87	\$ 5.75	\$ 14.37	\$ 28.74	\$ 43.11	\$ 51.73	\$ 57.48	\$ 86.22	\$ 114.96	\$ 143.70	\$ 172.44	\$ 201.18	\$ 229.92	\$ 258.66	\$ 287.40
Sub Total	\$ 15.14	\$ 19.14	\$ 23.14	\$ 35.15	\$ 55.15	\$ 75.16	\$ 87.16	\$ 95.16	\$ 135.17	\$ 175.18	\$ 215.19	\$ 255.20	\$ 295.21	\$ 335.22	\$ 375.23	\$ 415.24
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 15.14	\$ 19.14	\$ 23.14	\$ 35.15	\$ 55.15	\$ 75.16	\$ 87.16	\$ 95.16	\$ 135.17	\$ 175.18	\$ 215.19	\$ 255.20	\$ 295.21	\$ 335.22	\$ 375.23	\$ 415.24

UNBUNDLED RATES - PROPOSED

Distribution																
Distribution Charge @ \$12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71
All kWh @ 3.523 ¢/kWh	\$ -	\$ 1.76	\$ 3.52	\$ 8.81	\$ 17.62	\$ 26.42	\$ 31.71	\$ 35.23	\$ 52.85	\$ 70.46	\$ 88.08	\$ 105.69	\$ 123.31	\$ 140.92	\$ 158.54	\$ 176.15
Sub-Total	\$ 12.71	\$ 14.47	\$ 16.23	\$ 21.52	\$ 30.33	\$ 39.13	\$ 44.42	\$ 47.94	\$ 65.56	\$ 83.17	\$ 100.79	\$ 118.40	\$ 136.02	\$ 153.63	\$ 171.25	\$ 188.86
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.01	\$ 0.02	\$ 0.05	\$ 0.09	\$ 0.14	\$ 0.16	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.63	\$ 0.72	\$ 0.81	\$ 0.90
Default Service Support Charge @ 0.139 ¢/kWh	\$ -	\$ 0.07	\$ 0.14	\$ 0.35	\$ 0.70	\$ 1.04	\$ 1.25	\$ 1.39	\$ 2.09	\$ 2.78	\$ 3.48	\$ 4.17	\$ 4.87	\$ 5.56	\$ 6.26	\$ 6.95
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Universal Service Charge @ 0.276 ¢/kWh	\$ -	\$ 0.14	\$ 0.28	\$ 0.69	\$ 1.38	\$ 2.07	\$ 2.48	\$ 2.76	\$ 4.14	\$ 5.52	\$ 6.90	\$ 8.28	\$ 9.66	\$ 11.04	\$ 12.42	\$ 13.80
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.291 ¢/kWh	\$ -	\$ 0.15	\$ 0.29	\$ 0.73	\$ 1.46	\$ 2.18	\$ 2.62	\$ 2.91	\$ 4.37	\$ 5.82	\$ 7.28	\$ 8.73	\$ 10.19	\$ 11.64	\$ 13.10	\$ 14.55
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total	\$ -	\$ 0.36	\$ 0.72	\$ 1.81	\$ 3.62	\$ 5.43	\$ 6.52	\$ 7.24	\$ 10.86	\$ 14.48	\$ 18.10	\$ 21.72	\$ 25.34	\$ 28.96	\$ 32.58	\$ 36.20
PTC Charge																
All kWh @ \$ 0.05748 /kWh	\$ -	\$ 2.87	\$ 5.75	\$ 14.37	\$ 28.74	\$ 43.11	\$ 51.73	\$ 57.48	\$ 86.22	\$ 114.96	\$ 143.70	\$ 172.44	\$ 201.18	\$ 229.92	\$ 258.66	\$ 287.40
Sub Total	\$ 12.71	\$ 17.71	\$ 22.71	\$ 37.70	\$ 62.69	\$ 87.67	\$ 102.67	\$ 112.66	\$ 162.64	\$ 212.61	\$ 262.59	\$ 312.56	\$ 362.54	\$ 412.51	\$ 462.49	\$ 512.46
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 12.71	\$ 17.71	\$ 22.71	\$ 37.70	\$ 62.69	\$ 87.67	\$ 102.67	\$ 112.66	\$ 162.64	\$ 212.61	\$ 262.59	\$ 312.56	\$ 362.54	\$ 412.51	\$ 462.49	\$ 512.46
% Increase	-16.05%	-7.49%	-1.89%	7.26%	13.66%	16.66%	17.79%	18.39%	20.32%	21.37%	22.02%	22.48%	22.81%	23.06%	23.25%	23.41%

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE WH - RESIDENTIAL CONTROLLED WATER HEATING SERVICE vs RATE RS

ENERGY USAGE

All kWh	0	50	100	250	500	750	900	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000
Total Energy Usage	0	50	100	250	500	750	900	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000

UNBUNDLED RATES - CURRENT

Distribution																
Distribution Charge @ \$2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29
All kWh @ 2.213 ¢/kWh	\$ -	\$ 1.11	\$ 2.21	\$ 5.53	\$ 11.07	\$ 16.60	\$ 19.92	\$ 22.13	\$ 33.20	\$ 44.26	\$ 55.33	\$ 66.39	\$ 77.46	\$ 88.52	\$ 99.59	\$ 110.65
Sub-Total	\$ 2.29	\$ 3.40	\$ 4.50	\$ 7.82	\$ 13.36	\$ 18.89	\$ 22.21	\$ 24.42	\$ 35.49	\$ 46.55	\$ 57.62	\$ 68.68	\$ 79.75	\$ 90.81	\$ 101.88	\$ 112.94
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.01	\$ 0.02	\$ 0.05	\$ 0.09	\$ 0.14	\$ 0.16	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.63	\$ 0.72	\$ 0.81	\$ 0.90
Default Service Support Charge @ 0.139 ¢/kWh	\$ -	\$ 0.07	\$ 0.14	\$ 0.35	\$ 0.70	\$ 1.04	\$ 1.25	\$ 1.39	\$ 2.09	\$ 2.78	\$ 3.48	\$ 4.17	\$ 4.87	\$ 5.56	\$ 6.26	\$ 6.95
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Universal Service Charge @ 0.276 ¢/kWh	\$ -	\$ 0.14	\$ 0.28	\$ 0.69	\$ 1.38	\$ 2.07	\$ 2.48	\$ 2.76	\$ 4.14	\$ 5.52	\$ 6.90	\$ 8.28	\$ 9.66	\$ 11.04	\$ 12.42	\$ 13.80
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.291 ¢/kWh	\$ -	\$ 0.15	\$ 0.29	\$ 0.73	\$ 1.46	\$ 2.18	\$ 2.62	\$ 2.91	\$ 4.37	\$ 5.82	\$ 7.28	\$ 8.73	\$ 10.19	\$ 11.64	\$ 13.10	\$ 14.55
Smart Meter Charge @ \$5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72
Sub-Total	\$ 5.72	\$ 6.08	\$ 6.44	\$ 7.53	\$ 9.34	\$ 11.15	\$ 12.24	\$ 12.96	\$ 16.58	\$ 20.20	\$ 23.82	\$ 27.44	\$ 31.06	\$ 34.68	\$ 38.30	\$ 41.92
PTC Charge																
All kWh @ \$ 0.05748 /kWh	\$ -	\$ 2.87	\$ 5.75	\$ 14.37	\$ 28.74	\$ 43.11	\$ 51.73	\$ 57.48	\$ 86.22	\$ 114.96	\$ 143.70	\$ 172.44	\$ 201.18	\$ 229.92	\$ 258.66	\$ 287.40
Sub Total	\$ 8.01	\$ 12.35	\$ 16.70	\$ 29.72	\$ 51.44	\$ 73.15	\$ 86.18	\$ 94.86	\$ 138.29	\$ 181.71	\$ 225.14	\$ 268.56	\$ 311.99	\$ 355.41	\$ 398.84	\$ 442.26
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 8.01	\$ 12.35	\$ 16.70	\$ 29.72	\$ 51.44	\$ 73.15	\$ 86.18	\$ 94.86	\$ 138.29	\$ 181.71	\$ 225.14	\$ 268.56	\$ 311.99	\$ 355.41	\$ 398.84	\$ 442.26

UNBUNDLED RATES - PROPOSED

Distribution																
Distribution Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
All kWh @ 3.523 ¢/kWh	\$ -	\$ 1.76	\$ 3.52	\$ 8.81	\$ 17.62	\$ 26.42	\$ 31.71	\$ 35.23	\$ 52.85	\$ 70.46	\$ 88.08	\$ 105.69	\$ 123.31	\$ 140.92	\$ 158.54	\$ 176.15
Sub-Total	\$ -	\$ 1.76	\$ 3.52	\$ 8.81	\$ 17.62	\$ 26.42	\$ 31.71	\$ 35.23	\$ 52.85	\$ 70.46	\$ 88.08	\$ 105.69	\$ 123.31	\$ 140.92	\$ 158.54	\$ 176.15
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.01	\$ 0.02	\$ 0.05	\$ 0.09	\$ 0.14	\$ 0.16	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.63	\$ 0.72	\$ 0.81	\$ 0.90
Default Service Support Charge @ 0.139 ¢/kWh	\$ -	\$ 0.07	\$ 0.14	\$ 0.35	\$ 0.70	\$ 1.04	\$ 1.25	\$ 1.39	\$ 2.09	\$ 2.78	\$ 3.48	\$ 4.17	\$ 4.87	\$ 5.56	\$ 6.26	\$ 6.95
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Universal Service Charge @ 0.276 ¢/kWh	\$ -	\$ 0.14	\$ 0.28	\$ 0.69	\$ 1.38	\$ 2.07	\$ 2.48	\$ 2.76	\$ 4.14	\$ 5.52	\$ 6.90	\$ 8.28	\$ 9.66	\$ 11.04	\$ 12.42	\$ 13.80
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.291 ¢/kWh	\$ -	\$ 0.15	\$ 0.29	\$ 0.73	\$ 1.46	\$ 2.18	\$ 2.62	\$ 2.91	\$ 4.37	\$ 5.82	\$ 7.28	\$ 8.73	\$ 10.19	\$ 11.64	\$ 13.10	\$ 14.55
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total	\$ -	\$ 0.36	\$ 0.72	\$ 1.81	\$ 3.62	\$ 5.43	\$ 6.52	\$ 7.24	\$ 10.86	\$ 14.48	\$ 18.10	\$ 21.72	\$ 25.34	\$ 28.96	\$ 32.58	\$ 36.20
PTC Charge																
All kWh @ \$ 0.05748 /kWh	\$ -	\$ 2.87	\$ 5.75	\$ 14.37	\$ 28.74	\$ 43.11	\$ 51.73	\$ 57.48	\$ 86.22	\$ 114.96	\$ 143.70	\$ 172.44	\$ 201.18	\$ 229.92	\$ 258.66	\$ 287.40
Sub Total	\$ -	\$ 5.00	\$ 10.00	\$ 24.99	\$ 49.98	\$ 74.96	\$ 89.96	\$ 99.95	\$ 149.93	\$ 199.90	\$ 249.88	\$ 299.85	\$ 349.83	\$ 399.80	\$ 449.78	\$ 499.75
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ -	\$ 5.00	\$ 10.00	\$ 24.99	\$ 49.98	\$ 74.96	\$ 89.96	\$ 99.95	\$ 149.93	\$ 199.90	\$ 249.88	\$ 299.85	\$ 349.83	\$ 399.80	\$ 449.78	\$ 499.75
% Increase	-100.00%	-59.54%	-40.13%	-15.93%	-2.84%	2.48%	4.39%	5.37%	8.42%	10.01%	10.99%	11.65%	12.13%	12.49%	12.77%	13.00%

**PENNSYLVANIA POWER COMPANY
 COMPARISON BETWEEN PRESENT AND PROPOSED RATES
 RATE WH - NON RESIDENTIAL CONTROLLED WATER HEATING SERVICE vs RATE GS-SMALL**

ENERGY USAGE

All kWh	0	100	200	300	400	500	600	730	500	1,000	1,500	2,000	2,500	3,000	3,650
Total Energy Usage	0	100	200	300	400	500	600	730	500	1,000	1,500	2,000	2,500	3,000	3,650

UNBUNDLED RATES - CURRENT

Distribution																
Distribution Charge @ \$2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29	\$ 2.29
All kWh @ 2.213 ¢/kWh	\$ -	\$ 2.21	\$ 4.43	\$ 6.64	\$ 8.85	\$ 11.07	\$ 13.28	\$ 16.15	\$ 11.07	\$ 22.13	\$ 33.20	\$ 44.26	\$ 55.33	\$ 66.39	\$ 80.77	
Sub-Total	\$ 2.29	\$ 4.50	\$ 6.72	\$ 8.93	\$ 11.14	\$ 13.36	\$ 15.57	\$ 18.44	\$ 13.36	\$ 24.42	\$ 35.49	\$ 46.55	\$ 57.62	\$ 68.68	\$ 83.06	
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.02	\$ 0.04	\$ 0.05	\$ 0.07	\$ 0.09	\$ 0.11	\$ 0.13	\$ 0.09	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.66	
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.03	\$ 0.07	\$ 0.10	\$ 0.13	\$ 0.17	\$ 0.20	\$ 0.24	\$ 0.17	\$ 0.33	\$ 0.50	\$ 0.66	\$ 0.83	\$ 0.99	\$ 1.20	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Universal Service Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 0.12	\$ 0.24	\$ 0.37	\$ 0.49	\$ 0.61	\$ 0.73	\$ 0.89	\$ 0.61	\$ 1.22	\$ 1.83	\$ 2.44	\$ 3.05	\$ 3.66	\$ 4.45	
Smart Meter Charge @ \$5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	\$ 5.72	
Sub-Total	\$ 5.72	\$ 5.89	\$ 6.07	\$ 6.24	\$ 6.41	\$ 6.59	\$ 6.76	\$ 6.98	\$ 6.59	\$ 7.45	\$ 8.32	\$ 9.18	\$ 10.05	\$ 10.91	\$ 12.03	
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 5.97	\$ 11.94	\$ 17.91	\$ 23.88	\$ 29.86	\$ 35.83	\$ 43.59	\$ 29.86	\$ 59.71	\$ 89.57	\$ 119.42	\$ 149.28	\$ 179.13	\$ 217.94	
Sub Total	\$ 8.01	\$ 16.37	\$ 24.72	\$ 33.08	\$ 41.44	\$ 49.80	\$ 58.15	\$ 69.02	\$ 49.80	\$ 91.58	\$ 133.37	\$ 175.15	\$ 216.94	\$ 258.72	\$ 313.04	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 8.01	\$ 16.37	\$ 24.72	\$ 33.08	\$ 41.44	\$ 49.80	\$ 58.15	\$ 69.02	\$ 49.80	\$ 91.58	\$ 133.37	\$ 175.15	\$ 216.94	\$ 258.72	\$ 313.04	

UNBUNDLED RATES - PROPOSED

Distribution																
Distribution Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
All kWh @ 1.290 ¢/kWh	\$ -	\$ 1.29	\$ 2.58	\$ 3.87	\$ 5.16	\$ 6.45	\$ 7.74	\$ 9.42	\$ 6.45	\$ 12.90	\$ 19.35	\$ 25.80	\$ 32.25	\$ 38.70	\$ 47.09	
Sub-Total	\$ -	\$ 1.29	\$ 2.58	\$ 3.87	\$ 5.16	\$ 6.45	\$ 7.74	\$ 9.42	\$ 6.45	\$ 12.90	\$ 19.35	\$ 25.80	\$ 32.25	\$ 38.70	\$ 47.09	
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.02	\$ 0.04	\$ 0.05	\$ 0.07	\$ 0.09	\$ 0.11	\$ 0.13	\$ 0.09	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.66	
Default Service Support Charge @ 0.028 ¢/kWh	\$ -	\$ 0.03	\$ 0.06	\$ 0.08	\$ 0.11	\$ 0.14	\$ 0.17	\$ 0.20	\$ 0.14	\$ 0.28	\$ 0.42	\$ 0.56	\$ 0.70	\$ 0.84	\$ 1.02	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Universal Service Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 0.12	\$ 0.24	\$ 0.37	\$ 0.49	\$ 0.61	\$ 0.73	\$ 0.89	\$ 0.61	\$ 1.22	\$ 1.83	\$ 2.44	\$ 3.05	\$ 3.66	\$ 4.45	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ -	\$ 0.17	\$ 0.34	\$ 0.50	\$ 0.67	\$ 0.84	\$ 1.01	\$ 1.23	\$ 0.84	\$ 1.68	\$ 2.52	\$ 3.36	\$ 4.20	\$ 5.04	\$ 6.13	
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 5.97	\$ 11.94	\$ 17.91	\$ 23.88	\$ 29.86	\$ 35.83	\$ 43.59	\$ 29.86	\$ 59.71	\$ 89.57	\$ 119.42	\$ 149.28	\$ 179.13	\$ 217.94	
Sub Total	\$ -	\$ 7.43	\$ 14.86	\$ 22.29	\$ 29.72	\$ 37.15	\$ 44.57	\$ 54.23	\$ 37.15	\$ 74.29	\$ 111.44	\$ 148.58	\$ 185.73	\$ 222.87	\$ 271.16	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ -	\$ 7.43	\$ 14.86	\$ 22.29	\$ 29.72	\$ 37.15	\$ 44.57	\$ 54.23	\$ 37.15	\$ 74.29	\$ 111.44	\$ 148.58	\$ 185.73	\$ 222.87	\$ 271.16	
% Increase	-100.00%	-54.61%	-39.90%	-32.63%	-28.29%	-25.40%	-23.35%	-21.42%	-25.40%	-18.88%	-16.44%	-15.17%	-14.39%	-13.86%	-13.38%	

PENNSYLVANIA POWER COMPANY
 COMPARISON BETWEEN PRESENT AND PROPOSED RATES

RATE GS - SPECIAL PROVISION FOR FIRE COMPANIES, NON-PROFIT SENIOR CITIZEN CENTERS, NON-PROFIT RESCUE SQUADS AND NON-PROFIT AMBULANCE SERVICES

ENERGY USAGE

All kWh	0	50	100	250	500	750	900	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000
Total Energy Usage	0	50	100	250	500	750	900	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000

UNBUNDLED RATES - CURRENT

Distribution																
Distribution Charge @ \$8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89
All kWh @ 2.213 ¢/kWh	\$ -	\$ 1.11	\$ 2.21	\$ 5.53	\$ 11.07	\$ 16.60	\$ 19.92	\$ 22.13	\$ 33.20	\$ 44.26	\$ 55.33	\$ 66.39	\$ 77.46	\$ 88.52	\$ 99.59	\$ 110.65
Sub-Total	\$ 8.89	\$ 10.00	\$ 11.10	\$ 14.42	\$ 19.96	\$ 25.49	\$ 28.81	\$ 31.02	\$ 42.09	\$ 53.15	\$ 64.22	\$ 75.28	\$ 86.35	\$ 97.41	\$ 108.48	\$ 119.54
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.01	\$ 0.02	\$ 0.05	\$ 0.09	\$ 0.14	\$ 0.16	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.63	\$ 0.72	\$ 0.81	\$ 0.90
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.02	\$ 0.03	\$ 0.08	\$ 0.17	\$ 0.25	\$ 0.30	\$ 0.33	\$ 0.50	\$ 0.66	\$ 0.83	\$ 0.99	\$ 1.16	\$ 1.32	\$ 1.49	\$ 1.65
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Universal Service Charge @ 0.276 ¢/kWh	\$ -	\$ 0.14	\$ 0.28	\$ 0.69	\$ 1.38	\$ 2.07	\$ 2.48	\$ 2.76	\$ 4.14	\$ 5.52	\$ 6.90	\$ 8.28	\$ 9.66	\$ 11.04	\$ 12.42	\$ 13.80
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.630 ¢/kWh	\$ -	\$ 0.32	\$ 0.63	\$ 1.58	\$ 3.15	\$ 4.73	\$ 5.67	\$ 6.30	\$ 9.45	\$ 12.60	\$ 15.75	\$ 18.90	\$ 22.05	\$ 25.20	\$ 28.35	\$ 31.50
Smart Meter Charge @ \$4.38	\$ 4.38	\$ 4.38	\$ 4.38	\$ 4.38	\$ 4.38	\$ 4.38	\$ 4.38	\$ 4.38	\$ 4.38	\$ 4.38	\$ 4.38	\$ 4.38	\$ 4.38	\$ 4.38	\$ 4.38	\$ 4.38
Sub-Total	\$ 4.38	\$ 4.86	\$ 5.34	\$ 6.77	\$ 9.17	\$ 11.56	\$ 12.99	\$ 13.95	\$ 18.74	\$ 23.52	\$ 28.31	\$ 33.09	\$ 37.88	\$ 42.66	\$ 47.45	\$ 52.23
PTC Charge																
All kWh @ \$ 0.05748 /kWh	\$ -	\$ 2.87	\$ 5.75	\$ 14.37	\$ 28.74	\$ 43.11	\$ 51.73	\$ 57.48	\$ 86.22	\$ 114.96	\$ 143.70	\$ 172.44	\$ 201.18	\$ 229.92	\$ 258.66	\$ 287.40
Sub Total	\$ 13.27	\$ 17.73	\$ 22.19	\$ 35.57	\$ 57.86	\$ 80.16	\$ 93.53	\$ 102.45	\$ 147.04	\$ 191.63	\$ 236.22	\$ 280.81	\$ 325.40	\$ 369.99	\$ 414.58	\$ 459.17
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 13.27	\$ 17.73	\$ 22.19	\$ 35.57	\$ 57.86	\$ 80.16	\$ 93.53	\$ 102.45	\$ 147.04	\$ 191.63	\$ 236.22	\$ 280.81	\$ 325.40	\$ 369.99	\$ 414.58	\$ 459.17

UNBUNDLED RATES - PROPOSED

Distribution																
Distribution Charge @ \$12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71	\$ 12.71
All kWh @ 3.523 ¢/kWh	\$ -	\$ 1.76	\$ 3.52	\$ 8.81	\$ 17.62	\$ 26.42	\$ 31.71	\$ 35.23	\$ 52.85	\$ 70.46	\$ 88.08	\$ 105.69	\$ 123.31	\$ 140.92	\$ 158.54	\$ 176.15
Sub-Total	\$ 12.71	\$ 14.47	\$ 16.23	\$ 21.52	\$ 30.33	\$ 39.13	\$ 44.42	\$ 47.94	\$ 65.56	\$ 83.17	\$ 100.79	\$ 118.40	\$ 136.02	\$ 153.63	\$ 171.25	\$ 188.86
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.01	\$ 0.02	\$ 0.05	\$ 0.09	\$ 0.14	\$ 0.16	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.63	\$ 0.72	\$ 0.81	\$ 0.90
Default Service Support Charge @ 0.139 ¢/kWh	\$ -	\$ 0.07	\$ 0.14	\$ 0.35	\$ 0.70	\$ 1.04	\$ 1.25	\$ 1.39	\$ 2.09	\$ 2.78	\$ 3.48	\$ 4.17	\$ 4.87	\$ 5.56	\$ 6.26	\$ 6.95
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Universal Service Charge @ 0.276 ¢/kWh	\$ -	\$ 0.14	\$ 0.28	\$ 0.69	\$ 1.38	\$ 2.07	\$ 2.48	\$ 2.76	\$ 4.14	\$ 5.52	\$ 6.90	\$ 8.28	\$ 9.66	\$ 11.04	\$ 12.42	\$ 13.80
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.630 ¢/kWh	\$ -	\$ 0.32	\$ 0.63	\$ 1.58	\$ 3.15	\$ 4.73	\$ 5.67	\$ 6.30	\$ 9.45	\$ 12.60	\$ 15.75	\$ 18.90	\$ 22.05	\$ 25.20	\$ 28.35	\$ 31.50
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total	\$ -	\$ 0.53	\$ 1.06	\$ 2.66	\$ 5.32	\$ 7.97	\$ 9.57	\$ 10.63	\$ 15.95	\$ 21.26	\$ 26.58	\$ 31.89	\$ 37.21	\$ 42.52	\$ 47.84	\$ 53.15
PTC Charge																
All kWh @ \$ 0.05748 /kWh	\$ -	\$ 2.87	\$ 5.75	\$ 14.37	\$ 28.74	\$ 43.11	\$ 51.73	\$ 57.48	\$ 86.22	\$ 114.96	\$ 143.70	\$ 172.44	\$ 201.18	\$ 229.92	\$ 258.66	\$ 287.40
Sub Total	\$ 12.71	\$ 17.88	\$ 23.04	\$ 38.55	\$ 64.38	\$ 90.22	\$ 105.72	\$ 116.05	\$ 167.72	\$ 219.39	\$ 271.06	\$ 322.73	\$ 374.40	\$ 426.07	\$ 477.74	\$ 529.41
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 12.71	\$ 17.88	\$ 23.04	\$ 38.55	\$ 64.38	\$ 90.22	\$ 105.72	\$ 116.05	\$ 167.72	\$ 219.39	\$ 271.06	\$ 322.73	\$ 374.40	\$ 426.07	\$ 477.74	\$ 529.41
% Increase	-4.22%	0.83%	3.86%	8.38%	11.27%	12.55%	13.03%	13.27%	14.06%	14.49%	14.75%	14.93%	15.06%	15.16%	15.23%	15.30%

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GS-SMALL
With Demands 1 - 5 KW
At Average Levels of kWh Use

<u>DEMAND</u>		0	1	1	1	1	1	1	1	3	3	3	3	3	5	5
Total kW		0	1	1	1	1	1	1	1	3	3	3	3	3	5	5
Hrs Use		0	100	200	300	400	500	600	730	100	200	300	400	500	100	200
<u>ENERGY USAGE</u>																
Monthly Energy Usage		0	100	200	300	400	500	600	730	300	600	900	1,200	1,500	500	1,000
Total Energy Usage		0	100	200	300	400	500	600	730	300	600	900	1,200	1,500	500	1,000

UNBUNDLED RATES - CURRENT

Distribution																
Distribution Charge @ \$14.44	\$	14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44
All kW @ \$4.357/kWh	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total	\$	14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 14.44	\$ 23.15
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$	-	\$ 0.02	\$ 0.04	\$ 0.05	\$ 0.07	\$ 0.09	\$ 0.11	\$ 0.13	\$ 0.05	\$ 0.11	\$ 0.16	\$ 0.22	\$ 0.27	\$ 0.09	\$ 0.18
Default Service Support Charge @ 0.028 ¢/kWh	\$	-	\$ 0.03	\$ 0.06	\$ 0.08	\$ 0.11	\$ 0.14	\$ 0.17	\$ 0.20	\$ 0.08	\$ 0.17	\$ 0.25	\$ 0.34	\$ 0.42	\$ 0.14	\$ 0.28
Consumer Education Charge @ 0.000 ¢/kWh	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency Charge @ 0.000 ¢/kWh	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$	-	\$ 0.12	\$ 0.24	\$ 0.37	\$ 0.49	\$ 0.61	\$ 0.73	\$ 0.89	\$ 0.37	\$ 0.73	\$ 1.10	\$ 1.46	\$ 1.83	\$ 0.61	\$ 1.22
Smart Meter Charge @ \$4.41	\$	4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41
Sub-Total	\$	4.41	\$ 4.58	\$ 4.75	\$ 4.91	\$ 5.08	\$ 5.25	\$ 5.42	\$ 5.64	\$ 4.91	\$ 5.42	\$ 5.92	\$ 6.43	\$ 6.93	\$ 5.25	\$ 6.09
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$	-	\$ 5.97	\$ 11.94	\$ 17.91	\$ 23.88	\$ 29.86	\$ 35.83	\$ 43.59	\$ 17.91	\$ 35.83	\$ 53.74	\$ 71.65	\$ 89.57	\$ 29.86	\$ 59.71
Sub Total	\$	18.85	\$ 24.99	\$ 31.13	\$ 37.27	\$ 43.41	\$ 49.55	\$ 55.68	\$ 63.66	\$ 37.27	\$ 55.68	\$ 74.10	\$ 92.52	\$ 110.94	\$ 58.26	\$ 88.95
STAS @ 0.00 %	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$	18.85	\$ 24.99	\$ 31.13	\$ 37.27	\$ 43.41	\$ 49.55	\$ 55.68	\$ 63.66	\$ 37.27	\$ 55.68	\$ 74.10	\$ 92.52	\$ 110.94	\$ 58.26	\$ 88.95

UNBUNDLED RATES - PROPOSED

Distribution																
Distribution Charge @ \$19.24	\$	19.24	\$ 19.24	\$ 19.24	\$ 19.24	\$ 19.24	\$ 19.24	\$ 19.24	\$ 19.24	\$ 19.24	\$ 19.24	\$ 19.24	\$ 19.24	\$ 19.24	\$ 19.24	\$ 19.24
All kWh @ 1.290 ¢/kWh	\$	-	\$ 1.29	\$ 2.58	\$ 3.87	\$ 5.16	\$ 6.45	\$ 7.74	\$ 9.42	\$ 3.87	\$ 7.74	\$ 11.61	\$ 15.48	\$ 19.35	\$ 6.45	\$ 12.90
Sub-Total	\$	19.24	\$ 20.53	\$ 21.82	\$ 23.11	\$ 24.40	\$ 25.69	\$ 26.98	\$ 28.66	\$ 23.11	\$ 26.98	\$ 30.85	\$ 34.72	\$ 38.59	\$ 25.69	\$ 32.14
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$	-	\$ 0.02	\$ 0.04	\$ 0.05	\$ 0.07	\$ 0.09	\$ 0.11	\$ 0.13	\$ 0.05	\$ 0.11	\$ 0.16	\$ 0.22	\$ 0.27	\$ 0.09	\$ 0.18
Default Service Support Charge @ 0.028 ¢/kWh	\$	-	\$ 0.03	\$ 0.06	\$ 0.08	\$ 0.11	\$ 0.14	\$ 0.17	\$ 0.20	\$ 0.08	\$ 0.17	\$ 0.25	\$ 0.34	\$ 0.42	\$ 0.14	\$ 0.28
Consumer Education Charge @ 0.000 ¢/kWh	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency Charge @ 0.000 ¢/kWh	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$	-	\$ 0.12	\$ 0.24	\$ 0.37	\$ 0.49	\$ 0.61	\$ 0.73	\$ 0.89	\$ 0.37	\$ 0.73	\$ 1.10	\$ 1.46	\$ 1.83	\$ 0.61	\$ 1.22
Smart Meter Charge @ \$0.00	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total	\$	-	\$ 0.17	\$ 0.34	\$ 0.50	\$ 0.67	\$ 0.84	\$ 1.01	\$ 1.23	\$ 0.50	\$ 1.01	\$ 1.51	\$ 2.02	\$ 2.52	\$ 0.84	\$ 1.68
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$	-	\$ 5.97	\$ 11.94	\$ 17.91	\$ 23.88	\$ 29.86	\$ 35.83	\$ 43.59	\$ 17.91	\$ 35.83	\$ 53.74	\$ 71.65	\$ 89.57	\$ 29.86	\$ 59.71
Sub Total	\$	19.24	\$ 26.67	\$ 34.10	\$ 41.53	\$ 48.96	\$ 56.39	\$ 63.81	\$ 73.47	\$ 41.53	\$ 63.81	\$ 86.10	\$ 108.39	\$ 130.68	\$ 56.39	\$ 93.53
STAS @ 0.00 %	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$	19.24	\$ 26.67	\$ 34.10	\$ 41.53	\$ 48.96	\$ 56.39	\$ 63.81	\$ 73.47	\$ 41.53	\$ 63.81	\$ 86.10	\$ 108.39	\$ 130.68	\$ 56.39	\$ 93.53
% Increase			2.07%	6.72%	9.54%	11.43%	12.79%	13.81%	14.60%	15.40%	11.43%	14.60%	16.19%	17.15%	17.79%	-3.22%

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GS-SMALL - OPTIONAL CONTROLLED/SEASONAL SERVICE vs RATE GS-SMALL
With Demands 1 - 5 KW
At Average Levels of kWh Use

DEMAND		1	1	1	1	1	1	1	3	3	3	3	3	5	5
Total kW	0	1	1	1	1	1	1	1	3	3	3	3	3	5	5
Hrs Use	0	100	200	300	400	500	600	730	100	200	300	400	500	100	200
ENERGY USAGE															
Monthly Energy Usage	0	100	200	300	400	500	600	730	300	600	900	1,200	1,500	500	1,000
Total Energy Usage	0	100	200	300	400	500	600	730	300	600	900	1,200	1,500	500	1,000

UNBUNDLED RATES - CURRENT

Distribution																
Distribution Charge @ \$7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87
All kWh @ 1.340 ¢/kWh	\$ -	\$ 1.34	\$ 2.68	\$ 4.02	\$ 5.36	\$ 6.70	\$ 8.04	\$ 9.78	\$ 4.02	\$ 8.04	\$ 12.06	\$ 16.08	\$ 20.10	\$ 6.70	\$ 13.40	
Sub-Total	\$ 7.87	\$ 9.21	\$ 10.55	\$ 11.89	\$ 13.23	\$ 14.57	\$ 15.91	\$ 17.65	\$ 11.89	\$ 15.91	\$ 19.93	\$ 23.95	\$ 27.97	\$ 14.57	\$ 21.27	
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.02	\$ 0.04	\$ 0.05	\$ 0.07	\$ 0.09	\$ 0.11	\$ 0.13	\$ 0.05	\$ 0.11	\$ 0.16	\$ 0.22	\$ 0.27	\$ 0.09	\$ 0.18	
Default Service Support Charge @ 0.028 ¢/kWh	\$ -	\$ 0.03	\$ 0.06	\$ 0.08	\$ 0.11	\$ 0.14	\$ 0.17	\$ 0.20	\$ 0.08	\$ 0.17	\$ 0.25	\$ 0.34	\$ 0.42	\$ 0.14	\$ 0.28	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 0.12	\$ 0.24	\$ 0.37	\$ 0.49	\$ 0.61	\$ 0.73	\$ 0.89	\$ 0.37	\$ 0.73	\$ 1.10	\$ 1.46	\$ 1.83	\$ 0.61	\$ 1.22	
Smart Meter Charge @ \$4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	
Sub-Total	\$ 4.41	\$ 4.58	\$ 4.75	\$ 4.91	\$ 5.08	\$ 5.25	\$ 5.42	\$ 5.64	\$ 4.91	\$ 5.42	\$ 5.92	\$ 6.43	\$ 6.93	\$ 5.25	\$ 6.09	
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 5.97	\$ 11.94	\$ 17.91	\$ 23.88	\$ 29.86	\$ 35.83	\$ 43.59	\$ 17.91	\$ 35.83	\$ 53.74	\$ 71.65	\$ 89.57	\$ 29.86	\$ 59.71	
Sub Total	\$ 12.28	\$ 19.76	\$ 27.24	\$ 34.72	\$ 42.20	\$ 49.68	\$ 57.15	\$ 66.88	\$ 34.72	\$ 57.15	\$ 79.59	\$ 102.03	\$ 124.47	\$ 49.68	\$ 87.07	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 12.28	\$ 19.76	\$ 27.24	\$ 34.72	\$ 42.20	\$ 49.68	\$ 57.15	\$ 66.88	\$ 34.72	\$ 57.15	\$ 79.59	\$ 102.03	\$ 124.47	\$ 49.68	\$ 87.07	

UNBUNDLED RATES - PROPOSED

Distribution																
Distribution Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
All kWh @ 1.290 ¢/kWh	\$ -	\$ 1.29	\$ 2.58	\$ 3.87	\$ 5.16	\$ 6.45	\$ 7.74	\$ 9.42	\$ 3.87	\$ 7.74	\$ 11.61	\$ 15.48	\$ 19.35	\$ 6.45	\$ 12.90	
Sub-Total	\$ -	\$ 1.29	\$ 2.58	\$ 3.87	\$ 5.16	\$ 6.45	\$ 7.74	\$ 9.42	\$ 3.87	\$ 7.74	\$ 11.61	\$ 15.48	\$ 19.35	\$ 6.45	\$ 12.90	
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.02	\$ 0.04	\$ 0.05	\$ 0.07	\$ 0.09	\$ 0.11	\$ 0.13	\$ 0.05	\$ 0.11	\$ 0.16	\$ 0.22	\$ 0.27	\$ 0.09	\$ 0.18	
Default Service Support Charge @ 0.028 ¢/kWh	\$ -	\$ 0.03	\$ 0.06	\$ 0.08	\$ 0.11	\$ 0.14	\$ 0.17	\$ 0.20	\$ 0.08	\$ 0.17	\$ 0.25	\$ 0.34	\$ 0.42	\$ 0.14	\$ 0.28	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 0.12	\$ 0.24	\$ 0.37	\$ 0.49	\$ 0.61	\$ 0.73	\$ 0.89	\$ 0.37	\$ 0.73	\$ 1.10	\$ 1.46	\$ 1.83	\$ 0.61	\$ 1.22	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ -	\$ 0.17	\$ 0.34	\$ 0.50	\$ 0.67	\$ 0.84	\$ 1.01	\$ 1.23	\$ 0.50	\$ 1.01	\$ 1.51	\$ 2.02	\$ 2.52	\$ 0.84	\$ 1.68	
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 5.97	\$ 11.94	\$ 17.91	\$ 23.88	\$ 29.86	\$ 35.83	\$ 43.59	\$ 17.91	\$ 35.83	\$ 53.74	\$ 71.65	\$ 89.57	\$ 29.86	\$ 59.71	
Sub Total	\$ -	\$ 7.43	\$ 14.86	\$ 22.29	\$ 29.72	\$ 37.15	\$ 44.57	\$ 54.23	\$ 22.29	\$ 44.57	\$ 66.86	\$ 89.15	\$ 111.44	\$ 37.15	\$ 74.29	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ -	\$ 7.43	\$ 14.86	\$ 22.29	\$ 29.72	\$ 37.15	\$ 44.57	\$ 54.23	\$ 22.29	\$ 44.57	\$ 66.86	\$ 89.15	\$ 111.44	\$ 37.15	\$ 74.29	
% Increase	-100.00%	-62.40%	-45.45%	-35.80%	-29.58%	-25.22%	-22.01%	-18.91%	-35.80%	-22.01%	-15.99%	-12.62%	-10.47%	-25.22%	-14.68%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GS-MEDIUM
With Demands 10 - 20 KW
At Average Levels of kWh Use

DEMAND		10	10	10	10	10	10	10	10	20	20	20	20	20	20	20
Total kW	0	10	10	10	10	10	10	10	10	20	20	20	20	20	20	20
Total kVA	0	10	10	10	10	10	10	10	10	21	21	21	21	21	21	21
Hrs Use	0	100	200	300	400	500	600	730	100	200	300	400	500	600	730	
REACTIVE DEMAND																
rkVA	0	2	2	2	2	2	2	2	5	5	5	5	5	5	5	5
ENERGY USAGE																
Monthly Energy Usage	0	1,000	2,000	3,000	4,000	5,000	6,000	7,300	2,000	4,000	6,000	8,000	10,000	12,000	14,600	
Total Energy Usage	0	1,000	2,000	3,000	4,000	5,000	6,000	7,300	2,000	4,000	6,000	8,000	10,000	12,000	14,600	

UNBUNDLED RATES - CURRENT

Distribution																
All kVA @ \$2.770/kVA	\$ -	\$ 28.53	\$ 28.53	\$ 28.53	\$ 28.53	\$ 28.53	\$ 28.53	\$ 28.53	\$ 28.53	\$ 57.05	\$ 57.05	\$ 57.05	\$ 57.05	\$ 57.05	\$ 57.05	\$ 57.05
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.18	\$ 0.36	\$ 0.54	\$ 0.72	\$ 0.90	\$ 1.08	\$ 1.31	\$ 0.36	\$ 0.72	\$ 1.08	\$ 1.44	\$ 1.80	\$ 2.16	\$ 2.63	
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.33	\$ 0.66	\$ 0.99	\$ 1.32	\$ 1.65	\$ 1.98	\$ 2.41	\$ 0.66	\$ 1.32	\$ 1.98	\$ 2.64	\$ 3.30	\$ 3.96	\$ 4.82	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 1.22	\$ 2.44	\$ 3.66	\$ 4.88	\$ 6.10	\$ 7.32	\$ 8.91	\$ 2.44	\$ 4.88	\$ 7.32	\$ 9.76	\$ 12.20	\$ 14.64	\$ 17.81	
Smart Meter Charge @ \$4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	
Sub-Total	\$ 4.41	\$ 6.14	\$ 7.87	\$ 9.60	\$ 11.33	\$ 13.06	\$ 14.79	\$ 17.04	\$ 7.87	\$ 11.33	\$ 14.79	\$ 18.25	\$ 21.71	\$ 25.17	\$ 29.67	
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 59.71	\$ 119.42	\$ 179.13	\$ 238.84	\$ 298.55	\$ 358.26	\$ 435.88	\$ 119.42	\$ 238.84	\$ 358.26	\$ 477.68	\$ 597.10	\$ 716.52	\$ 871.77	
Sub Total	\$ 4.41	\$ 94.38	\$ 155.82	\$ 217.26	\$ 278.70	\$ 340.14	\$ 401.58	\$ 481.45	\$ 184.34	\$ 307.22	\$ 430.10	\$ 552.98	\$ 675.86	\$ 798.74	\$ 958.49	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 4.41	\$ 94.38	\$ 155.82	\$ 217.26	\$ 278.70	\$ 340.14	\$ 401.58	\$ 481.45	\$ 184.34	\$ 307.22	\$ 430.10	\$ 552.98	\$ 675.86	\$ 798.74	\$ 958.49	

UNBUNDLED RATES - PROPOSED

Distribution																
Distribution Charge @ \$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17
All kW @ \$3.15/kW	\$ -	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	
All rkVA @ \$0.20 /rkVA	\$ -	\$ 0.49	\$ 0.49	\$ 0.49	\$ 0.49	\$ 0.49	\$ 0.49	\$ 0.49	\$ 0.98	\$ 0.98	\$ 0.98	\$ 0.98	\$ 0.98	\$ 0.98	\$ 0.98	
Sub-Total	\$ 19.17	\$ 51.16	\$ 51.16	\$ 51.16	\$ 51.16	\$ 51.16	\$ 51.16	\$ 51.16	\$ 83.15	\$ 83.15	\$ 83.15	\$ 83.15	\$ 83.15	\$ 83.15	\$ 83.15	
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.18	\$ 0.36	\$ 0.54	\$ 0.72	\$ 0.90	\$ 1.08	\$ 1.31	\$ 0.36	\$ 0.72	\$ 1.08	\$ 1.44	\$ 1.80	\$ 2.16	\$ 2.63	
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.33	\$ 0.66	\$ 0.99	\$ 1.32	\$ 1.65	\$ 1.98	\$ 2.41	\$ 0.66	\$ 1.32	\$ 1.98	\$ 2.64	\$ 3.30	\$ 3.96	\$ 4.82	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 1.22	\$ 2.44	\$ 3.66	\$ 4.88	\$ 6.10	\$ 7.32	\$ 8.91	\$ 2.44	\$ 4.88	\$ 7.32	\$ 9.76	\$ 12.20	\$ 14.64	\$ 17.81	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ -	\$ 1.73	\$ 3.46	\$ 5.19	\$ 6.92	\$ 8.65	\$ 10.38	\$ 12.63	\$ 3.46	\$ 6.92	\$ 10.38	\$ 13.84	\$ 17.30	\$ 20.76	\$ 25.26	
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 59.71	\$ 119.42	\$ 179.13	\$ 238.84	\$ 298.55	\$ 358.26	\$ 435.88	\$ 119.42	\$ 238.84	\$ 358.26	\$ 477.68	\$ 597.10	\$ 716.52	\$ 871.77	
Sub Total	\$ 19.17	\$ 112.60	\$ 174.04	\$ 235.48	\$ 296.92	\$ 358.36	\$ 419.80	\$ 499.67	\$ 206.03	\$ 328.91	\$ 451.79	\$ 574.67	\$ 697.55	\$ 820.43	\$ 980.18	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 19.17	\$ 112.60	\$ 174.04	\$ 235.48	\$ 296.92	\$ 358.36	\$ 419.80	\$ 499.67	\$ 206.03	\$ 328.91	\$ 451.79	\$ 574.67	\$ 697.55	\$ 820.43	\$ 980.18	
% Increase	334.69%	19.31%	11.70%	8.39%	6.54%	5.36%	4.54%	3.79%	11.77%	7.06%	5.04%	3.92%	3.21%	2.72%	2.26%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GS-MEDIUM
 With Demands 25 - 50 kW
 At Average Levels of kWh Use

DEMAND	25	25	25	25	25	50	50	50	50	75	75	75	75	100	100	100	100
Total kW	25	25	25	25	25	50	50	50	50	75	75	75	75	100	100	100	100
Total kVA	26	26	26	26	26	51	51	51	51	77	77	77	77	103	103	103	103
Hrs Use	0	100	300	500	730	100	300	500	730	100	300	500	730	100	300	500	730
REACTIVE DEMAND																	
rkVA	6	6	6	6	6	12	12	12	12	18	18	18	18	25	25	25	25
ENERGY USAGE																	
Monthly Energy Usage	0	2,500	7,500	12,500	18,250	5,000	15,000	25,000	36,500	7,500	22,500	37,500	54,750	10,000	30,000	50,000	73,000
Total Energy Usage	0	2,500	7,500	12,500	18,250	5,000	15,000	25,000	36,500	7,500	22,500	37,500	54,750	10,000	30,000	50,000	73,000

UNBUNDLED RATES - CURRENT

Distribution																		
All kVA @ \$2.770/kVA	\$ 71.31	\$ 71.31	\$ 71.31	\$ 71.31	\$ 71.31	\$ 142.63	\$ 142.63	\$ 142.63	\$ 142.63	\$ 213.94	\$ 213.94	\$ 213.94	\$ 213.94	\$ 285.26	\$ 285.26	\$ 285.26	\$ 285.26	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.45	\$ 1.35	\$ 2.25	\$ 3.29	\$ 0.90	\$ 2.70	\$ 4.50	\$ 6.57	\$ 1.35	\$ 4.05	\$ 6.75	\$ 9.86	\$ 1.80	\$ 5.40	\$ 9.00	\$ 13.14	
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.83	\$ 2.48	\$ 4.13	\$ 6.02	\$ 1.65	\$ 4.95	\$ 8.25	\$ 12.05	\$ 2.48	\$ 7.43	\$ 12.38	\$ 18.07	\$ 3.30	\$ 9.90	\$ 16.50	\$ 24.09	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 3.05	\$ 9.15	\$ 15.25	\$ 22.27	\$ 6.10	\$ 18.30	\$ 30.50	\$ 44.53	\$ 9.15	\$ 27.45	\$ 45.75	\$ 66.80	\$ 12.20	\$ 36.60	\$ 61.00	\$ 89.06	
Smart Meter Charge @ \$4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	
Sub-Total	\$ 4.41	\$ 8.74	\$ 17.39	\$ 26.04	\$ 35.98	\$ 13.06	\$ 30.36	\$ 47.66	\$ 67.56	\$ 17.39	\$ 43.34	\$ 69.29	\$ 99.13	\$ 21.71	\$ 56.31	\$ 90.91	\$ 130.70	
PTC Charge																		
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 149.28	\$ 447.83	\$ 746.38	\$ 1,089.71	\$ 298.55	\$ 895.65	\$ 1,492.75	\$ 2,179.42	\$ 447.83	\$ 1,343.48	\$ 2,239.13	\$ 3,269.12	\$ 597.10	\$ 1,791.30	\$ 2,985.50	\$ 4,358.83	
Sub Total	\$ 75.72	\$ 229.32	\$ 536.52	\$ 843.72	\$ 1,197.00	\$ 454.24	\$ 1,068.64	\$ 1,683.04	\$ 2,389.60	\$ 679.15	\$ 1,600.75	\$ 2,522.35	\$ 3,582.19	\$ 904.07	\$ 2,132.87	\$ 3,361.67	\$ 4,774.79	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 75.72	\$ 229.32	\$ 536.52	\$ 843.72	\$ 1,197.00	\$ 454.24	\$ 1,068.64	\$ 1,683.04	\$ 2,389.60	\$ 679.15	\$ 1,600.75	\$ 2,522.35	\$ 3,582.19	\$ 904.07	\$ 2,132.87	\$ 3,361.67	\$ 4,774.79	

UNBUNDLED RATES - PROPOSED

Distribution																		
Distribution Charge @ \$19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	
All kW @ \$3.15/kW	\$ 78.75	\$ 78.75	\$ 78.75	\$ 78.75	\$ 78.75	\$ 157.50	\$ 157.50	\$ 157.50	\$ 157.50	\$ 236.25	\$ 236.25	\$ 236.25	\$ 236.25	\$ 315.00	\$ 315.00	\$ 315.00	\$ 315.00	
All rkVA @ \$0.20 /rkVA	\$ 1.23	\$ 1.23	\$ 1.23	\$ 1.23	\$ 1.23	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 3.69	\$ 3.69	\$ 3.69	\$ 3.69	\$ 4.92	\$ 4.92	\$ 4.92	\$ 4.92	
Sub-Total	\$ 99.15	\$ 99.15	\$ 99.15	\$ 99.15	\$ 99.15	\$ 179.13	\$ 179.13	\$ 179.13	\$ 179.13	\$ 259.11	\$ 259.11	\$ 259.11	\$ 259.11	\$ 339.09	\$ 339.09	\$ 339.09	\$ 339.09	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.45	\$ 1.35	\$ 2.25	\$ 3.29	\$ 0.90	\$ 2.70	\$ 4.50	\$ 6.57	\$ 1.35	\$ 4.05	\$ 6.75	\$ 9.86	\$ 1.80	\$ 5.40	\$ 9.00	\$ 13.14	
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.83	\$ 2.48	\$ 4.13	\$ 6.02	\$ 1.65	\$ 4.95	\$ 8.25	\$ 12.05	\$ 2.48	\$ 7.43	\$ 12.38	\$ 18.07	\$ 3.30	\$ 9.90	\$ 16.50	\$ 24.09	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 3.05	\$ 9.15	\$ 15.25	\$ 22.27	\$ 6.10	\$ 18.30	\$ 30.50	\$ 44.53	\$ 9.15	\$ 27.45	\$ 45.75	\$ 66.80	\$ 12.20	\$ 36.60	\$ 61.00	\$ 89.06	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ -	\$ 4.33	\$ 12.98	\$ 21.63	\$ 31.57	\$ 8.65	\$ 25.95	\$ 43.25	\$ 63.15	\$ 12.98	\$ 38.93	\$ 64.88	\$ 94.72	\$ 17.30	\$ 51.90	\$ 86.50	\$ 126.29	
PTC Charge																		
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 149.28	\$ 447.83	\$ 746.38	\$ 1,089.71	\$ 298.55	\$ 895.65	\$ 1,492.75	\$ 2,179.42	\$ 447.83	\$ 1,343.48	\$ 2,239.13	\$ 3,269.12	\$ 597.10	\$ 1,791.30	\$ 2,985.50	\$ 4,358.83	
Sub Total	\$ 99.15	\$ 252.75	\$ 559.95	\$ 867.15	\$ 1,220.43	\$ 486.33	\$ 1,100.73	\$ 1,715.13	\$ 2,421.69	\$ 719.91	\$ 1,641.51	\$ 2,563.11	\$ 3,622.95	\$ 953.49	\$ 2,182.29	\$ 3,411.09	\$ 4,824.21	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 99.15	\$ 252.75	\$ 559.95	\$ 867.15	\$ 1,220.43	\$ 486.33	\$ 1,100.73	\$ 1,715.13	\$ 2,421.69	\$ 719.91	\$ 1,641.51	\$ 2,563.11	\$ 3,622.95	\$ 953.49	\$ 2,182.29	\$ 3,411.09	\$ 4,824.21	
% Increase	30.94%	10.22%	4.37%	2.78%	1.96%	7.06%	3.00%	1.91%	1.34%	6.00%	2.55%	1.62%	1.14%	5.47%	2.32%	1.47%	1.04%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GS-MEDIUM
With Demands 250 - 400 KW
At Average Levels of kWh Use

DEMAND	250	250	250	250	250	250	250	250	400	400	400	400	400	400	400
Total kW	250	250	250	250	250	250	250	250	400	400	400	400	400	400	400
Total kVA	257	257	257	257	257	257	257	257	412	412	412	412	412	412	412
Hrs Use	0	100	200	300	400	500	600	730	100	200	300	400	500	600	730
REACTIVE DEMAND															
rkVA	61	61	61	61	61	61	61	61	98	98	98	98	98	98	98
ENERGY USAGE															
Monthly Energy Usage	0	25,000	50,000	75,000	100,000	125,000	150,000	182,500	40,000	80,000	120,000	160,000	200,000	240,000	292,000
Total Energy Usage	0	25,000	50,000	75,000	100,000	125,000	150,000	182,500	40,000	80,000	120,000	160,000	200,000	240,000	292,000

UNBUNDLED RATES - CURRENT

Distribution																
All kVA @ \$2.770/kVA	\$ 713.14	\$ 713.14	\$ 713.14	\$ 713.14	\$ 713.14	\$ 713.14	\$ 713.14	\$ 713.14	\$ 713.14	\$ 1,141.02	\$ 1,141.02	\$ 1,141.02	\$ 1,141.02	\$ 1,141.02	\$ 1,141.02	\$ 1,141.02
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 4.50	\$ 9.00	\$ 13.50	\$ 18.00	\$ 22.50	\$ 27.00	\$ 32.85	\$ 7.20	\$ 14.40	\$ 21.60	\$ 28.80	\$ 36.00	\$ 43.20	\$ 52.56	\$ 63.66
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 8.25	\$ 16.50	\$ 24.75	\$ 33.00	\$ 41.25	\$ 49.50	\$ 60.23	\$ 13.20	\$ 26.40	\$ 39.60	\$ 52.80	\$ 66.00	\$ 79.20	\$ 96.36	\$ 115.62
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 30.50	\$ 61.00	\$ 91.50	\$ 122.00	\$ 152.50	\$ 183.00	\$ 222.65	\$ 48.80	\$ 97.60	\$ 146.40	\$ 195.20	\$ 244.00	\$ 292.80	\$ 356.24	\$ 427.48
Smart Meter Charge @ \$4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41
Sub-Total	\$ 4.41	\$ 47.66	\$ 90.91	\$ 134.16	\$ 177.41	\$ 220.66	\$ 263.91	\$ 320.14	\$ 73.61	\$ 142.81	\$ 212.01	\$ 281.21	\$ 350.41	\$ 419.61	\$ 509.57	\$ 615.37
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 1,492.75	\$ 2,985.50	\$ 4,478.25	\$ 5,971.00	\$ 7,463.75	\$ 8,956.50	\$ 10,897.08	\$ 2,388.40	\$ 4,776.80	\$ 7,165.20	\$ 9,553.60	\$ 11,942.00	\$ 14,330.40	\$ 17,435.32	\$ 21,122.88
Sub Total	\$ 717.55	\$ 2,253.55	\$ 3,789.55	\$ 5,325.55	\$ 6,861.55	\$ 8,397.55	\$ 9,933.55	\$ 11,930.35	\$ 3,603.03	\$ 6,060.63	\$ 8,518.23	\$ 10,975.83	\$ 13,433.43	\$ 15,891.03	\$ 19,085.91	\$ 22,748.29
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 717.55	\$ 2,253.55	\$ 3,789.55	\$ 5,325.55	\$ 6,861.55	\$ 8,397.55	\$ 9,933.55	\$ 11,930.35	\$ 3,603.03	\$ 6,060.63	\$ 8,518.23	\$ 10,975.83	\$ 13,433.43	\$ 15,891.03	\$ 19,085.91	\$ 22,748.29

UNBUNDLED RATES - PROPOSED

Distribution																
Distribution Charge @ \$19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17
All kW @ \$3.15/kW	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 1,260.00	\$ 1,260.00	\$ 1,260.00	\$ 1,260.00	\$ 1,260.00	\$ 1,260.00	\$ 1,260.00
All rkVA @ \$0.20 /rkVA	\$ 12.30	\$ 12.30	\$ 12.30	\$ 12.30	\$ 12.30	\$ 12.30	\$ 12.30	\$ 12.30	\$ 12.30	\$ 19.68	\$ 19.68	\$ 19.68	\$ 19.68	\$ 19.68	\$ 19.68	\$ 19.68
Sub-Total	\$ 818.97	\$ 818.97	\$ 818.97	\$ 818.97	\$ 818.97	\$ 818.97	\$ 818.97	\$ 818.97	\$ 818.97	\$ 1,298.85	\$ 1,298.85	\$ 1,298.85	\$ 1,298.85	\$ 1,298.85	\$ 1,298.85	\$ 1,298.85
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 4.50	\$ 9.00	\$ 13.50	\$ 18.00	\$ 22.50	\$ 27.00	\$ 32.85	\$ 7.20	\$ 14.40	\$ 21.60	\$ 28.80	\$ 36.00	\$ 43.20	\$ 52.56	\$ 63.66
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 8.25	\$ 16.50	\$ 24.75	\$ 33.00	\$ 41.25	\$ 49.50	\$ 60.23	\$ 13.20	\$ 26.40	\$ 39.60	\$ 52.80	\$ 66.00	\$ 79.20	\$ 96.36	\$ 115.62
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 30.50	\$ 61.00	\$ 91.50	\$ 122.00	\$ 152.50	\$ 183.00	\$ 222.65	\$ 48.80	\$ 97.60	\$ 146.40	\$ 195.20	\$ 244.00	\$ 292.80	\$ 356.24	\$ 427.48
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total	\$ -	\$ 43.25	\$ 86.50	\$ 129.75	\$ 173.00	\$ 216.25	\$ 259.50	\$ 315.73	\$ 69.20	\$ 138.40	\$ 207.60	\$ 276.80	\$ 346.00	\$ 415.20	\$ 505.16	\$ 615.37
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 1,492.75	\$ 2,985.50	\$ 4,478.25	\$ 5,971.00	\$ 7,463.75	\$ 8,956.50	\$ 10,897.08	\$ 2,388.40	\$ 4,776.80	\$ 7,165.20	\$ 9,553.60	\$ 11,942.00	\$ 14,330.40	\$ 17,435.32	\$ 21,122.88
Sub Total	\$ 818.97	\$ 2,354.97	\$ 3,890.97	\$ 5,426.97	\$ 6,962.97	\$ 8,498.97	\$ 10,034.97	\$ 12,031.77	\$ 3,756.45	\$ 6,214.05	\$ 8,671.65	\$ 11,129.25	\$ 13,586.85	\$ 16,044.45	\$ 19,239.33	\$ 22,748.29
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 818.97	\$ 2,354.97	\$ 3,890.97	\$ 5,426.97	\$ 6,962.97	\$ 8,498.97	\$ 10,034.97	\$ 12,031.77	\$ 3,756.45	\$ 6,214.05	\$ 8,671.65	\$ 11,129.25	\$ 13,586.85	\$ 16,044.45	\$ 19,239.33	\$ 22,748.29
% Increase	14.13%	4.50%	2.68%	1.90%	1.48%	1.21%	1.02%	0.85%	4.26%	2.53%	1.80%	1.40%	1.14%	0.97%	0.80%	0.60%

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GS-MEDIUM - OPTIONAL CONTROLLED/SEASONAL SERVICE vs GS-MEDIUM
With Demands 10 - 20 KW
At Average Levels of kWh Use

<u>DEMAND</u>	0	10	10	10	10	10	10	10	20	20	20	20	20	20	20
Total kW	0	10	10	10	10	10	10	10	20	20	20	20	20	20	20
Hrs Use	0	100	200	300	400	500	600	730	100	200	300	400	500	600	730
<u>REACTIVE DEMAND</u>															
rkVA	0	2	2	2	2	2	2	2	5	5	5	5	5	5	5
<u>ENERGY USAGE</u>															
Monthly Energy Usage	0	1,000	2,000	3,000	4,000	5,000	6,000	7,300	2,000	4,000	6,000	8,000	10,000	12,000	14,600
Total Energy Usage	0	1,000	2,000	3,000	4,000	5,000	6,000	7,300	2,000	4,000	6,000	8,000	10,000	12,000	14,600

UNBUNDLED RATES - CURRENT

<u>Distribution</u>																
Distribution Charge @ \$7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87
All kWh @ 0.857 ¢/kWh	\$ -	\$ 8.57	\$ 17.14	\$ 25.71	\$ 34.28	\$ 42.85	\$ 51.42	\$ 62.56	\$ 70.43	\$ 78.29	\$ 86.15	\$ 94.02	\$ 101.89	\$ 109.76	\$ 117.63	\$ 125.50
Sub-Total	\$ 7.87	\$ 16.44	\$ 25.01	\$ 33.58	\$ 42.15	\$ 50.72	\$ 59.29	\$ 67.86	\$ 76.43	\$ 85.00	\$ 93.57	\$ 102.14	\$ 110.71	\$ 119.28	\$ 127.85	\$ 136.42
<u>Riders</u>																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.18	\$ 0.36	\$ 0.54	\$ 0.72	\$ 0.90	\$ 1.08	\$ 1.31	\$ 1.54	\$ 1.77	\$ 2.00	\$ 2.23	\$ 2.46	\$ 2.69	\$ 2.92	\$ 3.15
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.33	\$ 0.66	\$ 0.99	\$ 1.32	\$ 1.65	\$ 1.98	\$ 2.41	\$ 2.84	\$ 3.27	\$ 3.70	\$ 4.13	\$ 4.56	\$ 4.99	\$ 5.42	\$ 5.85
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 1.22	\$ 2.44	\$ 3.66	\$ 4.88	\$ 6.10	\$ 7.32	\$ 8.54	\$ 9.76	\$ 10.98	\$ 12.20	\$ 13.42	\$ 14.64	\$ 15.86	\$ 17.08	\$ 18.30
Smart Meter Charge @ \$4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41
Sub-Total	\$ 4.41	\$ 6.14	\$ 7.87	\$ 9.60	\$ 11.33	\$ 13.06	\$ 14.79	\$ 17.04	\$ 19.29	\$ 21.54	\$ 23.79	\$ 26.04	\$ 28.29	\$ 30.54	\$ 32.79	\$ 35.04
<u>PTC Charge</u>																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 59.71	\$ 119.42	\$ 179.13	\$ 238.84	\$ 298.55	\$ 358.26	\$ 435.88	\$ 513.50	\$ 591.12	\$ 668.74	\$ 746.36	\$ 823.98	\$ 901.60	\$ 979.22	\$ 1056.84
Sub Total	\$ 12.28	\$ 82.29	\$ 152.30	\$ 222.31	\$ 292.32	\$ 362.33	\$ 432.34	\$ 523.35	\$ 613.36	\$ 703.37	\$ 793.38	\$ 883.39	\$ 973.40	\$ 1063.41	\$ 1153.42	\$ 1243.43
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 12.28	\$ 82.29	\$ 152.30	\$ 222.31	\$ 292.32	\$ 362.33	\$ 432.34	\$ 523.35	\$ 613.36	\$ 703.37	\$ 793.38	\$ 883.39	\$ 973.40	\$ 1063.41	\$ 1153.42	\$ 1243.43

UNBUNDLED RATES - PROPOSED

<u>Distribution</u>																
Distribution Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
All kWh @ \$3.15/kWh	\$ -	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50
All rkVA @ \$0.20 /rkVA	\$ -	\$ 0.49	\$ 0.49	\$ 0.49	\$ 0.49	\$ 0.49	\$ 0.49	\$ 0.49	\$ 0.98	\$ 0.98	\$ 0.98	\$ 0.98	\$ 0.98	\$ 0.98	\$ 0.98	\$ 0.98
Sub-Total	\$ -	\$ 31.99	\$ 31.99	\$ 31.99	\$ 31.99	\$ 31.99	\$ 31.99	\$ 31.99	\$ 32.97	\$ 32.97	\$ 32.97	\$ 32.97	\$ 32.97	\$ 32.97	\$ 32.97	\$ 32.97
<u>Riders</u>																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.18	\$ 0.36	\$ 0.54	\$ 0.72	\$ 0.90	\$ 1.08	\$ 1.31	\$ 1.54	\$ 1.77	\$ 2.00	\$ 2.23	\$ 2.46	\$ 2.69	\$ 2.92	\$ 3.15
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.33	\$ 0.66	\$ 0.99	\$ 1.32	\$ 1.65	\$ 1.98	\$ 2.41	\$ 2.84	\$ 3.27	\$ 3.70	\$ 4.13	\$ 4.56	\$ 4.99	\$ 5.42	\$ 5.85
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 1.22	\$ 2.44	\$ 3.66	\$ 4.88	\$ 6.10	\$ 7.32	\$ 8.54	\$ 9.76	\$ 10.98	\$ 12.20	\$ 13.42	\$ 14.64	\$ 15.86	\$ 17.08	\$ 18.30
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total	\$ -	\$ 1.73	\$ 3.46	\$ 5.19	\$ 6.92	\$ 8.65	\$ 10.38	\$ 12.63	\$ 14.88	\$ 17.13	\$ 19.38	\$ 21.63	\$ 23.88	\$ 26.13	\$ 28.38	\$ 30.63
<u>PTC Charge</u>																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 59.71	\$ 119.42	\$ 179.13	\$ 238.84	\$ 298.55	\$ 358.26	\$ 435.88	\$ 513.50	\$ 591.12	\$ 668.74	\$ 746.36	\$ 823.98	\$ 901.60	\$ 979.22	\$ 1056.84
Sub Total	\$ -	\$ 93.43	\$ 154.87	\$ 216.31	\$ 277.75	\$ 339.19	\$ 400.63	\$ 480.50	\$ 560.37	\$ 640.24	\$ 720.11	\$ 800.00	\$ 879.87	\$ 959.74	\$ 1039.61	\$ 1119.48
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ -	\$ 93.43	\$ 154.87	\$ 216.31	\$ 277.75	\$ 339.19	\$ 400.63	\$ 480.50	\$ 560.37	\$ 640.24	\$ 720.11	\$ 800.00	\$ 879.87	\$ 959.74	\$ 1039.61	\$ 1119.48
% Increase	-100.00%	13.54%	1.69%	-2.70%	-4.98%	-6.39%	-7.33%	-8.19%	22.69%	5.96%	0.07%	-2.95%	-4.77%	-6.00%	-7.10%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GS-MEDIUM - OPTIONAL CONTROLLED/SEASONAL SERVICE vs GS-MEDIUM
 With Demands 25 - 50 KW
 At Average Levels of kWh Use

DEMAND	25	25	25	25	25	50	50	50	50	75	75	75	75	100	100	100	100
Total kW	25	25	25	25	25	50	50	50	50	75	75	75	75	100	100	100	100
Hrs Use	0	100	300	500	730	100	300	500	730	100	300	500	730	100	300	500	730
REACTIVE DEMAND																	
rKVA	6	6	6	6	6	12	12	12	12	18	18	18	18	25	25	25	25
ENERGY USAGE																	
Monthly Energy Usage	0	2,500	7,500	12,500	18,250	5,000	15,000	25,000	36,500	7,500	22,500	37,500	54,750	10,000	30,000	50,000	73,000
Total Energy Usage	0	2,500	7,500	12,500	18,250	5,000	15,000	25,000	36,500	7,500	22,500	37,500	54,750	10,000	30,000	50,000	73,000

UNBUNDLED RATES - CURRENT

Distribution																		
Distribution Charge @ \$7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87
All kWh @ 0.857 ¢/kWh	\$ -	\$ 21.43	\$ 64.28	\$ 107.13	\$ 156.40	\$ 42.85	\$ 128.55	\$ 214.25	\$ 312.81	\$ 64.28	\$ 192.83	\$ 321.38	\$ 469.21	\$ 85.70	\$ 257.10	\$ 428.50	\$ 625.61	
Sub-Total	\$ 7.87	\$ 29.30	\$ 72.15	\$ 115.00	\$ 164.27	\$ 50.72	\$ 136.42	\$ 222.12	\$ 320.68	\$ 72.15	\$ 200.70	\$ 329.25	\$ 477.08	\$ 93.57	\$ 264.97	\$ 436.37	\$ 633.48	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.45	\$ 1.35	\$ 2.25	\$ 3.29	\$ 0.90	\$ 2.70	\$ 4.50	\$ 6.57	\$ 1.35	\$ 4.05	\$ 6.75	\$ 9.86	\$ 1.80	\$ 5.40	\$ 9.00	\$ 13.14	
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.83	\$ 2.48	\$ 4.13	\$ 6.02	\$ 1.65	\$ 4.95	\$ 8.25	\$ 12.05	\$ 2.48	\$ 7.43	\$ 12.38	\$ 18.07	\$ 3.30	\$ 9.90	\$ 16.50	\$ 24.09	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 3.05	\$ 9.15	\$ 15.25	\$ 22.27	\$ 6.10	\$ 18.30	\$ 30.50	\$ 44.53	\$ 9.15	\$ 27.45	\$ 45.75	\$ 66.80	\$ 12.20	\$ 36.60	\$ 61.00	\$ 89.06	
Smart Meter Charge @ \$4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	
Sub-Total	\$ 4.41	\$ 8.74	\$ 17.39	\$ 26.04	\$ 35.98	\$ 13.06	\$ 30.36	\$ 47.66	\$ 67.56	\$ 17.39	\$ 43.34	\$ 69.29	\$ 99.13	\$ 21.71	\$ 56.31	\$ 90.91	\$ 130.70	
PTC Charge																		
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 149.28	\$ 447.83	\$ 746.38	\$ 1,089.71	\$ 298.55	\$ 895.65	\$ 1,492.75	\$ 2,179.42	\$ 447.83	\$ 1,343.48	\$ 2,239.13	\$ 3,269.12	\$ 597.10	\$ 1,791.30	\$ 2,985.50	\$ 4,358.83	
Sub Total	\$ 12.28	\$ 187.31	\$ 537.36	\$ 887.41	\$ 1,289.96	\$ 362.33	\$ 1,062.43	\$ 1,762.53	\$ 2,567.65	\$ 537.36	\$ 1,587.51	\$ 2,637.66	\$ 3,845.33	\$ 712.38	\$ 2,112.58	\$ 3,512.78	\$ 5,123.01	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 12.28	\$ 187.31	\$ 537.36	\$ 887.41	\$ 1,289.96	\$ 362.33	\$ 1,062.43	\$ 1,762.53	\$ 2,567.65	\$ 537.36	\$ 1,587.51	\$ 2,637.66	\$ 3,845.33	\$ 712.38	\$ 2,112.58	\$ 3,512.78	\$ 5,123.01	

UNBUNDLED RATES - PROPOSED

Distribution																		
Distribution Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
All kW @ \$3.15/kW	\$ 78.75	\$ 78.75	\$ 78.75	\$ 78.75	\$ 78.75	\$ 157.50	\$ 157.50	\$ 157.50	\$ 157.50	\$ 236.25	\$ 236.25	\$ 236.25	\$ 236.25	\$ 315.00	\$ 315.00	\$ 315.00	\$ 315.00	
All rKVA @ \$0.20 /rKVA	\$ 1.23	\$ 1.23	\$ 1.23	\$ 1.23	\$ 1.23	\$ 2.46	\$ 2.46	\$ 2.46	\$ 2.46	\$ 3.69	\$ 3.69	\$ 3.69	\$ 3.69	\$ 4.92	\$ 4.92	\$ 4.92	\$ 4.92	
Sub-Total	\$ 79.98	\$ 79.98	\$ 79.98	\$ 79.98	\$ 79.98	\$ 159.96	\$ 159.96	\$ 159.96	\$ 159.96	\$ 239.94	\$ 239.94	\$ 239.94	\$ 239.94	\$ 319.92	\$ 319.92	\$ 319.92	\$ 319.92	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.45	\$ 1.35	\$ 2.25	\$ 3.29	\$ 0.90	\$ 2.70	\$ 4.50	\$ 6.57	\$ 1.35	\$ 4.05	\$ 6.75	\$ 9.86	\$ 1.80	\$ 5.40	\$ 9.00	\$ 13.14	
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.83	\$ 2.48	\$ 4.13	\$ 6.02	\$ 1.65	\$ 4.95	\$ 8.25	\$ 12.05	\$ 2.48	\$ 7.43	\$ 12.38	\$ 18.07	\$ 3.30	\$ 9.90	\$ 16.50	\$ 24.09	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 3.05	\$ 9.15	\$ 15.25	\$ 22.27	\$ 6.10	\$ 18.30	\$ 30.50	\$ 44.53	\$ 9.15	\$ 27.45	\$ 45.75	\$ 66.80	\$ 12.20	\$ 36.60	\$ 61.00	\$ 89.06	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ -	\$ 4.33	\$ 12.98	\$ 21.63	\$ 31.57	\$ 8.65	\$ 25.95	\$ 43.25	\$ 63.15	\$ 12.98	\$ 38.93	\$ 64.88	\$ 94.72	\$ 17.30	\$ 51.90	\$ 86.50	\$ 126.29	
PTC Charge																		
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 149.28	\$ 447.83	\$ 746.38	\$ 1,089.71	\$ 298.55	\$ 895.65	\$ 1,492.75	\$ 2,179.42	\$ 447.83	\$ 1,343.48	\$ 2,239.13	\$ 3,269.12	\$ 597.10	\$ 1,791.30	\$ 2,985.50	\$ 4,358.83	
Sub Total	\$ 79.98	\$ 233.58	\$ 540.78	\$ 847.98	\$ 1,201.26	\$ 467.16	\$ 1,081.56	\$ 1,695.96	\$ 2,402.52	\$ 700.74	\$ 1,622.34	\$ 2,543.94	\$ 3,603.78	\$ 934.32	\$ 2,163.12	\$ 3,391.92	\$ 4,805.04	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 79.98	\$ 233.58	\$ 540.78	\$ 847.98	\$ 1,201.26	\$ 467.16	\$ 1,081.56	\$ 1,695.96	\$ 2,402.52	\$ 700.74	\$ 1,622.34	\$ 2,543.94	\$ 3,603.78	\$ 934.32	\$ 2,163.12	\$ 3,391.92	\$ 4,805.04	
% Increase	551.30%	24.71%	0.64%	-4.44%	-6.88%	28.93%	1.80%	-3.78%	-6.43%	30.41%	2.19%	-3.55%	-6.28%	31.15%	2.39%	-3.44%	-6.21%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GS-MEDIUM - OPTIONAL CONTROLLED/SEASONAL SERVICE vs GS-MEDIUM
 With Demands 250 - 400 KW
 At Average Levels of kWh Use

DEMAND																
Total kW	250	250	250	250	250	250	250	250	400	400	400	400	400	400	400	400
Hrs Use	0	100	200	300	400	500	600	730	100	200	300	400	500	600	730	
REACTIVE DEMAND																
rKVA	61	61	61	61	61	61	61	61	98	98	98	98	98	98	98	
ENERGY USAGE																
Monthly Energy Usage	0	25,000	50,000	75,000	100,000	125,000	150,000	182,500	40,000	80,000	120,000	160,000	200,000	240,000	292,000	
Total Energy Usage	0	25,000	50,000	75,000	100,000	125,000	150,000	182,500	40,000	80,000	120,000	160,000	200,000	240,000	292,000	

UNBUNDLED RATES - CURRENT

Distribution																
Distribution Charge @ \$7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87
All kWh @ 0.857 ¢/kWh	\$ -	\$ 214.25	\$ 428.50	\$ 642.75	\$ 857.00	\$ 1,071.25	\$ 1,285.50	\$ 1,564.03	\$ 342.80	\$ 685.60	\$ 1,028.40	\$ 1,371.20	\$ 1,714.00	\$ 2,056.80	\$ 2,502.44	
Sub-Total	\$ 7.87	\$ 222.12	\$ 436.37	\$ 650.62	\$ 864.87	\$ 1,079.12	\$ 1,293.37	\$ 1,571.90	\$ 350.67	\$ 693.47	\$ 1,036.27	\$ 1,379.07	\$ 1,721.87	\$ 2,064.67	\$ 2,510.31	
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 4.50	\$ 9.00	\$ 13.50	\$ 18.00	\$ 22.50	\$ 27.00	\$ 32.85	\$ 7.20	\$ 14.40	\$ 21.60	\$ 28.80	\$ 36.00	\$ 43.20	\$ 52.56	
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 8.25	\$ 16.50	\$ 24.75	\$ 33.00	\$ 41.25	\$ 49.50	\$ 60.23	\$ 13.20	\$ 26.40	\$ 39.60	\$ 52.80	\$ 66.00	\$ 79.20	\$ 96.36	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 30.50	\$ 61.00	\$ 91.50	\$ 122.00	\$ 152.50	\$ 183.00	\$ 222.65	\$ 48.80	\$ 97.60	\$ 146.40	\$ 195.20	\$ 244.00	\$ 292.80	\$ 356.24	
Smart Meter Charge @ \$4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	
Sub-Total	\$ 4.41	\$ 47.66	\$ 90.91	\$ 134.16	\$ 177.41	\$ 220.66	\$ 263.91	\$ 320.14	\$ 73.61	\$ 142.81	\$ 212.01	\$ 281.21	\$ 350.41	\$ 419.61	\$ 509.57	
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 1,492.75	\$ 2,985.50	\$ 4,478.25	\$ 5,971.00	\$ 7,463.75	\$ 8,956.50	\$ 10,897.08	\$ 2,388.40	\$ 4,776.80	\$ 7,165.20	\$ 9,553.60	\$ 11,942.00	\$ 14,330.40	\$ 17,435.32	
Sub Total	\$ 12.28	\$ 1,762.53	\$ 3,512.78	\$ 5,263.03	\$ 7,013.28	\$ 8,763.53	\$ 10,513.78	\$ 12,789.11	\$ 2,812.68	\$ 5,613.08	\$ 8,413.48	\$ 11,213.88	\$ 14,014.28	\$ 16,814.68	\$ 20,455.20	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 12.28	\$ 1,762.53	\$ 3,512.78	\$ 5,263.03	\$ 7,013.28	\$ 8,763.53	\$ 10,513.78	\$ 12,789.11	\$ 2,812.68	\$ 5,613.08	\$ 8,413.48	\$ 11,213.88	\$ 14,014.28	\$ 16,814.68	\$ 20,455.20	

UNBUNDLED RATES - PROPOSED

Distribution																
Distribution Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
All kW @ \$3.15/kW	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 1,260.00	\$ 1,260.00	\$ 1,260.00	\$ 1,260.00	\$ 1,260.00	\$ 1,260.00	\$ 1,260.00	
All rKVA @ \$0.20 /rKVA	\$ 12.30	\$ 12.30	\$ 12.30	\$ 12.30	\$ 12.30	\$ 12.30	\$ 12.30	\$ 12.30	\$ 19.68	\$ 19.68	\$ 19.68	\$ 19.68	\$ 19.68	\$ 19.68	\$ 19.68	
Sub-Total	\$ 799.80	\$ 799.80	\$ 799.80	\$ 799.80	\$ 799.80	\$ 799.80	\$ 799.80	\$ 799.80	\$ 1,279.68	\$ 1,279.68	\$ 1,279.68	\$ 1,279.68	\$ 1,279.68	\$ 1,279.68	\$ 1,279.68	
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 4.50	\$ 9.00	\$ 13.50	\$ 18.00	\$ 22.50	\$ 27.00	\$ 32.85	\$ 7.20	\$ 14.40	\$ 21.60	\$ 28.80	\$ 36.00	\$ 43.20	\$ 52.56	
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 8.25	\$ 16.50	\$ 24.75	\$ 33.00	\$ 41.25	\$ 49.50	\$ 60.23	\$ 13.20	\$ 26.40	\$ 39.60	\$ 52.80	\$ 66.00	\$ 79.20	\$ 96.36	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 30.50	\$ 61.00	\$ 91.50	\$ 122.00	\$ 152.50	\$ 183.00	\$ 222.65	\$ 48.80	\$ 97.60	\$ 146.40	\$ 195.20	\$ 244.00	\$ 292.80	\$ 356.24	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ -	\$ 43.25	\$ 86.50	\$ 129.75	\$ 173.00	\$ 216.25	\$ 259.50	\$ 315.73	\$ 69.20	\$ 138.40	\$ 207.60	\$ 276.80	\$ 346.00	\$ 415.20	\$ 505.16	
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 1,492.75	\$ 2,985.50	\$ 4,478.25	\$ 5,971.00	\$ 7,463.75	\$ 8,956.50	\$ 10,897.08	\$ 2,388.40	\$ 4,776.80	\$ 7,165.20	\$ 9,553.60	\$ 11,942.00	\$ 14,330.40	\$ 17,435.32	
Sub Total	\$ 799.80	\$ 2,335.80	\$ 3,871.80	\$ 5,407.80	\$ 6,943.80	\$ 8,479.80	\$ 10,015.80	\$ 12,012.60	\$ 3,737.28	\$ 6,194.88	\$ 8,652.48	\$ 11,110.08	\$ 13,567.68	\$ 16,025.28	\$ 19,220.16	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 799.80	\$ 2,335.80	\$ 3,871.80	\$ 5,407.80	\$ 6,943.80	\$ 8,479.80	\$ 10,015.80	\$ 12,012.60	\$ 3,737.28	\$ 6,194.88	\$ 8,652.48	\$ 11,110.08	\$ 13,567.68	\$ 16,025.28	\$ 19,220.16	
% Increase	6413.01%	32.53%	10.22%	2.75%	-0.99%	-3.24%	-4.74%	-6.07%	32.87%	10.37%	2.84%	-0.93%	-3.19%	-4.69%	-6.04%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GS-MEDIUM vs RATE GS-LARGE
With Demands 500 - 1,000 KW
At Average Levels of kWh Use

DEMAND																	
Total kW	500	500	500	500	500	500	750	750	750	750	750	1,000	1,000	1,000	1,000	1,000	
Total kVA	515	515	515	515	515	515	772	772	772	772	772	1,030	1,030	1,030	1,030	1,030	
Hrs Use	0	200	300	400	500	730	200	300	400	500	730	200	300	400	500	730	
REACTIVE DEMAND																	
rkVA	123	123	123	123	123	123	184	184	184	184	184	246	246	246	246	246	
ENERGY USAGE																	
Monthly Energy Usage	0	100,000	150,000	200,000	250,000	365,000	150,000	225,000	300,000	375,000	547,500	200,000	300,000	400,000	500,000	730,000	
Total Energy Usage	0	100,000	150,000	200,000	250,000	365,000	150,000	225,000	300,000	375,000	547,500	200,000	300,000	400,000	500,000	730,000	

UNBUNDLED RATES - CURRENT

Distribution																	
All kVA @ \$2.770/kVA	\$ 1,426.28	\$ 1,426.28	\$ 1,426.28	\$ 1,426.28	\$ 1,426.28	\$ 1,426.28	\$ 2,139.42	\$ 2,139.42	\$ 2,139.42	\$ 2,139.42	\$ 2,139.42	\$ 2,852.56	\$ 2,852.56	\$ 2,852.56	\$ 2,852.56	\$ 2,852.56	
Riders																	
Solar Photovoltaic Requirements Charge @ 0.018 e/kWh	\$ -	\$ 18.00	\$ 27.00	\$ 36.00	\$ 45.00	\$ 65.70	\$ 27.00	\$ 40.50	\$ 54.00	\$ 67.50	\$ 98.55	\$ 36.00	\$ 54.00	\$ 72.00	\$ 90.00	\$ 131.40	
Default Service Support Charge @ 0.033 e/kWh	\$ -	\$ 33.00	\$ 49.50	\$ 66.00	\$ 82.50	\$ 120.45	\$ 49.50	\$ 74.25	\$ 99.00	\$ 123.75	\$ 180.68	\$ 66.00	\$ 99.00	\$ 132.00	\$ 165.00	\$ 240.90	
Consumer Education Charge @ 0.000 e/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 e/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 e/kWh	\$ -	\$ 122.00	\$ 183.00	\$ 244.00	\$ 305.00	\$ 445.30	\$ 183.00	\$ 274.50	\$ 366.00	\$ 457.50	\$ 667.95	\$ 244.00	\$ 366.00	\$ 488.00	\$ 610.00	\$ 890.60	
Smart Meter Charge @ \$4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	
Sub-Total	\$ 4.41	\$ 177.41	\$ 263.91	\$ 350.41	\$ 436.91	\$ 635.86	\$ 263.91	\$ 393.66	\$ 523.41	\$ 653.16	\$ 951.59	\$ 350.41	\$ 523.41	\$ 696.41	\$ 869.41	\$ 1,267.31	
PTC Charge																	
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 5,971.00	\$ 8,956.50	\$ 11,942.00	\$ 14,927.50	\$ 21,794.15	\$ 8,956.50	\$ 13,434.75	\$ 17,913.00	\$ 22,391.25	\$ 32,691.23	\$ 11,942.00	\$ 17,913.00	\$ 23,884.00	\$ 29,855.00	\$ 43,588.30	
Sub Total	\$ 1,430.69	\$ 7,574.69	\$ 10,646.69	\$ 13,718.69	\$ 16,790.69	\$ 23,856.29	\$ 11,359.83	\$ 15,967.83	\$ 20,575.83	\$ 25,183.83	\$ 35,782.23	\$ 15,144.97	\$ 21,288.97	\$ 27,432.97	\$ 33,576.97	\$ 47,708.17	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 1,430.69	\$ 7,574.69	\$ 10,646.69	\$ 13,718.69	\$ 16,790.69	\$ 23,856.29	\$ 11,359.83	\$ 15,967.83	\$ 20,575.83	\$ 25,183.83	\$ 35,782.23	\$ 15,144.97	\$ 21,288.97	\$ 27,432.97	\$ 33,576.97	\$ 47,708.17	

UNBUNDLED RATES - PROPOSED

Distribution																	
Distribution Charge @ \$24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	
All kW @ \$3.89/kW	\$ 1,945.00	\$ 1,945.00	\$ 1,945.00	\$ 1,945.00	\$ 1,945.00	\$ 1,945.00	\$ 2,917.50	\$ 2,917.50	\$ 2,917.50	\$ 2,917.50	\$ 2,917.50	\$ 3,890.00	\$ 3,890.00	\$ 3,890.00	\$ 3,890.00	\$ 3,890.00	
All rkVA @ \$0.20 /rkVA	\$ 24.60	\$ 24.60	\$ 24.60	\$ 24.60	\$ 24.60	\$ 24.60	\$ 36.89	\$ 36.89	\$ 36.89	\$ 36.89	\$ 36.89	\$ 49.19	\$ 49.19	\$ 49.19	\$ 49.19	\$ 49.19	
Sub-Total	\$ 1,993.69	\$ 1,993.69	\$ 1,993.69	\$ 1,993.69	\$ 1,993.69	\$ 1,993.69	\$ 2,978.48	\$ 2,978.48	\$ 2,978.48	\$ 2,978.48	\$ 2,978.48	\$ 3,963.28	\$ 3,963.28	\$ 3,963.28	\$ 3,963.28	\$ 3,963.28	
Riders																	
Solar Photovoltaic Requirements Charge @ 0.018 e/kWh	\$ -	\$ 18.00	\$ 27.00	\$ 36.00	\$ 45.00	\$ 65.70	\$ 27.00	\$ 40.50	\$ 54.00	\$ 67.50	\$ 98.55	\$ 36.00	\$ 54.00	\$ 72.00	\$ 90.00	\$ 131.40	
Default Service Support Charge @ 0.033 e/kWh	\$ -	\$ 33.00	\$ 49.50	\$ 66.00	\$ 82.50	\$ 120.45	\$ 49.50	\$ 74.25	\$ 99.00	\$ 123.75	\$ 180.68	\$ 66.00	\$ 99.00	\$ 132.00	\$ 165.00	\$ 240.90	
Consumer Education Charge @ 0.000 e/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 e/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 e/kWh	\$ -	\$ 122.00	\$ 183.00	\$ 244.00	\$ 305.00	\$ 445.30	\$ 183.00	\$ 274.50	\$ 366.00	\$ 457.50	\$ 667.95	\$ 244.00	\$ 366.00	\$ 488.00	\$ 610.00	\$ 890.60	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ -	\$ 173.00	\$ 259.50	\$ 346.00	\$ 432.50	\$ 631.45	\$ 259.50	\$ 389.25	\$ 519.00	\$ 648.75	\$ 947.18	\$ 346.00	\$ 519.00	\$ 692.00	\$ 865.00	\$ 1,262.90	
PTC Charge																	
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 5,971.00	\$ 8,956.50	\$ 11,942.00	\$ 14,927.50	\$ 21,794.15	\$ 8,956.50	\$ 13,434.75	\$ 17,913.00	\$ 22,391.25	\$ 32,691.23	\$ 11,942.00	\$ 17,913.00	\$ 23,884.00	\$ 29,855.00	\$ 43,588.30	
Sub Total	\$ 1,993.69	\$ 8,137.69	\$ 11,209.69	\$ 14,281.69	\$ 17,353.69	\$ 24,419.29	\$ 12,194.48	\$ 16,802.48	\$ 21,410.48	\$ 26,018.48	\$ 36,616.88	\$ 16,251.28	\$ 22,395.28	\$ 28,539.28	\$ 34,683.28	\$ 48,814.48	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 1,993.69	\$ 8,137.69	\$ 11,209.69	\$ 14,281.69	\$ 17,353.69	\$ 24,419.29	\$ 12,194.48	\$ 16,802.48	\$ 21,410.48	\$ 26,018.48	\$ 36,616.88	\$ 16,251.28	\$ 22,395.28	\$ 28,539.28	\$ 34,683.28	\$ 48,814.48	
% Increase	39.35%	7.43%	5.29%	4.10%	3.35%	2.36%	7.35%	5.23%	4.06%	3.31%	2.33%	7.30%	5.20%	4.03%	3.29%	2.32%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GS-MEDIUM vs RATE GS-LARGE
With Demands 1,500 - 3,000 KW
At Average Levels of kWh Use

DEMAND	1,500	1,500	1,500	1,500	1,500	2,000	2,000	2,000	2,000	2,500	2,500	2,500	2,500	3,000	3,000	3,000	3,000
Total kW	1,500	1,500	1,500	1,500	1,500	2,000	2,000	2,000	2,000	2,500	2,500	2,500	2,500	3,000	3,000	3,000	3,000
Total kVA	1,545	1,545	1,545	1,545	1,545	2,060	2,060	2,060	2,060	2,575	2,575	2,575	2,575	3,089	3,089	3,089	3,089
Hrs Use	0	100	300	500	730	100	300	500	730	100	300	500	730	100	300	500	730
REACTIVE DEMAND																	
kVA	369	369	369	369	369	492	492	492	492	615	615	615	615	738	738	738	738
ENERGY USAGE																	
Monthly Energy Usage	0	150,000	450,000	750,000	1,095,000	200,000	600,000	1,000,000	1,460,000	250,000	750,000	1,250,000	1,825,000	300,000	900,000	1,500,000	2,190,000
Total Energy Usage	0	150,000	450,000	750,000	1,095,000	200,000	600,000	1,000,000	1,460,000	250,000	750,000	1,250,000	1,825,000	300,000	900,000	1,500,000	2,190,000

UNBUNDLED RATES - CURRENT

Distribution																		
All kVA @ \$2.770/kVA	\$ 4,278.84	\$ 4,278.84	\$ 4,278.84	\$ 4,278.84	\$ 4,278.84	\$ 5,705.12	\$ 5,705.12	\$ 5,705.12	\$ 5,705.12	\$ 7,131.40	\$ 7,131.40	\$ 7,131.40	\$ 7,131.40	\$ 8,557.68	\$ 8,557.68	\$ 8,557.68	\$ 8,557.68	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 e/kWh	\$ -	\$ 27.00	\$ 81.00	\$ 135.00	\$ 197.10	\$ 36.00	\$ 108.00	\$ 180.00	\$ 262.80	\$ 45.00	\$ 135.00	\$ 225.00	\$ 328.50	\$ 54.00	\$ 162.00	\$ 270.00	\$ 394.20	
Default Service Support Charge @ 0.033 e/kWh	\$ -	\$ 49.50	\$ 148.50	\$ 247.50	\$ 361.35	\$ 66.00	\$ 198.00	\$ 330.00	\$ 481.80	\$ 82.50	\$ 247.50	\$ 412.50	\$ 602.25	\$ 99.00	\$ 297.00	\$ 495.00	\$ 722.70	
Consumer Education Charge @ 0.000 e/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 e/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 e/kWh	\$ -	\$ 183.00	\$ 549.00	\$ 915.00	\$ 1,335.90	\$ 244.00	\$ 732.00	\$ 1,220.00	\$ 1,781.20	\$ 305.00	\$ 915.00	\$ 1,525.00	\$ 2,226.50	\$ 366.00	\$ 1,098.00	\$ 1,830.00	\$ 2,671.80	
Smart Meter Charge @ \$4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	\$ 4.41	
Sub-Total	\$ 4.41	\$ 263.91	\$ 782.91	\$ 1,301.91	\$ 1,898.76	\$ 350.41	\$ 1,042.41	\$ 1,734.41	\$ 2,530.21	\$ 436.91	\$ 1,301.91	\$ 2,166.91	\$ 3,161.66	\$ 523.41	\$ 1,561.41	\$ 2,599.41	\$ 3,793.11	
PTC Charge																		
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 8,956.50	\$ 26,869.50	\$ 44,782.50	\$ 65,382.45	\$ 11,942.00	\$ 35,826.00	\$ 59,710.00	\$ 87,176.60	\$ 14,927.50	\$ 44,782.50	\$ 74,637.50	\$ 108,970.75	\$ 17,913.00	\$ 53,739.00	\$ 89,565.00	\$ 130,764.90	
Sub Total	\$ 4,283.25	\$ 13,499.25	\$ 31,931.25	\$ 50,363.25	\$ 71,560.05	\$ 17,997.53	\$ 42,573.53	\$ 67,149.53	\$ 95,411.93	\$ 22,495.81	\$ 53,215.81	\$ 83,935.81	\$ 119,263.81	\$ 26,994.09	\$ 63,858.09	\$ 100,722.09	\$ 143,115.69	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 4,283.25	\$ 13,499.25	\$ 31,931.25	\$ 50,363.25	\$ 71,560.05	\$ 17,997.53	\$ 42,573.53	\$ 67,149.53	\$ 95,411.93	\$ 22,495.81	\$ 53,215.81	\$ 83,935.81	\$ 119,263.81	\$ 26,994.09	\$ 63,858.09	\$ 100,722.09	\$ 143,115.69	

UNBUNDLED RATES - PROPOSED

Distribution																		
Distribution Charge @ \$24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	\$ 24.09	
All kW @ \$3.89/kW	\$ 5,835.00	\$ 5,835.00	\$ 5,835.00	\$ 5,835.00	\$ 5,835.00	\$ 7,780.00	\$ 7,780.00	\$ 7,780.00	\$ 7,780.00	\$ 9,725.00	\$ 9,725.00	\$ 9,725.00	\$ 9,725.00	\$ 11,670.00	\$ 11,670.00	\$ 11,670.00	\$ 11,670.00	
All kVA @ \$0.20 /kVA	\$ 73.79	\$ 73.79	\$ 73.79	\$ 73.79	\$ 73.79	\$ 98.39	\$ 98.39	\$ 98.39	\$ 98.39	\$ 122.98	\$ 122.98	\$ 122.98	\$ 122.98	\$ 147.58	\$ 147.58	\$ 147.58	\$ 147.58	
Sub-Total	\$ 5,932.88	\$ 5,932.88	\$ 5,932.88	\$ 5,932.88	\$ 5,932.88	\$ 7,902.48	\$ 7,902.48	\$ 7,902.48	\$ 7,902.48	\$ 9,872.07	\$ 9,872.07	\$ 9,872.07	\$ 9,872.07	\$ 11,841.67	\$ 11,841.67	\$ 11,841.67	\$ 11,841.67	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 e/kWh	\$ -	\$ 27.00	\$ 81.00	\$ 135.00	\$ 197.10	\$ 36.00	\$ 108.00	\$ 180.00	\$ 262.80	\$ 45.00	\$ 135.00	\$ 225.00	\$ 328.50	\$ 54.00	\$ 162.00	\$ 270.00	\$ 394.20	
Default Service Support Charge @ 0.033 e/kWh	\$ -	\$ 49.50	\$ 148.50	\$ 247.50	\$ 361.35	\$ 66.00	\$ 198.00	\$ 330.00	\$ 481.80	\$ 82.50	\$ 247.50	\$ 412.50	\$ 602.25	\$ 99.00	\$ 297.00	\$ 495.00	\$ 722.70	
Consumer Education Charge @ 0.000 e/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 e/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 e/kWh	\$ -	\$ 183.00	\$ 549.00	\$ 915.00	\$ 1,335.90	\$ 244.00	\$ 732.00	\$ 1,220.00	\$ 1,781.20	\$ 305.00	\$ 915.00	\$ 1,525.00	\$ 2,226.50	\$ 366.00	\$ 1,098.00	\$ 1,830.00	\$ 2,671.80	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ -	\$ 259.50	\$ 778.50	\$ 1,297.50	\$ 1,894.35	\$ 346.00	\$ 1,038.00	\$ 1,730.00	\$ 2,525.80	\$ 432.50	\$ 1,297.50	\$ 2,162.50	\$ 3,157.25	\$ 519.00	\$ 1,557.00	\$ 2,595.00	\$ 3,788.70	
PTC Charge																		
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 8,956.50	\$ 26,869.50	\$ 44,782.50	\$ 65,382.45	\$ 11,942.00	\$ 35,826.00	\$ 59,710.00	\$ 87,176.60	\$ 14,927.50	\$ 44,782.50	\$ 74,637.50	\$ 108,970.75	\$ 17,913.00	\$ 53,739.00	\$ 89,565.00	\$ 130,764.90	
Sub Total	\$ 5,932.88	\$ 15,148.88	\$ 33,580.88	\$ 52,012.88	\$ 73,209.68	\$ 20,190.48	\$ 44,766.48	\$ 69,342.48	\$ 97,604.88	\$ 25,232.07	\$ 55,952.07	\$ 86,672.07	\$ 122,000.07	\$ 30,273.67	\$ 67,137.67	\$ 104,001.67	\$ 146,395.27	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 5,932.88	\$ 15,148.88	\$ 33,580.88	\$ 52,012.88	\$ 73,209.68	\$ 20,190.48	\$ 44,766.48	\$ 69,342.48	\$ 97,604.88	\$ 25,232.07	\$ 55,952.07	\$ 86,672.07	\$ 122,000.07	\$ 30,273.67	\$ 67,137.67	\$ 104,001.67	\$ 146,395.27	
% Increase	38.51%	12.22%	5.17%	3.28%	2.31%	12.18%	5.15%	3.27%	2.30%	12.16%	5.14%	3.26%	2.29%	12.15%	5.14%	3.26%	2.29%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GP
With Demands 25 - 150 KW
At Average Levels of kWh Use

DEMAND																		
Total kW	25	25	25	25	25	50	50	50	50	100	100	100	100	150	150	150	150	
Total kVA	25	25	25	25	25	50	50	50	50	100	100	100	100	150	150	150	150	
Hrs Use	0	100	300	500	730	100	300	500	730	100	300	500	730	100	300	500	730	
REACTIVE DEMAND																		
rKVA	15	15	15	15	15	31	31	31	31	62	62	62	62	93	93	93	93	
ENERGY USAGE																		
Monthly Energy Usage	0	2,500	7,500	12,500	18,250	5,000	15,000	25,000	36,500	10,000	30,000	50,000	73,000	15,000	45,000	75,000	109,500	
Total Energy Usage	0	2,500	7,500	12,500	18,250	5,000	15,000	25,000	36,500	10,000	30,000	50,000	73,000	15,000	45,000	75,000	109,500	

UNBUNDLED RATES - CURRENT

Distribution																		
All kVA @ \$1.670/kVA	\$ 41.75	\$ 41.75	\$ 41.75	\$ 41.75	\$ 41.75	\$ 83.50	\$ 83.50	\$ 83.50	\$ 83.50	\$ 167.00	\$ 167.00	\$ 167.00	\$ 167.00	\$ 250.50	\$ 250.50	\$ 250.50	\$ 250.50	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.45	\$ 1.35	\$ 2.25	\$ 3.29	\$ 0.90	\$ 2.70	\$ 4.50	\$ 6.57	\$ 1.80	\$ 5.40	\$ 9.00	\$ 13.14	\$ 2.70	\$ 8.10	\$ 13.50	\$ 19.71	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40	\$ 4.80	\$ 4.80	\$ 4.80	\$ 4.80	\$ 9.60	\$ 9.60	\$ 9.60	\$ 9.60	\$ 14.40	\$ 14.40	\$ 14.40	\$ 14.40	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 7.00	\$ 7.00	\$ 7.00	\$ 7.00	\$ 7.00	\$ 14.00	\$ 14.00	\$ 14.00	\$ 14.00	\$ 28.00	\$ 28.00	\$ 28.00	\$ 28.00	\$ 42.00	\$ 42.00	\$ 42.00	\$ 42.00	
Smart Meter Charge @ \$4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	
Sub-Total	\$ 13.75	\$ 14.20	\$ 15.10	\$ 16.00	\$ 17.04	\$ 24.05	\$ 25.85	\$ 27.65	\$ 29.72	\$ 43.75	\$ 47.35	\$ 50.95	\$ 55.09	\$ 63.45	\$ 68.85	\$ 74.25	\$ 80.46	
PTC Charge																		
All kWh @ \$ 0.03621 /kWh	\$ -	\$ 90.53	\$ 271.58	\$ 452.63	\$ 660.83	\$ 181.05	\$ 543.15	\$ 905.25	\$ 1,321.67	\$ 362.10	\$ 1,086.30	\$ 1,810.50	\$ 2,643.33	\$ 543.15	\$ 1,629.45	\$ 2,715.75	\$ 3,965.00	
Sub Total	\$ 55.50	\$ 146.48	\$ 328.43	\$ 510.38	\$ 719.62	\$ 288.60	\$ 652.50	\$ 1,016.40	\$ 1,434.89	\$ 572.85	\$ 1,300.65	\$ 2,028.45	\$ 2,865.42	\$ 857.10	\$ 1,948.80	\$ 3,040.50	\$ 4,295.96	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 55.50	\$ 146.48	\$ 328.43	\$ 510.38	\$ 719.62	\$ 288.60	\$ 652.50	\$ 1,016.40	\$ 1,434.89	\$ 572.85	\$ 1,300.65	\$ 2,028.45	\$ 2,865.42	\$ 857.10	\$ 1,948.80	\$ 3,040.50	\$ 4,295.96	

UNBUNDLED RATES - PROPOSED

Distribution																		
Distribution Charge @ \$123.71	\$123.71	\$123.71	\$123.71	\$123.71	\$123.71	\$123.71	\$123.71	\$123.71	\$123.71	\$123.71	\$123.71	\$123.71	\$123.71	\$123.71	\$123.71	\$123.71	\$123.71	
All kW @ \$3.69/kW	\$ 92.25	\$ 92.25	\$ 92.25	\$ 92.25	\$ 92.25	\$ 184.50	\$ 184.50	\$ 184.50	\$ 184.50	\$ 369.00	\$ 369.00	\$ 369.00	\$ 369.00	\$ 553.50	\$ 553.50	\$ 553.50	\$ 553.50	
All rKVA @ \$0.20 /rKVA	\$ 3.09	\$ 3.09	\$ 3.09	\$ 3.09	\$ 3.09	\$ 6.18	\$ 6.18	\$ 6.18	\$ 6.18	\$ 12.37	\$ 12.37	\$ 12.37	\$ 12.37	\$ 18.55	\$ 18.55	\$ 18.55	\$ 18.55	
Sub-Total	\$ 219.05	\$ 219.05	\$ 219.05	\$ 219.05	\$ 219.05	\$ 314.39	\$ 314.39	\$ 314.39	\$ 314.39	\$ 505.08	\$ 505.08	\$ 505.08	\$ 505.08	\$ 695.76	\$ 695.76	\$ 695.76	\$ 695.76	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.45	\$ 1.35	\$ 2.25	\$ 3.29	\$ 0.90	\$ 2.70	\$ 4.50	\$ 6.57	\$ 1.80	\$ 5.40	\$ 9.00	\$ 13.14	\$ 2.70	\$ 8.10	\$ 13.50	\$ 19.71	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40	\$ 2.40	\$ 4.80	\$ 4.80	\$ 4.80	\$ 4.80	\$ 9.60	\$ 9.60	\$ 9.60	\$ 9.60	\$ 14.40	\$ 14.40	\$ 14.40	\$ 14.40	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 7.00	\$ 7.00	\$ 7.00	\$ 7.00	\$ 7.00	\$ 14.00	\$ 14.00	\$ 14.00	\$ 14.00	\$ 28.00	\$ 28.00	\$ 28.00	\$ 28.00	\$ 42.00	\$ 42.00	\$ 42.00	\$ 42.00	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ 9.40	\$ 9.85	\$ 10.75	\$ 11.65	\$ 12.69	\$ 19.70	\$ 21.50	\$ 23.30	\$ 25.37	\$ 39.40	\$ 43.00	\$ 46.60	\$ 50.74	\$ 59.10	\$ 64.50	\$ 69.90	\$ 76.11	
PTC Charge																		
All kWh @ \$ 0.03621 /kWh	\$ -	\$ 90.53	\$ 271.58	\$ 452.63	\$ 660.83	\$ 181.05	\$ 543.15	\$ 905.25	\$ 1,321.67	\$ 362.10	\$ 1,086.30	\$ 1,810.50	\$ 2,643.33	\$ 543.15	\$ 1,629.45	\$ 2,715.75	\$ 3,965.00	
Sub Total	\$ 228.45	\$ 319.43	\$ 501.38	\$ 683.33	\$ 892.57	\$ 515.14	\$ 879.04	\$ 1,242.94	\$ 1,661.43	\$ 906.58	\$ 1,634.38	\$ 2,362.18	\$ 3,199.15	\$ 1,298.01	\$ 2,389.71	\$ 3,481.41	\$ 4,736.87	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 228.45	\$ 319.43	\$ 501.38	\$ 683.33	\$ 892.57	\$ 515.14	\$ 879.04	\$ 1,242.94	\$ 1,661.43	\$ 906.58	\$ 1,634.38	\$ 2,362.18	\$ 3,199.15	\$ 1,298.01	\$ 2,389.71	\$ 3,481.41	\$ 4,736.87	
% Increase	311.63%	118.08%	52.66%	33.89%	24.03%	78.50%	34.72%	22.29%	15.79%	58.26%	25.66%	16.45%	11.65%	51.44%	22.62%	14.50%	10.26%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GP
With Demands 250 - 1,000 KW
At Average Levels of kWh Use

DEMAND																		
Total kW	250	250	250	250	250	500	500	500	500	750	750	750	750	1,000	1,000	1,000	1,000	
Total kVA	294	294	294	294	294	588	588	588	588	882	882	882	882	1,176	1,176	1,176	1,176	
Hrs Use	0	100	300	500	730	100	300	500	730	100	300	500	730	100	300	500	730	
REACTIVE DEMAND																		
rKVA	155	155	155	155	155	309	309	309	309	464	464	464	464	618	618	618	618	
ENERGY USAGE																		
Monthly Energy Usage	0	25,000	75,000	125,000	182,500	50,000	150,000	250,000	365,000	75,000	225,000	375,000	547,500	100,000	300,000	500,000	730,000	
Total Energy Usage	0	25,000	75,000	125,000	182,500	50,000	150,000	250,000	365,000	75,000	225,000	375,000	547,500	100,000	300,000	500,000	730,000	

UNBUNDLED RATES - CURRENT

Distribution																		
All kVA @ \$1.670/kVA	\$ 490.90	\$ 490.90	\$ 490.90	\$ 490.90	\$ 490.90	\$ 981.80	\$ 981.80	\$ 981.80	\$ 981.80	\$ 1,472.70	\$ 1,472.70	\$ 1,472.70	\$ 1,472.70	\$ 1,963.60	\$ 1,963.60	\$ 1,963.60	\$ 1,963.60	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 4.50	\$ 13.50	\$ 22.50	\$ 32.85	\$ 9.00	\$ 27.00	\$ 45.00	\$ 65.70	\$ 13.50	\$ 40.50	\$ 67.50	\$ 98.55	\$ 18.00	\$ 54.00	\$ 90.00	\$ 131.40	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 24.00	\$ 24.00	\$ 24.00	\$ 24.00	\$ 24.00	\$ 48.00	\$ 48.00	\$ 48.00	\$ 48.00	\$ 72.00	\$ 72.00	\$ 72.00	\$ 72.00	\$ 96.00	\$ 96.00	\$ 96.00	\$ 96.00	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	\$ 140.00	\$ 140.00	\$ 140.00	\$ 140.00	\$ 210.00	\$ 210.00	\$ 210.00	\$ 210.00	\$ 280.00	\$ 280.00	\$ 280.00	\$ 280.00	
Smart Meter Charge @ \$4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	
Sub-Total	\$ 98.35	\$ 102.85	\$ 111.85	\$ 120.85	\$ 131.20	\$ 201.35	\$ 219.35	\$ 237.35	\$ 258.05	\$ 299.85	\$ 326.85	\$ 353.85	\$ 384.90	\$ 398.35	\$ 434.35	\$ 470.35	\$ 511.75	
PTC Charge																		
All kWh @ \$ 0.03621 /kWh	\$ -	\$ 905.25	\$ 2,715.75	\$ 4,526.25	\$ 6,608.33	\$ 1,810.50	\$ 5,431.50	\$ 9,052.50	\$ 13,216.65	\$ 2,715.75	\$ 8,147.25	\$ 13,578.75	\$ 19,824.98	\$ 3,621.00	\$ 10,863.00	\$ 18,105.00	\$ 26,433.30	
Sub Total	\$ 589.25	\$ 1,499.00	\$ 3,318.50	\$ 5,138.00	\$ 7,230.42	\$ 2,993.65	\$ 6,632.65	\$ 10,271.65	\$ 14,456.50	\$ 4,488.30	\$ 9,946.80	\$ 15,405.30	\$ 21,682.57	\$ 5,982.95	\$ 13,260.95	\$ 20,538.95	\$ 28,908.65	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 589.25	\$ 1,499.00	\$ 3,318.50	\$ 5,138.00	\$ 7,230.42	\$ 2,993.65	\$ 6,632.65	\$ 10,271.65	\$ 14,456.50	\$ 4,488.30	\$ 9,946.80	\$ 15,405.30	\$ 21,682.57	\$ 5,982.95	\$ 13,260.95	\$ 20,538.95	\$ 28,908.65	

UNBUNDLED RATES - PROPOSED

Distribution																		
Distribution Charge @ \$123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	
All kW @ \$3.69/kW	\$ 922.50	\$ 922.50	\$ 922.50	\$ 922.50	\$ 922.50	\$ 1,845.00	\$ 1,845.00	\$ 1,845.00	\$ 1,845.00	\$ 2,767.50	\$ 2,767.50	\$ 2,767.50	\$ 2,767.50	\$ 3,690.00	\$ 3,690.00	\$ 3,690.00	\$ 3,690.00	
All rKVA @ \$0.20 /rKVA	\$ 30.92	\$ 30.92	\$ 30.92	\$ 30.92	\$ 30.92	\$ 61.85	\$ 61.85	\$ 61.85	\$ 61.85	\$ 92.77	\$ 92.77	\$ 92.77	\$ 92.77	\$ 123.70	\$ 123.70	\$ 123.70	\$ 123.70	
Sub-Total	\$ 1,077.13	\$ 1,077.13	\$ 1,077.13	\$ 1,077.13	\$ 1,077.13	\$ 2,030.56	\$ 2,030.56	\$ 2,030.56	\$ 2,030.56	\$ 2,983.98	\$ 2,983.98	\$ 2,983.98	\$ 2,983.98	\$ 3,937.41	\$ 3,937.41	\$ 3,937.41	\$ 3,937.41	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 4.50	\$ 13.50	\$ 22.50	\$ 32.85	\$ 9.00	\$ 27.00	\$ 45.00	\$ 65.70	\$ 13.50	\$ 40.50	\$ 67.50	\$ 98.55	\$ 18.00	\$ 54.00	\$ 90.00	\$ 131.40	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 24.00	\$ 24.00	\$ 24.00	\$ 24.00	\$ 24.00	\$ 48.00	\$ 48.00	\$ 48.00	\$ 48.00	\$ 72.00	\$ 72.00	\$ 72.00	\$ 72.00	\$ 96.00	\$ 96.00	\$ 96.00	\$ 96.00	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	\$ 140.00	\$ 140.00	\$ 140.00	\$ 140.00	\$ 210.00	\$ 210.00	\$ 210.00	\$ 210.00	\$ 280.00	\$ 280.00	\$ 280.00	\$ 280.00	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ 94.00	\$ 98.50	\$ 107.50	\$ 116.50	\$ 126.85	\$ 197.00	\$ 215.00	\$ 233.00	\$ 253.70	\$ 295.50	\$ 322.50	\$ 349.50	\$ 380.55	\$ 394.00	\$ 430.00	\$ 466.00	\$ 507.40	
PTC Charge																		
All kWh @ \$ 0.03621 /kWh	\$ -	\$ 905.25	\$ 2,715.75	\$ 4,526.25	\$ 6,608.33	\$ 1,810.50	\$ 5,431.50	\$ 9,052.50	\$ 13,216.65	\$ 2,715.75	\$ 8,147.25	\$ 13,578.75	\$ 19,824.98	\$ 3,621.00	\$ 10,863.00	\$ 18,105.00	\$ 26,433.30	
Sub Total	\$ 1,171.13	\$ 2,080.88	\$ 3,900.38	\$ 5,719.88	\$ 7,812.31	\$ 4,038.06	\$ 7,677.06	\$ 11,316.06	\$ 15,500.91	\$ 5,995.23	\$ 11,453.73	\$ 16,912.23	\$ 23,189.51	\$ 7,952.41	\$ 15,230.41	\$ 22,508.41	\$ 30,878.11	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 1,171.13	\$ 2,080.88	\$ 3,900.38	\$ 5,719.88	\$ 7,812.31	\$ 4,038.06	\$ 7,677.06	\$ 11,316.06	\$ 15,500.91	\$ 5,995.23	\$ 11,453.73	\$ 16,912.23	\$ 23,189.51	\$ 7,952.41	\$ 15,230.41	\$ 22,508.41	\$ 30,878.11	
% Increase	98.75%	38.82%	17.53%	11.33%	8.05%	34.89%	15.75%	10.17%	7.22%	33.57%	15.15%	9.78%	6.95%	32.92%	14.85%	9.59%	6.81%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GP
With Demands 1,500 - 3,000 KW
At Average Levels of kWh Use

DEMAND	1,500	1,500	1,500	1,500	1,500	2,000	2,000	2,000	2,000	2,500	2,500	2,500	2,500	3,000	3,000	3,000	3,000
Total kW	1,500	1,500	1,500	1,500	1,500	2,000	2,000	2,000	2,000	2,500	2,500	2,500	2,500	3,000	3,000	3,000	3,000
Total kVA	1,764	1,764	1,764	1,764	1,764	2,352	2,352	2,352	2,352	2,940	2,940	2,940	2,940	3,527	3,527	3,527	3,527
Hrs Use	0	100	300	500	730	100	300	500	730	100	300	500	730	100	300	500	730
REACTIVE DEMAND																	
rkVA	928	928	928	928	928	1,237	1,237	1,237	1,237	1,546	1,546	1,546	1,546	1,855	1,855	1,855	1,855
ENERGY USAGE																	
Monthly Energy Usage	0	150,000	450,000	750,000	1,095,000	200,000	600,000	1,000,000	1,460,000	250,000	750,000	1,250,000	1,825,000	300,000	900,000	1,500,000	2,190,000
Total Energy Usage	0	150,000	450,000	750,000	1,095,000	200,000	600,000	1,000,000	1,460,000	250,000	750,000	1,250,000	1,825,000	300,000	900,000	1,500,000	2,190,000

UNBUNDLED RATES - CURRENT

Distribution																		
All kVA @ \$1.670/kVA	\$ 2,945.39	\$ 2,945.39	\$ 2,945.39	\$ 2,945.39	\$ 2,945.39	\$ 3,927.19	\$ 3,927.19	\$ 3,927.19	\$ 3,927.19	\$ 4,908.99	\$ 4,908.99	\$ 4,908.99	\$ 4,908.99	\$ 5,890.79	\$ 5,890.79	\$ 5,890.79	\$ 5,890.79	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 27.00	\$ 81.00	\$ 135.00	\$ 197.10	\$ 36.00	\$ 108.00	\$ 180.00	\$ 262.80	\$ 45.00	\$ 135.00	\$ 225.00	\$ 328.50	\$ 54.00	\$ 162.00	\$ 270.00	\$ 394.20	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 144.00	\$ 144.00	\$ 144.00	\$ 144.00	\$ 144.00	\$ 192.00	\$ 192.00	\$ 192.00	\$ 192.00	\$ 240.00	\$ 240.00	\$ 240.00	\$ 240.00	\$ 288.00	\$ 288.00	\$ 288.00	\$ 288.00	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 420.00	\$ 420.00	\$ 420.00	\$ 420.00	\$ 420.00	\$ 560.00	\$ 560.00	\$ 560.00	\$ 560.00	\$ 700.00	\$ 700.00	\$ 700.00	\$ 700.00	\$ 840.00	\$ 840.00	\$ 840.00	\$ 840.00	
Smart Meter Charge @ \$4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	\$ 4.35	
Sub-Total	\$ 568.35	\$ 595.35	\$ 649.35	\$ 703.35	\$ 765.45	\$ 792.35	\$ 864.35	\$ 936.35	\$ 1,019.15	\$ 989.35	\$ 1,079.35	\$ 1,169.35	\$ 1,272.85	\$ 1,186.35	\$ 1,294.35	\$ 1,402.35	\$ 1,526.55	
PTC Charge																		
All kWh @ \$ 0.03621 /kWh	\$ -	\$ 5,431.50	\$ 16,294.50	\$ 27,157.50	\$ 39,649.95	\$ 7,242.00	\$ 21,726.00	\$ 36,210.00	\$ 52,866.60	\$ 9,052.50	\$ 27,157.50	\$ 45,262.50	\$ 66,083.25	\$ 10,863.00	\$ 32,589.00	\$ 54,315.00	\$ 79,299.90	
Sub Total	\$ 3,513.74	\$ 8,972.24	\$ 19,889.24	\$ 30,806.24	\$ 43,360.79	\$ 11,961.54	\$ 26,517.54	\$ 41,073.54	\$ 57,812.94	\$ 14,950.84	\$ 33,145.84	\$ 51,340.84	\$ 72,265.09	\$ 17,940.14	\$ 39,774.14	\$ 61,608.14	\$ 86,717.24	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 3,513.74	\$ 8,972.24	\$ 19,889.24	\$ 30,806.24	\$ 43,360.79	\$ 11,961.54	\$ 26,517.54	\$ 41,073.54	\$ 57,812.94	\$ 14,950.84	\$ 33,145.84	\$ 51,340.84	\$ 72,265.09	\$ 17,940.14	\$ 39,774.14	\$ 61,608.14	\$ 86,717.24	

UNBUNDLED RATES - PROPOSED

Distribution																		
Distribution Charge @ \$123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	\$ 123.71	
All kW @ \$3.69/kW	\$ 5,535.00	\$ 5,535.00	\$ 5,535.00	\$ 5,535.00	\$ 5,535.00	\$ 7,380.00	\$ 7,380.00	\$ 7,380.00	\$ 7,380.00	\$ 9,225.00	\$ 9,225.00	\$ 9,225.00	\$ 9,225.00	\$ 11,070.00	\$ 11,070.00	\$ 11,070.00	\$ 11,070.00	
All rVA @ \$0.20 /rVA	\$ 185.54	\$ 185.54	\$ 185.54	\$ 185.54	\$ 185.54	\$ 247.39	\$ 247.39	\$ 247.39	\$ 247.39	\$ 309.24	\$ 309.24	\$ 309.24	\$ 309.24	\$ 371.09	\$ 371.09	\$ 371.09	\$ 371.09	
Sub-Total	\$ 5,844.25	\$ 5,844.25	\$ 5,844.25	\$ 5,844.25	\$ 5,844.25	\$ 7,751.10	\$ 7,751.10	\$ 7,751.10	\$ 7,751.10	\$ 9,657.95	\$ 9,657.95	\$ 9,657.95	\$ 9,657.95	\$ 11,564.80	\$ 11,564.80	\$ 11,564.80	\$ 11,564.80	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 27.00	\$ 81.00	\$ 135.00	\$ 197.10	\$ 36.00	\$ 108.00	\$ 180.00	\$ 262.80	\$ 45.00	\$ 135.00	\$ 225.00	\$ 328.50	\$ 54.00	\$ 162.00	\$ 270.00	\$ 394.20	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 144.00	\$ 144.00	\$ 144.00	\$ 144.00	\$ 144.00	\$ 192.00	\$ 192.00	\$ 192.00	\$ 192.00	\$ 240.00	\$ 240.00	\$ 240.00	\$ 240.00	\$ 288.00	\$ 288.00	\$ 288.00	\$ 288.00	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 420.00	\$ 420.00	\$ 420.00	\$ 420.00	\$ 420.00	\$ 560.00	\$ 560.00	\$ 560.00	\$ 560.00	\$ 700.00	\$ 700.00	\$ 700.00	\$ 700.00	\$ 840.00	\$ 840.00	\$ 840.00	\$ 840.00	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ 564.00	\$ 591.00	\$ 645.00	\$ 699.00	\$ 761.10	\$ 788.00	\$ 860.00	\$ 932.00	\$ 1,014.80	\$ 985.00	\$ 1,075.00	\$ 1,165.00	\$ 1,268.50	\$ 1,182.00	\$ 1,290.00	\$ 1,398.00	\$ 1,522.20	
PTC Charge																		
All kWh @ \$ 0.03621 /kWh	\$ -	\$ 5,431.50	\$ 16,294.50	\$ 27,157.50	\$ 39,649.95	\$ 7,242.00	\$ 21,726.00	\$ 36,210.00	\$ 52,866.60	\$ 9,052.50	\$ 27,157.50	\$ 45,262.50	\$ 66,083.25	\$ 10,863.00	\$ 32,589.00	\$ 54,315.00	\$ 79,299.90	
Sub Total	\$ 6,408.25	\$ 11,866.75	\$ 22,783.75	\$ 33,700.75	\$ 46,255.30	\$ 15,781.10	\$ 30,337.10	\$ 44,893.10	\$ 61,632.50	\$ 19,695.45	\$ 37,890.45	\$ 56,085.45	\$ 77,009.70	\$ 23,609.80	\$ 45,443.80	\$ 67,277.80	\$ 92,386.90	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 6,408.25	\$ 11,866.75	\$ 22,783.75	\$ 33,700.75	\$ 46,255.30	\$ 15,781.10	\$ 30,337.10	\$ 44,893.10	\$ 61,632.50	\$ 19,695.45	\$ 37,890.45	\$ 56,085.45	\$ 77,009.70	\$ 23,609.80	\$ 45,443.80	\$ 67,277.80	\$ 92,386.90	
% Increase	82.38%	32.26%	14.55%	9.40%	6.68%	31.93%	14.40%	9.30%	6.61%	31.73%	14.31%	9.24%	6.57%	31.60%	14.25%	9.20%	6.54%	

**PENNSYLVANIA POWER COMPANY
 COMPARISON BETWEEN PRESENT AND PROPOSED RATES**

**RATE GT
 With Demands Up to 20,000 KW
 At Average Levels of kWh Use**

DEMAND	5,000	5,000	5,000	5,000	5,000	10,000	10,000	10,000	10,000	15,000	15,000	15,000	15,000	20,000	20,000	20,000	20,000
Total kW	5,000	5,000	5,000	5,000	5,000	10,000	10,000	10,000	10,000	15,000	15,000	15,000	15,000	20,000	20,000	20,000	20,000
Total kVA	5,639	5,639	5,639	5,639	5,639	11,277	11,277	11,277	11,277	16,916	16,916	16,916	16,916	22,554	22,554	22,554	22,554
Total rkVA	2,606	2,606	2,606	2,606	2,606	5,213	5,213	5,213	5,213	7,819	7,819	7,819	7,819	10,426	10,426	10,426	10,426
Hrs Use	0	100	300	500	730	100	300	500	730	100	300	500	730	100	300	500	730
ENERGY USAGE																	
Monthly Energy Usage	0	500,000	1,500,000	2,500,000	3,650,000	1,000,000	3,000,000	5,000,000	7,300,000	1,500,000	4,500,000	7,500,000	10,950,000	2,000,000	6,000,000	10,000,000	14,600,000
Total Energy Usage	0	500,000	1,500,000	2,500,000	3,650,000	1,000,000	3,000,000	5,000,000	7,300,000	1,500,000	4,500,000	7,500,000	10,950,000	2,000,000	6,000,000	10,000,000	14,600,000

UNBUNDLED RATES - CURRENT

Distribution																		
All kVA @ \$0.364/kVA	\$ 2,052.44	\$ 2,052.44	\$ 2,052.44	\$ 2,052.44	\$ 2,052.44	\$ 4,104.88	\$ 4,104.88	\$ 4,104.88	\$ 4,104.88	\$ 6,157.31	\$ 6,157.31	\$ 6,157.31	\$ 6,157.31	\$ 8,209.75	\$ 8,209.75	\$ 8,209.75	\$ 8,209.75	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 90.00	\$ 270.00	\$ 450.00	\$ 657.00	\$ 180.00	\$ 540.00	\$ 900.00	\$ 1,314.00	\$ 270.00	\$ 810.00	\$ 1,350.00	\$ 1,971.00	\$ 360.00	\$ 1,080.00	\$ 1,800.00	\$ 2,628.00	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 480.00	\$ 480.00	\$ 480.00	\$ 480.00	\$ 480.00	\$ 960.00	\$ 960.00	\$ 960.00	\$ 960.00	\$ 1,440.00	\$ 1,440.00	\$ 1,440.00	\$ 1,440.00	\$ 1,920.00	\$ 1,920.00	\$ 1,920.00	\$ 1,920.00	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00	\$ 4,200.00	\$ 4,200.00	\$ 4,200.00	\$ 4,200.00	\$ 5,600.00	\$ 5,600.00	\$ 5,600.00	\$ 5,600.00	
Smart Meter Charge @ \$4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	
Sub-Total	\$ 1,884.13	\$ 1,974.13	\$ 2,154.13	\$ 2,334.13	\$ 2,514.13	\$ 3,944.13	\$ 4,304.13	\$ 4,664.13	\$ 5,078.13	\$ 5,914.13	\$ 6,454.13	\$ 6,994.13	\$ 7,615.13	\$ 7,884.13	\$ 8,604.13	\$ 9,324.13	\$ 10,152.13	
PTC Charge																		
All kWh @ \$ 0.03976 /kWh	\$ -	\$ 19,880.00	\$ 59,640.00	\$ 99,400.00	\$ 145,124.00	\$ 39,760.00	\$ 119,280.00	\$ 198,800.00	\$ 290,248.00	\$ 59,640.00	\$ 178,920.00	\$ 298,200.00	\$ 435,372.00	\$ 79,520.00	\$ 238,560.00	\$ 397,600.00	\$ 580,496.00	
Sub Total	\$ 3,936.57	\$ 23,906.57	\$ 63,846.57	\$ 103,786.57	\$ 149,717.57	\$ 47,809.01	\$ 127,689.01	\$ 207,569.01	\$ 299,431.01	\$ 71,711.44	\$ 191,531.44	\$ 311,351.44	\$ 449,144.44	\$ 95,613.88	\$ 255,373.88	\$ 415,133.88	\$ 598,857.88	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 3,936.57	\$ 23,906.57	\$ 63,846.57	\$ 103,786.57	\$ 149,717.57	\$ 47,809.01	\$ 127,689.01	\$ 207,569.01	\$ 299,431.01	\$ 71,711.44	\$ 191,531.44	\$ 311,351.44	\$ 449,144.44	\$ 95,613.88	\$ 255,373.88	\$ 415,133.88	\$ 598,857.88	

UNBUNDLED RATES - PROPOSED

Distribution																		
Distribution Charge @ \$254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	
All kW @ \$0.43/kW	\$ 2,150.00	\$ 2,150.00	\$ 2,150.00	\$ 2,150.00	\$ 2,150.00	\$ 4,300.00	\$ 4,300.00	\$ 4,300.00	\$ 4,300.00	\$ 6,450.00	\$ 6,450.00	\$ 6,450.00	\$ 6,450.00	\$ 8,600.00	\$ 8,600.00	\$ 8,600.00	\$ 8,600.00	
All rKVA @ \$0.20 /rKVA	\$ 521.28	\$ 521.28	\$ 521.28	\$ 521.28	\$ 521.28	\$ 1,042.57	\$ 1,042.57	\$ 1,042.57	\$ 1,042.57	\$ 1,563.85	\$ 1,563.85	\$ 1,563.85	\$ 1,563.85	\$ 2,085.14	\$ 2,085.14	\$ 2,085.14	\$ 2,085.14	
Sub-Total	\$ 2,925.84	\$ 2,925.84	\$ 2,925.84	\$ 2,925.84	\$ 2,925.84	\$ 5,597.13	\$ 5,597.13	\$ 5,597.13	\$ 5,597.13	\$ 8,268.41	\$ 8,268.41	\$ 8,268.41	\$ 8,268.41	\$ 10,939.70	\$ 10,939.70	\$ 10,939.70	\$ 10,939.70	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 90.00	\$ 270.00	\$ 450.00	\$ 657.00	\$ 180.00	\$ 540.00	\$ 900.00	\$ 1,314.00	\$ 270.00	\$ 810.00	\$ 1,350.00	\$ 1,971.00	\$ 360.00	\$ 1,080.00	\$ 1,800.00	\$ 2,628.00	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 480.00	\$ 480.00	\$ 480.00	\$ 480.00	\$ 480.00	\$ 960.00	\$ 960.00	\$ 960.00	\$ 960.00	\$ 1,440.00	\$ 1,440.00	\$ 1,440.00	\$ 1,440.00	\$ 1,920.00	\$ 1,920.00	\$ 1,920.00	\$ 1,920.00	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00	\$ 4,200.00	\$ 4,200.00	\$ 4,200.00	\$ 4,200.00	\$ 5,600.00	\$ 5,600.00	\$ 5,600.00	\$ 5,600.00	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ 1,880.00	\$ 1,970.00	\$ 2,150.00	\$ 2,330.00	\$ 2,537.00	\$ 3,940.00	\$ 4,300.00	\$ 4,660.00	\$ 5,074.00	\$ 5,910.00	\$ 6,450.00	\$ 6,990.00	\$ 7,611.00	\$ 7,880.00	\$ 8,600.00	\$ 9,320.00	\$ 10,148.00	
PTC Charge																		
All kWh @ \$ 0.03976 /kWh	\$ -	\$ 19,880.00	\$ 59,640.00	\$ 99,400.00	\$ 145,124.00	\$ 39,760.00	\$ 119,280.00	\$ 198,800.00	\$ 290,248.00	\$ 59,640.00	\$ 178,920.00	\$ 298,200.00	\$ 435,372.00	\$ 79,520.00	\$ 238,560.00	\$ 397,600.00	\$ 580,496.00	
Sub Total	\$ 4,805.84	\$ 24,775.84	\$ 64,715.84	\$ 104,655.84	\$ 150,586.84	\$ 49,297.13	\$ 129,177.13	\$ 209,057.13	\$ 300,919.13	\$ 73,818.41	\$ 193,638.41	\$ 313,458.41	\$ 451,251.41	\$ 98,339.70	\$ 258,099.70	\$ 417,859.70	\$ 601,583.70	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 4,805.84	\$ 24,775.84	\$ 64,715.84	\$ 104,655.84	\$ 150,586.84	\$ 49,297.13	\$ 129,177.13	\$ 209,057.13	\$ 300,919.13	\$ 73,818.41	\$ 193,638.41	\$ 313,458.41	\$ 451,251.41	\$ 98,339.70	\$ 258,099.70	\$ 417,859.70	\$ 601,583.70	
% Increase	22.08%	3.64%	1.36%	0.84%	0.58%	3.11%	1.17%	0.72%	0.50%	2.94%	1.10%	0.68%	0.47%	2.85%	1.07%	0.66%	0.46%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GT
With Demands Over 20,000 KW
At Average Levels of kWh Use

DEMAND	25,000	25,000	25,000	25,000	25,000	30,000	30,000	30,000	30,000	35,000	35,000	35,000	35,000	40,000	40,000	40,000	40,000
Total kW	25,000	25,000	25,000	25,000	25,000	30,000	30,000	30,000	30,000	35,000	35,000	35,000	35,000	40,000	40,000	40,000	40,000
Total kVA	28,193	28,193	28,193	28,193	28,193	33,831	33,831	33,831	33,831	39,470	39,470	39,470	39,470	45,109	45,109	45,109	45,109
Total kVA	13,032	13,032	13,032	13,032	13,032	15,639	15,639	15,639	15,639	18,245	18,245	18,245	18,245	20,851	20,851	20,851	20,851
Hrs Use	0	100	300	500	730	100	300	500	730	100	300	500	730	100	300	500	730
ENERGY USAGE																	
Monthly Energy Usage	0	2,500,000	7,500,000	12,500,000	18,250,000	3,000,000	9,000,000	15,000,000	21,900,000	3,500,000	10,500,000	17,500,000	25,500,000	4,000,000	12,000,000	20,000,000	29,200,000
Total Energy Usage	0	2,500,000	7,500,000	12,500,000	18,250,000	3,000,000	9,000,000	15,000,000	21,900,000	3,500,000	10,500,000	17,500,000	25,500,000	4,000,000	12,000,000	20,000,000	29,200,000

UNBUNDLED RATES - CURRENT

Distribution																		
All kVA @ \$0.364/kVA	\$ 10,262.19	\$ 10,262.19	\$ 10,262.19	\$ 10,262.19	\$ 10,262.19	\$ 12,314.63	\$ 12,314.63	\$ 12,314.63	\$ 12,314.63	\$ 14,367.07	\$ 14,367.07	\$ 14,367.07	\$ 14,367.07	\$ 16,419.50	\$ 16,419.50	\$ 16,419.50	\$ 16,419.50	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 450.00	\$ 1,350.00	\$ 2,250.00	\$ 3,285.00	\$ 540.00	\$ 1,620.00	\$ 2,700.00	\$ 3,942.00	\$ 630.00	\$ 1,890.00	\$ 3,150.00	\$ 4,599.00	\$ 720.00	\$ 2,160.00	\$ 3,600.00	\$ 5,256.00	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	\$ 2,880.00	\$ 2,880.00	\$ 2,880.00	\$ 2,880.00	\$ 3,360.00	\$ 3,360.00	\$ 3,360.00	\$ 3,360.00	\$ 3,840.00	\$ 3,840.00	\$ 3,840.00	\$ 3,840.00	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00	\$ 8,400.00	\$ 8,400.00	\$ 8,400.00	\$ 8,400.00	\$ 9,800.00	\$ 9,800.00	\$ 9,800.00	\$ 9,800.00	\$ 11,200.00	\$ 11,200.00	\$ 11,200.00	\$ 11,200.00	
Smart Meter Charge @ \$4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	
Sub-Total	\$ 9,404.13	\$ 9,854.13	\$ 10,754.13	\$ 11,654.13	\$ 12,689.13	\$ 11,824.13	\$ 12,904.13	\$ 13,984.13	\$ 15,226.13	\$ 13,794.13	\$ 15,054.13	\$ 16,314.13	\$ 17,763.13	\$ 15,764.13	\$ 17,204.13	\$ 18,644.13	\$ 20,300.13	
PTC Charge																		
All kWh @ \$ 0.03976 /kWh	\$ -	\$ 99,400.00	\$ 298,200.00	\$ 497,000.00	\$ 725,620.00	\$ 119,280.00	\$ 357,840.00	\$ 596,400.00	\$ 870,744.00	\$ 139,160.00	\$ 417,480.00	\$ 695,800.00	\$ 1,015,868.00	\$ 159,040.00	\$ 477,120.00	\$ 795,200.00	\$ 1,160,992.00	
Sub Total	\$ 19,666.32	\$ 119,516.32	\$ 319,216.32	\$ 518,916.32	\$ 748,571.32	\$ 143,418.76	\$ 383,058.76	\$ 622,698.76	\$ 898,284.76	\$ 167,321.20	\$ 446,901.20	\$ 726,481.20	\$ 1,047,998.20	\$ 191,223.63	\$ 510,743.63	\$ 830,263.63	\$ 1,197,711.63	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 19,666.32	\$ 119,516.32	\$ 319,216.32	\$ 518,916.32	\$ 748,571.32	\$ 143,418.76	\$ 383,058.76	\$ 622,698.76	\$ 898,284.76	\$ 167,321.20	\$ 446,901.20	\$ 726,481.20	\$ 1,047,998.20	\$ 191,223.63	\$ 510,743.63	\$ 830,263.63	\$ 1,197,711.63	

UNBUNDLED RATES - PROPOSED

Distribution																		
Distribution Charge @ \$254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	
All kW @ \$0.43/kW	\$ 10,750.00	\$ 10,750.00	\$ 10,750.00	\$ 10,750.00	\$ 10,750.00	\$ 12,900.00	\$ 12,900.00	\$ 12,900.00	\$ 12,900.00	\$ 15,050.00	\$ 15,050.00	\$ 15,050.00	\$ 15,050.00	\$ 17,200.00	\$ 17,200.00	\$ 17,200.00	\$ 17,200.00	
All kVA @ \$0.20 /kVA	\$ 2,606.42	\$ 2,606.42	\$ 2,606.42	\$ 2,606.42	\$ 2,606.42	\$ 3,127.70	\$ 3,127.70	\$ 3,127.70	\$ 3,127.70	\$ 3,648.99	\$ 3,648.99	\$ 3,648.99	\$ 3,648.99	\$ 4,170.27	\$ 4,170.27	\$ 4,170.27	\$ 4,170.27	
Sub-Total	\$ 13,610.98	\$ 13,610.98	\$ 13,610.98	\$ 13,610.98	\$ 13,610.98	\$ 16,282.26	\$ 16,282.26	\$ 16,282.26	\$ 16,282.26	\$ 18,953.55	\$ 18,953.55	\$ 18,953.55	\$ 18,953.55	\$ 21,624.83	\$ 21,624.83	\$ 21,624.83	\$ 21,624.83	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 450.00	\$ 1,350.00	\$ 2,250.00	\$ 3,285.00	\$ 540.00	\$ 1,620.00	\$ 2,700.00	\$ 3,942.00	\$ 630.00	\$ 1,890.00	\$ 3,150.00	\$ 4,599.00	\$ 720.00	\$ 2,160.00	\$ 3,600.00	\$ 5,256.00	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	\$ 2,880.00	\$ 2,880.00	\$ 2,880.00	\$ 2,880.00	\$ 3,360.00	\$ 3,360.00	\$ 3,360.00	\$ 3,360.00	\$ 3,840.00	\$ 3,840.00	\$ 3,840.00	\$ 3,840.00	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00	\$ 8,400.00	\$ 8,400.00	\$ 8,400.00	\$ 8,400.00	\$ 9,800.00	\$ 9,800.00	\$ 9,800.00	\$ 9,800.00	\$ 11,200.00	\$ 11,200.00	\$ 11,200.00	\$ 11,200.00	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ 9,400.00	\$ 9,850.00	\$ 10,750.00	\$ 11,650.00	\$ 12,685.00	\$ 11,820.00	\$ 12,900.00	\$ 13,980.00	\$ 15,222.00	\$ 13,790.00	\$ 15,050.00	\$ 16,310.00	\$ 17,759.00	\$ 15,760.00	\$ 17,200.00	\$ 18,640.00	\$ 20,296.00	
PTC Charge																		
All kWh @ \$ 0.03976 /kWh	\$ -	\$ 99,400.00	\$ 298,200.00	\$ 497,000.00	\$ 725,620.00	\$ 119,280.00	\$ 357,840.00	\$ 596,400.00	\$ 870,744.00	\$ 139,160.00	\$ 417,480.00	\$ 695,800.00	\$ 1,015,868.00	\$ 159,040.00	\$ 477,120.00	\$ 795,200.00	\$ 1,160,992.00	
Sub Total	\$ 23,010.98	\$ 122,860.98	\$ 322,560.98	\$ 522,260.98	\$ 751,915.98	\$ 147,382.26	\$ 387,022.26	\$ 626,662.26	\$ 902,248.26	\$ 171,903.55	\$ 451,483.55	\$ 731,063.55	\$ 1,052,580.55	\$ 196,424.83	\$ 515,944.83	\$ 835,464.83	\$ 1,202,912.83	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 23,010.98	\$ 122,860.98	\$ 322,560.98	\$ 522,260.98	\$ 751,915.98	\$ 147,382.26	\$ 387,022.26	\$ 626,662.26	\$ 902,248.26	\$ 171,903.55	\$ 451,483.55	\$ 731,063.55	\$ 1,052,580.55	\$ 196,424.83	\$ 515,944.83	\$ 835,464.83	\$ 1,202,912.83	
% Increase	17.01%	2.80%	1.05%	0.64%	0.45%	2.76%	1.03%	0.64%	0.44%	2.74%	1.03%	0.63%	0.44%	2.72%	1.02%	0.63%	0.43%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GT - 69kV DISCOUNT vs RATE GT
With Demands Up to 20,000 KW
At Average Levels of kWh Use

DEMAND	5,000	5,000	5,000	5,000	5,000	10,000	10,000	10,000	10,000	15,000	15,000	15,000	15,000	20,000	20,000	20,000	20,000
Total kW	5,000	5,000	5,000	5,000	5,000	10,000	10,000	10,000	10,000	15,000	15,000	15,000	15,000	20,000	20,000	20,000	20,000
Total kVA	5,639	5,639	5,639	5,639	5,639	11,277	11,277	11,277	11,277	16,916	16,916	16,916	16,916	22,554	22,554	22,554	22,554
Total rkVA	2,606	2,606	2,606	2,606	2,606	5,213	5,213	5,213	5,213	7,819	7,819	7,819	7,819	10,426	10,426	10,426	10,426
Hrs Use	0	100	300	500	730	100	300	500	730	100	300	500	730	100	300	500	730
ENERGY USAGE																	
Monthly Energy Usage	0	500,000	1,500,000	2,500,000	3,650,000	1,000,000	3,000,000	5,000,000	7,300,000	1,500,000	4,500,000	7,500,000	10,950,000	2,000,000	6,000,000	10,000,000	14,600,000
Total Energy Usage	0	500,000	1,500,000	2,500,000	3,650,000	1,000,000	3,000,000	5,000,000	7,300,000	1,500,000	4,500,000	7,500,000	10,950,000	2,000,000	6,000,000	10,000,000	14,600,000

UNBUNDLED RATES - CURRENT

Distribution																		
All kVA @ \$0.353/kVA	\$ 1,990.86	\$ 1,990.86	\$ 1,990.86	\$ 1,990.86	\$ 1,990.86	\$ 3,981.73	\$ 3,981.73	\$ 3,981.73	\$ 3,981.73	\$ 5,972.59	\$ 5,972.59	\$ 5,972.59	\$ 5,972.59	\$ 7,963.46	\$ 7,963.46	\$ 7,963.46	\$ 7,963.46	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 90.00	\$ 270.00	\$ 450.00	\$ 657.00	\$ 180.00	\$ 540.00	\$ 900.00	\$ 1,314.00	\$ 270.00	\$ 810.00	\$ 1,350.00	\$ 1,971.00	\$ 360.00	\$ 1,080.00	\$ 1,800.00	\$ 2,628.00	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 480.00	\$ 480.00	\$ 480.00	\$ 480.00	\$ 480.00	\$ 960.00	\$ 960.00	\$ 960.00	\$ 960.00	\$ 1,440.00	\$ 1,440.00	\$ 1,440.00	\$ 1,440.00	\$ 1,920.00	\$ 1,920.00	\$ 1,920.00	\$ 1,920.00	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00	\$ 4,200.00	\$ 4,200.00	\$ 4,200.00	\$ 4,200.00	\$ 5,600.00	\$ 5,600.00	\$ 5,600.00	\$ 5,600.00	
Smart Meter Charge @ \$4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	
Sub-Total	\$ 1,884.13	\$ 1,974.13	\$ 2,154.13	\$ 2,334.13	\$ 2,514.13	\$ 3,944.13	\$ 4,304.13	\$ 4,664.13	\$ 5,078.13	\$ 5,914.13	\$ 6,454.13	\$ 6,994.13	\$ 7,615.13	\$ 7,884.13	\$ 8,604.13	\$ 9,324.13	\$ 10,152.13	
PTC Charge																		
All kWh @ \$ 0.03976 /kWh	\$ -	\$ 19,880.00	\$ 59,640.00	\$ 99,400.00	\$ 145,124.00	\$ 39,760.00	\$ 119,280.00	\$ 198,800.00	\$ 290,248.00	\$ 59,640.00	\$ 178,920.00	\$ 298,200.00	\$ 435,372.00	\$ 79,520.00	\$ 238,560.00	\$ 397,600.00	\$ 580,496.00	
Sub Total	\$ 3,874.99	\$ 23,844.99	\$ 63,784.99	\$ 103,724.99	\$ 149,655.99	\$ 47,685.86	\$ 127,565.86	\$ 207,445.86	\$ 299,307.86	\$ 71,526.72	\$ 191,346.72	\$ 311,166.72	\$ 448,959.72	\$ 95,367.59	\$ 255,127.59	\$ 414,887.59	\$ 598,611.59	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 3,874.99	\$ 23,844.99	\$ 63,784.99	\$ 103,724.99	\$ 149,655.99	\$ 47,685.86	\$ 127,565.86	\$ 207,445.86	\$ 299,307.86	\$ 71,526.72	\$ 191,346.72	\$ 311,166.72	\$ 448,959.72	\$ 95,367.59	\$ 255,127.59	\$ 414,887.59	\$ 598,611.59	

UNBUNDLED RATES - PROPOSED

Distribution																		
Distribution Charge @ \$254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	
All kW @ \$0.43/kW	\$ 2,150.00	\$ 2,150.00	\$ 2,150.00	\$ 2,150.00	\$ 2,150.00	\$ 4,300.00	\$ 4,300.00	\$ 4,300.00	\$ 4,300.00	\$ 6,450.00	\$ 6,450.00	\$ 6,450.00	\$ 6,450.00	\$ 8,600.00	\$ 8,600.00	\$ 8,600.00	\$ 8,600.00	
All rkVA @ \$0.20 /rkVA	\$ 521.28	\$ 521.28	\$ 521.28	\$ 521.28	\$ 521.28	\$ 1,042.57	\$ 1,042.57	\$ 1,042.57	\$ 1,042.57	\$ 1,563.85	\$ 1,563.85	\$ 1,563.85	\$ 1,563.85	\$ 2,085.14	\$ 2,085.14	\$ 2,085.14	\$ 2,085.14	
Sub-Total	\$ 2,925.84	\$ 2,925.84	\$ 2,925.84	\$ 2,925.84	\$ 2,925.84	\$ 5,597.13	\$ 5,597.13	\$ 5,597.13	\$ 5,597.13	\$ 8,268.41	\$ 8,268.41	\$ 8,268.41	\$ 8,268.41	\$ 10,939.70	\$ 10,939.70	\$ 10,939.70	\$ 10,939.70	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 90.00	\$ 270.00	\$ 450.00	\$ 657.00	\$ 180.00	\$ 540.00	\$ 900.00	\$ 1,314.00	\$ 270.00	\$ 810.00	\$ 1,350.00	\$ 1,971.00	\$ 360.00	\$ 1,080.00	\$ 1,800.00	\$ 2,628.00	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 480.00	\$ 480.00	\$ 480.00	\$ 480.00	\$ 480.00	\$ 960.00	\$ 960.00	\$ 960.00	\$ 960.00	\$ 1,440.00	\$ 1,440.00	\$ 1,440.00	\$ 1,440.00	\$ 1,920.00	\$ 1,920.00	\$ 1,920.00	\$ 1,920.00	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00	\$ 4,200.00	\$ 4,200.00	\$ 4,200.00	\$ 4,200.00	\$ 5,600.00	\$ 5,600.00	\$ 5,600.00	\$ 5,600.00	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ 1,880.00	\$ 1,970.00	\$ 2,150.00	\$ 2,330.00	\$ 2,537.00	\$ 3,940.00	\$ 4,300.00	\$ 4,660.00	\$ 5,074.00	\$ 5,910.00	\$ 6,450.00	\$ 6,990.00	\$ 7,611.00	\$ 7,880.00	\$ 8,600.00	\$ 9,320.00	\$ 10,148.00	
PTC Charge																		
All kWh @ \$ 0.03976 /kWh	\$ -	\$ 19,880.00	\$ 59,640.00	\$ 99,400.00	\$ 145,124.00	\$ 39,760.00	\$ 119,280.00	\$ 198,800.00	\$ 290,248.00	\$ 59,640.00	\$ 178,920.00	\$ 298,200.00	\$ 435,372.00	\$ 79,520.00	\$ 238,560.00	\$ 397,600.00	\$ 580,496.00	
Sub Total	\$ 4,805.84	\$ 24,775.84	\$ 64,715.84	\$ 104,655.84	\$ 150,586.84	\$ 49,297.13	\$ 129,177.13	\$ 209,057.13	\$ 300,919.13	\$ 73,818.41	\$ 193,638.41	\$ 313,458.41	\$ 451,251.41	\$ 98,339.70	\$ 258,099.70	\$ 417,859.70	\$ 601,583.70	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 4,805.84	\$ 24,775.84	\$ 64,715.84	\$ 104,655.84	\$ 150,586.84	\$ 49,297.13	\$ 129,177.13	\$ 209,057.13	\$ 300,919.13	\$ 73,818.41	\$ 193,638.41	\$ 313,458.41	\$ 451,251.41	\$ 98,339.70	\$ 258,099.70	\$ 417,859.70	\$ 601,583.70	
% Increase	24.02%	3.90%	1.46%	0.90%	0.62%	3.38%	1.26%	0.78%	0.54%	3.20%	1.20%	0.74%	0.51%	3.12%	1.16%	0.72%	0.50%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GT - 69KV DISCOUNT vs RATE GT
With Demands Over 20,000 KW
At Average Levels of kWh Use

DEMAND	25,000	25,000	25,000	25,000	25,000	30,000	30,000	30,000	30,000	35,000	35,000	35,000	35,000	40,000	40,000	40,000	40,000
Total kW	25,000	25,000	25,000	25,000	25,000	30,000	30,000	30,000	30,000	35,000	35,000	35,000	35,000	40,000	40,000	40,000	40,000
Total kVA	28,193	28,193	28,193	28,193	28,193	33,831	33,831	33,831	33,831	39,470	39,470	39,470	39,470	45,109	45,109	45,109	45,109
Total kVA	13,032	13,032	13,032	13,032	13,032	15,639	15,639	15,639	15,639	18,245	18,245	18,245	18,245	20,851	20,851	20,851	20,851
Hrs Use	0	100	300	500	730	100	300	500	730	100	300	500	730	100	300	500	730
ENERGY USAGE																	
Monthly Energy Usage	0	2,500,000	7,500,000	12,500,000	18,250,000	3,000,000	9,000,000	15,000,000	21,900,000	3,500,000	10,500,000	17,500,000	25,500,000	4,000,000	12,000,000	20,000,000	29,200,000
Total Energy Usage	0	2,500,000	7,500,000	12,500,000	18,250,000	3,000,000	9,000,000	15,000,000	21,900,000	3,500,000	10,500,000	17,500,000	25,500,000	4,000,000	12,000,000	20,000,000	29,200,000

UNBUNDLED RATES - CURRENT

Distribution																		
All kVA @ \$0.353/kVA	\$ 9,954.32	\$ 9,954.32	\$ 9,954.32	\$ 9,954.32	\$ 9,954.32	\$ 11,945.19	\$ 11,945.19	\$ 11,945.19	\$ 11,945.19	\$ 13,936.05	\$ 13,936.05	\$ 13,936.05	\$ 13,936.05	\$ 15,926.92	\$ 15,926.92	\$ 15,926.92	\$ 15,926.92	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 450.00	\$ 1,350.00	\$ 2,250.00	\$ 3,285.00	\$ 540.00	\$ 1,620.00	\$ 2,700.00	\$ 3,942.00	\$ 630.00	\$ 1,890.00	\$ 3,150.00	\$ 4,599.00	\$ 720.00	\$ 2,160.00	\$ 3,600.00	\$ 5,256.00	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	\$ 2,880.00	\$ 2,880.00	\$ 2,880.00	\$ 2,880.00	\$ 3,360.00	\$ 3,360.00	\$ 3,360.00	\$ 3,360.00	\$ 3,840.00	\$ 3,840.00	\$ 3,840.00	\$ 3,840.00	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00	\$ 8,400.00	\$ 8,400.00	\$ 8,400.00	\$ 8,400.00	\$ 9,800.00	\$ 9,800.00	\$ 9,800.00	\$ 9,800.00	\$ 11,200.00	\$ 11,200.00	\$ 11,200.00	\$ 11,200.00	
Smart Meter Charge @ \$4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	
Sub-Total	\$ 9,404.13	\$ 9,854.13	\$ 10,754.13	\$ 11,654.13	\$ 12,689.13	\$ 11,824.13	\$ 12,904.13	\$ 13,984.13	\$ 15,226.13	\$ 13,794.13	\$ 15,054.13	\$ 16,314.13	\$ 17,763.13	\$ 15,764.13	\$ 17,204.13	\$ 18,644.13	\$ 20,300.13	
PTC Charge																		
All kWh @ \$ 0.03976 /kWh	\$ -	\$ 99,400.00	\$ 298,200.00	\$ 497,000.00	\$ 725,620.00	\$ 119,280.00	\$ 357,840.00	\$ 596,400.00	\$ 870,744.00	\$ 139,160.00	\$ 417,480.00	\$ 695,800.00	\$ 1,015,868.00	\$ 159,040.00	\$ 477,120.00	\$ 795,200.00	\$ 1,160,992.00	
Sub Total	\$ 19,358.45	\$ 119,208.45	\$ 318,908.45	\$ 518,608.45	\$ 748,263.45	\$ 143,049.32	\$ 382,689.32	\$ 622,329.32	\$ 897,915.32	\$ 166,890.18	\$ 446,470.18	\$ 726,050.18	\$ 1,047,567.18	\$ 190,731.05	\$ 510,251.05	\$ 829,771.05	\$ 1,197,219.05	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 19,358.45	\$ 119,208.45	\$ 318,908.45	\$ 518,608.45	\$ 748,263.45	\$ 143,049.32	\$ 382,689.32	\$ 622,329.32	\$ 897,915.32	\$ 166,890.18	\$ 446,470.18	\$ 726,050.18	\$ 1,047,567.18	\$ 190,731.05	\$ 510,251.05	\$ 829,771.05	\$ 1,197,219.05	

UNBUNDLED RATES - PROPOSED

Distribution																		
Distribution Charge @ \$254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	
All kW @ \$0.43/kW	\$ 10,750.00	\$ 10,750.00	\$ 10,750.00	\$ 10,750.00	\$ 10,750.00	\$ 12,900.00	\$ 12,900.00	\$ 12,900.00	\$ 12,900.00	\$ 15,050.00	\$ 15,050.00	\$ 15,050.00	\$ 15,050.00	\$ 17,200.00	\$ 17,200.00	\$ 17,200.00	\$ 17,200.00	
All kVA @ \$0.20 /kVA	\$ 2,606.42	\$ 2,606.42	\$ 2,606.42	\$ 2,606.42	\$ 2,606.42	\$ 3,127.70	\$ 3,127.70	\$ 3,127.70	\$ 3,127.70	\$ 3,648.99	\$ 3,648.99	\$ 3,648.99	\$ 3,648.99	\$ 4,170.27	\$ 4,170.27	\$ 4,170.27	\$ 4,170.27	
Sub-Total	\$ 13,610.98	\$ 13,610.98	\$ 13,610.98	\$ 13,610.98	\$ 13,610.98	\$ 16,282.26	\$ 16,282.26	\$ 16,282.26	\$ 16,282.26	\$ 18,953.55	\$ 18,953.55	\$ 18,953.55	\$ 18,953.55	\$ 21,624.83	\$ 21,624.83	\$ 21,624.83	\$ 21,624.83	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 450.00	\$ 1,350.00	\$ 2,250.00	\$ 3,285.00	\$ 540.00	\$ 1,620.00	\$ 2,700.00	\$ 3,942.00	\$ 630.00	\$ 1,890.00	\$ 3,150.00	\$ 4,599.00	\$ 720.00	\$ 2,160.00	\$ 3,600.00	\$ 5,256.00	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	\$ 2,880.00	\$ 2,880.00	\$ 2,880.00	\$ 2,880.00	\$ 3,360.00	\$ 3,360.00	\$ 3,360.00	\$ 3,360.00	\$ 3,840.00	\$ 3,840.00	\$ 3,840.00	\$ 3,840.00	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00	\$ 8,400.00	\$ 8,400.00	\$ 8,400.00	\$ 8,400.00	\$ 9,800.00	\$ 9,800.00	\$ 9,800.00	\$ 9,800.00	\$ 11,200.00	\$ 11,200.00	\$ 11,200.00	\$ 11,200.00	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ 9,400.00	\$ 9,850.00	\$ 10,750.00	\$ 11,650.00	\$ 12,685.00	\$ 11,820.00	\$ 12,900.00	\$ 13,980.00	\$ 15,222.00	\$ 13,790.00	\$ 15,050.00	\$ 16,310.00	\$ 17,759.00	\$ 15,760.00	\$ 17,200.00	\$ 18,640.00	\$ 20,296.00	
PTC Charge																		
All kWh @ \$ 0.03976 /kWh	\$ -	\$ 99,400.00	\$ 298,200.00	\$ 497,000.00	\$ 725,620.00	\$ 119,280.00	\$ 357,840.00	\$ 596,400.00	\$ 870,744.00	\$ 139,160.00	\$ 417,480.00	\$ 695,800.00	\$ 1,015,868.00	\$ 159,040.00	\$ 477,120.00	\$ 795,200.00	\$ 1,160,992.00	
Sub Total	\$ 23,010.98	\$ 122,860.98	\$ 322,560.98	\$ 522,260.98	\$ 751,915.98	\$ 147,382.26	\$ 387,022.26	\$ 626,662.26	\$ 902,248.26	\$ 171,903.55	\$ 451,483.55	\$ 731,063.55	\$ 1,052,580.55	\$ 196,424.83	\$ 515,944.83	\$ 835,464.83	\$ 1,202,912.83	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 23,010.98	\$ 122,860.98	\$ 322,560.98	\$ 522,260.98	\$ 751,915.98	\$ 147,382.26	\$ 387,022.26	\$ 626,662.26	\$ 902,248.26	\$ 171,903.55	\$ 451,483.55	\$ 731,063.55	\$ 1,052,580.55	\$ 196,424.83	\$ 515,944.83	\$ 835,464.83	\$ 1,202,912.83	
% Increase	18.87%	3.06%	1.15%	0.70%	0.49%	3.03%	1.13%	0.70%	0.48%	3.00%	1.12%	0.69%	0.48%	2.99%	1.12%	0.69%	0.48%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GT - 138kV DISCOUNT vs RATE GT - 115kV DISCOUNT
With Demands Up to 20,000 KW
At Average Levels of kWh Use

DEMAND	5,000	5,000	5,000	5,000	5,000	10,000	10,000	10,000	10,000	15,000	15,000	15,000	15,000	20,000	20,000	20,000	20,000	
Total kW	5,000	5,000	5,000	5,000	5,000	10,000	10,000	10,000	10,000	15,000	15,000	15,000	15,000	20,000	20,000	20,000	20,000	
Total kVA	5,639	5,639	5,639	5,639	5,639	11,277	11,277	11,277	11,277	16,916	16,916	16,916	16,916	22,554	22,554	22,554	22,554	
Total rkVA	2,606	2,606	2,606	2,606	2,606	5,213	5,213	5,213	5,213	7,819	7,819	7,819	7,819	10,426	10,426	10,426	10,426	
Hrs Use	0	100	300	500	730	100	300	500	730	100	300	500	730	100	300	500	730	
ENERGY USAGE																		
Monthly Energy Usage	0	500,000	1,500,000	2,500,000	3,650,000	1,000,000	3,000,000	5,000,000	7,300,000	1,500,000	4,500,000	7,500,000	10,950,000	2,000,000	6,000,000	10,000,000	14,600,000	
Total Energy Usage	0	500,000	1,500,000	2,500,000	3,650,000	1,000,000	3,000,000	5,000,000	7,300,000	1,500,000	4,500,000	7,500,000	10,950,000	2,000,000	6,000,000	10,000,000	14,600,000	
UNBUNDLED RATES - CURRENT																		
Distribution																		
All kVA @ \$0.346/kVA	\$ 1,949.82	\$ 1,949.82	\$ 1,949.82	\$ 1,949.82	\$ 1,949.82	\$ 3,899.63	\$ 3,899.63	\$ 3,899.63	\$ 3,899.63	\$ 5,849.45	\$ 5,849.45	\$ 5,849.45	\$ 5,849.45	\$ 7,799.26	\$ 7,799.26	\$ 7,799.26	\$ 7,799.26	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 90.00	\$ 270.00	\$ 450.00	\$ 657.00	\$ 180.00	\$ 540.00	\$ 900.00	\$ 1,314.00	\$ 270.00	\$ 810.00	\$ 1,350.00	\$ 1,971.00	\$ 360.00	\$ 1,080.00	\$ 1,800.00	\$ 2,628.00	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 480.00	\$ 480.00	\$ 480.00	\$ 480.00	\$ 480.00	\$ 960.00	\$ 960.00	\$ 960.00	\$ 960.00	\$ 1,440.00	\$ 1,440.00	\$ 1,440.00	\$ 1,440.00	\$ 1,920.00	\$ 1,920.00	\$ 1,920.00	\$ 1,920.00	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00	\$ 4,200.00	\$ 4,200.00	\$ 4,200.00	\$ 4,200.00	\$ 5,600.00	\$ 5,600.00	\$ 5,600.00	\$ 5,600.00	
Smart Meter Charge @ \$4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	\$ 4.13	
Sub-Total	\$ 1,884.13	\$ 1,974.13	\$ 2,154.13	\$ 2,334.13	\$ 2,514.13	\$ 3,944.13	\$ 4,304.13	\$ 4,664.13	\$ 5,078.13	\$ 5,914.13	\$ 6,454.13	\$ 6,994.13	\$ 7,615.13	\$ 7,884.13	\$ 8,604.13	\$ 9,324.13	\$ 10,152.13	
PTC Charge																		
All kWh @ \$ 0.03976 /kWh	\$ -	\$ 19,880.00	\$ 59,640.00	\$ 99,400.00	\$ 145,124.00	\$ 39,760.00	\$ 119,280.00	\$ 198,800.00	\$ 290,248.00	\$ 59,640.00	\$ 178,920.00	\$ 298,200.00	\$ 435,372.00	\$ 79,520.00	\$ 238,560.00	\$ 397,600.00	\$ 580,496.00	
Sub Total	\$ 3,833.95	\$ 23,803.95	\$ 63,743.95	\$ 103,683.95	\$ 149,614.95	\$ 47,603.76	\$ 127,483.76	\$ 207,363.76	\$ 299,225.76	\$ 71,403.58	\$ 191,223.58	\$ 311,043.58	\$ 448,836.58	\$ 95,203.39	\$ 254,963.39	\$ 414,723.39	\$ 598,447.39	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 3,833.95	\$ 23,803.95	\$ 63,743.95	\$ 103,683.95	\$ 149,614.95	\$ 47,603.76	\$ 127,483.76	\$ 207,363.76	\$ 299,225.76	\$ 71,403.58	\$ 191,223.58	\$ 311,043.58	\$ 448,836.58	\$ 95,203.39	\$ 254,963.39	\$ 414,723.39	\$ 598,447.39	
UNBUNDLED RATES - PROPOSED																		
Distribution																		
Distribution Charge @ \$254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	\$ 254.56	
All kW @ \$0.30/kW	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 4,500.00	\$ 4,500.00	\$ 4,500.00	\$ 4,500.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	
All rKVA @ \$0.20 /rKVA	\$ 521.28	\$ 521.28	\$ 521.28	\$ 521.28	\$ 521.28	\$ 1,042.57	\$ 1,042.57	\$ 1,042.57	\$ 1,042.57	\$ 1,563.85	\$ 1,563.85	\$ 1,563.85	\$ 1,563.85	\$ 2,085.14	\$ 2,085.14	\$ 2,085.14	\$ 2,085.14	
Sub-Total	\$ 2,275.84	\$ 2,275.84	\$ 2,275.84	\$ 2,275.84	\$ 2,275.84	\$ 4,297.13	\$ 4,297.13	\$ 4,297.13	\$ 4,297.13	\$ 6,318.41	\$ 6,318.41	\$ 6,318.41	\$ 6,318.41	\$ 8,339.70	\$ 8,339.70	\$ 8,339.70	\$ 8,339.70	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 90.00	\$ 270.00	\$ 450.00	\$ 657.00	\$ 180.00	\$ 540.00	\$ 900.00	\$ 1,314.00	\$ 270.00	\$ 810.00	\$ 1,350.00	\$ 1,971.00	\$ 360.00	\$ 1,080.00	\$ 1,800.00	\$ 2,628.00	
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$ 480.00	\$ 480.00	\$ 480.00	\$ 480.00	\$ 480.00	\$ 960.00	\$ 960.00	\$ 960.00	\$ 960.00	\$ 1,440.00	\$ 1,440.00	\$ 1,440.00	\$ 1,440.00	\$ 1,920.00	\$ 1,920.00	\$ 1,920.00	\$ 1,920.00	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 1,400.00	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00	\$ 4,200.00	\$ 4,200.00	\$ 4,200.00	\$ 4,200.00	\$ 5,600.00	\$ 5,600.00	\$ 5,600.00	\$ 5,600.00	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ 1,880.00	\$ 1,970.00	\$ 2,150.00	\$ 2,330.00	\$ 2,537.00	\$ 3,940.00	\$ 4,300.00	\$ 4,660.00	\$ 5,074.00	\$ 5,910.00	\$ 6,450.00	\$ 6,990.00	\$ 7,611.00	\$ 7,880.00	\$ 8,600.00	\$ 9,320.00	\$ 10,148.00	
PTC Charge																		
All kWh @ \$ 0.03976 /kWh	\$ -	\$ 19,880.00	\$ 59,640.00	\$ 99,400.00	\$ 145,124.00	\$ 39,760.00	\$ 119,280.00	\$ 198,800.00	\$ 290,248.00	\$ 59,640.00	\$ 178,920.00	\$ 298,200.00	\$ 435,372.00	\$ 79,520.00	\$ 238,560.00	\$ 397,600.00	\$ 580,496.00	
Sub Total	\$ 4,155.84	\$ 24,125.84	\$ 64,065.84	\$ 104,005.84	\$ 149,936.84	\$ 47,997.13	\$ 127,877.13	\$ 207,757.13	\$ 299,619.13	\$ 71,868.41	\$ 191,688.41	\$ 311,508.41	\$ 449,301.41	\$ 95,739.70	\$ 255,499.70	\$ 415,259.70	\$ 598,983.70	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 4,155.84	\$ 24,125.84	\$ 64,065.84	\$ 104,005.84	\$ 149,936.84	\$ 47,997.13	\$ 127,877.13	\$ 207,757.13	\$ 299,619.13	\$ 71,868.41	\$ 191,688.41	\$ 311,508.41	\$ 449,301.41	\$ 95,739.70	\$ 255,499.70	\$ 415,259.70	\$ 598,983.70	
% Increase	8.40%	1.35%	0.50%	0.31%	0.22%	0.83%	0.31%	0.19%	0.13%	0.65%	0.24%	0.15%	0.10%	0.56%	0.21%	0.13%	0.09%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE GT - 138kV DISCOUNT vs RATE GT - 115kV DISCOUNT
With Demands Over 20,000 KW
At Average Levels of kWh Use

DEMAND	25,000	25,000	25,000	25,000	25,000	30,000	30,000	30,000	30,000	35,000	35,000	35,000	35,000	40,000	40,000	40,000	40,000
Total kW	25,000	25,000	25,000	25,000	25,000	30,000	30,000	30,000	30,000	35,000	35,000	35,000	35,000	40,000	40,000	40,000	40,000
Total kVA	28,193	28,193	28,193	28,193	28,193	33,831	33,831	33,831	33,831	39,470	39,470	39,470	39,470	45,109	45,109	45,109	45,109
Total kVA	13,032	13,032	13,032	13,032	13,032	15,639	15,639	15,639	15,639	18,245	18,245	18,245	18,245	20,851	20,851	20,851	20,851
Hrs Use	0	100	300	500	730	100	300	500	730	100	300	500	730	100	300	500	730
ENERGY USAGE																	
Monthly Energy Usage	0	2,500,000	7,500,000	12,500,000	18,250,000	3,000,000	9,000,000	15,000,000	21,900,000	3,500,000	10,500,000	17,500,000	25,550,000	4,000,000	12,000,000	20,000,000	29,200,000
Total Energy Usage	0	2,500,000	7,500,000	12,500,000	18,250,000	3,000,000	9,000,000	15,000,000	21,900,000	3,500,000	10,500,000	17,500,000	25,550,000	4,000,000	12,000,000	20,000,000	29,200,000

UNBUNDLED RATES - CURRENT

Distribution																																		
All kVA @ \$0.346/kVA	\$	9,749.08	\$	9,749.08	\$	9,749.08	\$	9,749.08	\$	9,749.08	\$	11,698.90	\$	11,698.90	\$	11,698.90	\$	11,698.90	\$	13,648.71	\$	13,648.71	\$	13,648.71	\$	13,648.71	\$	15,598.53	\$	15,598.53	\$	15,598.53	\$	15,598.53
Riders																																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$	-	\$	450.00	\$	1,350.00	\$	2,250.00	\$	3,285.00	\$	540.00	\$	1,620.00	\$	2,700.00	\$	3,942.00	\$	630.00	\$	1,890.00	\$	3,150.00	\$	4,599.00	\$	720.00	\$	2,160.00	\$	3,600.00	\$	5,256.00
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$	2,400.00	\$	2,400.00	\$	2,400.00	\$	2,400.00	\$	2,400.00	\$	2,880.00	\$	2,880.00	\$	2,880.00	\$	2,880.00	\$	3,360.00	\$	3,360.00	\$	3,360.00	\$	3,360.00	\$	3,840.00	\$	3,840.00	\$	3,840.00	\$	3,840.00
Consumer Education Charge @ 0.000 ¢/kWh	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$	7,000.00	\$	7,000.00	\$	7,000.00	\$	7,000.00	\$	7,000.00	\$	8,400.00	\$	8,400.00	\$	8,400.00	\$	8,400.00	\$	9,800.00	\$	9,800.00	\$	9,800.00	\$	9,800.00	\$	11,200.00	\$	11,200.00	\$	11,200.00	\$	11,200.00
Smart Meter Charge @ \$4.13	\$	4.13	\$	4.13	\$	4.13	\$	4.13	\$	4.13	\$	4.13	\$	4.13	\$	4.13	\$	4.13	\$	4.13	\$	4.13	\$	4.13	\$	4.13	\$	4.13	\$	4.13	\$	4.13	\$	4.13
Sub-Total	\$	9,404.13	\$	9,854.13	\$	10,754.13	\$	11,654.13	\$	12,689.13	\$	11,824.13	\$	12,904.13	\$	13,984.13	\$	15,226.13	\$	13,794.13	\$	15,054.13	\$	16,314.13	\$	17,763.13	\$	15,764.13	\$	17,204.13	\$	18,644.13	\$	20,300.13
PTC Charge																																		
All kWh @ \$ 0.03976 /kWh	\$	-	\$	99,400.00	\$	298,200.00	\$	497,000.00	\$	725,620.00	\$	119,280.00	\$	357,840.00	\$	596,400.00	\$	870,744.00	\$	139,160.00	\$	417,480.00	\$	695,800.00	\$	1,015,868.00	\$	159,040.00	\$	477,120.00	\$	795,200.00	\$	1,160,992.00
Sub Total	\$	19,153.21	\$	119,003.21	\$	318,703.21	\$	518,403.21	\$	748,058.21	\$	142,803.03	\$	382,443.03	\$	622,083.03	\$	897,669.03	\$	166,602.84	\$	446,182.84	\$	725,762.84	\$	1,047,279.84	\$	190,402.66	\$	509,922.66	\$	829,442.66	\$	1,196,890.66
STAS @ 0.00 %	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total Bill	\$	19,153.21	\$	119,003.21	\$	318,703.21	\$	518,403.21	\$	748,058.21	\$	142,803.03	\$	382,443.03	\$	622,083.03	\$	897,669.03	\$	166,602.84	\$	446,182.84	\$	725,762.84	\$	1,047,279.84	\$	190,402.66	\$	509,922.66	\$	829,442.66	\$	1,196,890.66

UNBUNDLED RATES - PROPOSED

Distribution																																		
Distribution Charge @ \$254.56	\$	254.56	\$	254.56	\$	254.56	\$	254.56	\$	254.56	\$	254.56	\$	254.56	\$	254.56	\$	254.56	\$	254.56	\$	254.56	\$	254.56	\$	254.56	\$	254.56	\$	254.56	\$	254.56	\$	254.56
All kW @ \$0.30/kW	\$	7,500.00	\$	7,500.00	\$	7,500.00	\$	7,500.00	\$	7,500.00	\$	9,000.00	\$	9,000.00	\$	9,000.00	\$	9,000.00	\$	10,500.00	\$	10,500.00	\$	10,500.00	\$	10,500.00	\$	12,000.00	\$	12,000.00	\$	12,000.00	\$	12,000.00
All kVA @ \$0.20 /kVA	\$	2,606.42	\$	2,606.42	\$	2,606.42	\$	2,606.42	\$	2,606.42	\$	3,127.70	\$	3,127.70	\$	3,127.70	\$	3,127.70	\$	3,648.99	\$	3,648.99	\$	3,648.99	\$	3,648.99	\$	4,170.27	\$	4,170.27	\$	4,170.27	\$	4,170.27
Sub-Total	\$	10,360.98	\$	10,360.98	\$	10,360.98	\$	10,360.98	\$	10,360.98	\$	12,382.26	\$	12,382.26	\$	12,382.26	\$	12,382.26	\$	14,403.55	\$	14,403.55	\$	14,403.55	\$	14,403.55	\$	16,424.83	\$	16,424.83	\$	16,424.83	\$	16,424.83
Riders																																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$	-	\$	450.00	\$	1,350.00	\$	2,250.00	\$	3,285.00	\$	540.00	\$	1,620.00	\$	2,700.00	\$	3,942.00	\$	630.00	\$	1,890.00	\$	3,150.00	\$	4,599.00	\$	720.00	\$	2,160.00	\$	3,600.00	\$	5,256.00
Default Service Support Charge @ \$ 0.09600 /kW NSPL	\$	2,400.00	\$	2,400.00	\$	2,400.00	\$	2,400.00	\$	2,400.00	\$	2,880.00	\$	2,880.00	\$	2,880.00	\$	2,880.00	\$	3,360.00	\$	3,360.00	\$	3,360.00	\$	3,360.00	\$	3,840.00	\$	3,840.00	\$	3,840.00	\$	3,840.00
Consumer Education Charge @ 0.000 ¢/kWh	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Energy Efficiency Charge @ \$ 0.00 /kW PLC	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Phase II Energy Efficiency Charge @ \$ 0.28 /kW PLC	\$	7,000.00	\$	7,000.00	\$	7,000.00	\$	7,000.00	\$	7,000.00	\$	8,400.00	\$	8,400.00	\$	8,400.00	\$	8,400.00	\$	9,800.00	\$	9,800.00	\$	9,800.00	\$	9,800.00	\$	11,200.00	\$	11,200.00	\$	11,200.00	\$	11,200.00
Smart Meter Charge @ \$0.00	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Sub-Total	\$	9,400.00	\$	9,850.00	\$	10,750.00	\$	11,650.00	\$	12,685.00	\$	11,820.00	\$	12,900.00	\$	13,980.00	\$	15,222.00	\$	13,790.00	\$	15,050.00	\$	16,310.00	\$	17,759.00	\$	15,760.00	\$	17,200.00	\$	18,640.00	\$	20,296.00
PTC Charge																																		
All kWh @ \$ 0.03976 /kWh	\$	-	\$	99,400.00	\$	298,200.00	\$	497,000.00	\$	725,620.00	\$	119,280.00	\$	357,840.00	\$	596,400.00	\$	870,744.00	\$	139,160.00	\$	417,480.00	\$	695,800.00	\$	1,015,868.00	\$	159,040.00	\$	477,120.00	\$	795,200.00	\$	1,160,992.00
Sub Total	\$	19,760.98	\$	119,610.98	\$	319,310.98	\$	519,010.98	\$	748,665.98	\$	143,482.26	\$	383,122.26	\$	622,762.26	\$	898,348.26	\$	167,353.55	\$	446,933.55	\$	726,513.55	\$	1,048,030.55	\$	191,224.83	\$	510,744.83	\$	830,264.83	\$	1,197,712.83
STAS @ 0.00 %	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total Bill	\$	19,760.98	\$	119,610.98	\$	319,310.98	\$	519,010.98	\$	748,665.98	\$	143,482.26	\$	383,122.26	\$	622,762.26	\$	898,348.26	\$	167,353.55	\$	446,933.55	\$	726,513.55	\$	1,048,030.55	\$	191,224.83	\$	510,744.83	\$	830,264.83	\$	1,197,712.83
% Increase		3.17%		0.51%		0.19%		0.12%		0.08%		0.48%		0.18%		0.11%		0.08%		0.45%		0.17%		0.10%		0.07%		0.43%		0.16%		0.10%		0.0

**PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
RATE PNP - PUBLIC OR NON-PROFIT ORGANIZATION**

ENERGY USAGE

All kWh	0	50	100	250	500	750	900	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000
Total Energy Usage	0	50	100	250	500	750	900	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000

UNBUNDLED RATES - CURRENT

Distribution																
Distribution Charge @ \$8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89	\$ 8.89
All kWh @ 2.263 ¢/kWh	\$ -	\$ 1.13	\$ 2.26	\$ 5.66	\$ 11.32	\$ 16.97	\$ 20.37	\$ 22.63	\$ 33.95	\$ 45.26	\$ 56.58	\$ 67.89	\$ 79.21	\$ 90.52	\$ 101.84	\$ 113.15
Sub-Total	\$ 8.89	\$ 10.02	\$ 11.15	\$ 14.55	\$ 20.21	\$ 25.86	\$ 29.26	\$ 31.52	\$ 42.84	\$ 54.15	\$ 65.47	\$ 76.78	\$ 88.10	\$ 99.41	\$ 110.73	\$ 122.04
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.01	\$ 0.02	\$ 0.05	\$ 0.09	\$ 0.14	\$ 0.16	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.63	\$ 0.72	\$ 0.81	\$ 0.90
Default Service Support Charge @ \$ 0.033 /kWh	\$ -	\$ 0.02	\$ 0.03	\$ 0.08	\$ 0.17	\$ 0.25	\$ 0.30	\$ 0.33	\$ 0.50	\$ 0.66	\$ 0.83	\$ 0.99	\$ 1.16	\$ 1.32	\$ 1.49	\$ 1.65
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.630 ¢/kWh	\$ -	\$ 0.32	\$ 0.63	\$ 1.58	\$ 3.15	\$ 4.73	\$ 5.67	\$ 6.30	\$ 9.45	\$ 12.60	\$ 15.75	\$ 18.90	\$ 22.05	\$ 25.20	\$ 28.35	\$ 31.50
Smart Meter Charge @ \$4.44	\$ 4.44	\$ 4.44	\$ 4.44	\$ 4.44	\$ 4.44	\$ 4.44	\$ 4.44	\$ 4.44	\$ 4.44	\$ 4.44	\$ 4.44	\$ 4.44	\$ 4.44	\$ 4.44	\$ 4.44	\$ 4.44
Sub-Total	\$ 4.44	\$ 4.78	\$ 5.12	\$ 6.14	\$ 7.85	\$ 9.55	\$ 10.57	\$ 11.25	\$ 14.66	\$ 18.06	\$ 21.47	\$ 24.87	\$ 28.28	\$ 31.68	\$ 35.09	\$ 38.49
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 2.99	\$ 5.97	\$ 14.93	\$ 29.86	\$ 44.78	\$ 53.74	\$ 59.71	\$ 89.57	\$ 119.42	\$ 149.28	\$ 179.13	\$ 208.99	\$ 238.84	\$ 268.70	\$ 298.55
Sub Total	\$ 13.33	\$ 17.79	\$ 22.25	\$ 35.62	\$ 57.91	\$ 80.19	\$ 93.57	\$ 102.48	\$ 147.06	\$ 191.63	\$ 236.21	\$ 280.78	\$ 325.36	\$ 369.93	\$ 414.51	\$ 459.08
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 13.33	\$ 17.79	\$ 22.25	\$ 35.62	\$ 57.91	\$ 80.19	\$ 93.57	\$ 102.48	\$ 147.06	\$ 191.63	\$ 236.21	\$ 280.78	\$ 325.36	\$ 369.93	\$ 414.51	\$ 459.08

UNBUNDLED RATES - PROPOSED

Distribution																
Distribution Charge @ \$13.33	\$ 13.33	\$ 13.33	\$ 13.33	\$ 13.33	\$ 13.33	\$ 13.33	\$ 13.33	\$ 13.33	\$ 13.33	\$ 13.33	\$ 13.33	\$ 13.33	\$ 13.33	\$ 13.33	\$ 13.33	\$ 13.33
All kWh @ 2.617 ¢/kWh	\$ -	\$ 1.31	\$ 2.62	\$ 6.54	\$ 13.09	\$ 19.63	\$ 23.55	\$ 26.17	\$ 39.26	\$ 52.34	\$ 65.43	\$ 78.51	\$ 91.60	\$ 104.68	\$ 117.77	\$ 130.85
Sub-Total	\$ 13.33	\$ 14.64	\$ 15.95	\$ 19.87	\$ 26.42	\$ 32.96	\$ 36.88	\$ 39.50	\$ 52.59	\$ 65.67	\$ 78.76	\$ 91.84	\$ 104.93	\$ 118.01	\$ 131.10	\$ 144.18
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.01	\$ 0.02	\$ 0.05	\$ 0.09	\$ 0.14	\$ 0.16	\$ 0.18	\$ 0.27	\$ 0.36	\$ 0.45	\$ 0.54	\$ 0.63	\$ 0.72	\$ 0.81	\$ 0.90
Default Service Support Charge @ \$ 0.033 ¢/kWh	\$ -	\$ 0.02	\$ 0.03	\$ 0.08	\$ 0.17	\$ 0.25	\$ 0.30	\$ 0.33	\$ 0.50	\$ 0.66	\$ 0.83	\$ 0.99	\$ 1.16	\$ 1.32	\$ 1.49	\$ 1.65
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.630 ¢/kWh	\$ -	\$ 0.32	\$ 0.63	\$ 1.58	\$ 3.15	\$ 4.73	\$ 5.67	\$ 6.30	\$ 9.45	\$ 12.60	\$ 15.75	\$ 18.90	\$ 22.05	\$ 25.20	\$ 28.35	\$ 31.50
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total	\$ -	\$ 0.34	\$ 0.68	\$ 1.70	\$ 3.41	\$ 5.11	\$ 6.13	\$ 6.81	\$ 10.22	\$ 13.62	\$ 17.03	\$ 20.43	\$ 23.84	\$ 27.24	\$ 30.65	\$ 34.05
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 2.99	\$ 5.97	\$ 14.93	\$ 29.86	\$ 44.78	\$ 53.74	\$ 59.71	\$ 89.57	\$ 119.42	\$ 149.28	\$ 179.13	\$ 208.99	\$ 238.84	\$ 268.70	\$ 298.55
Sub Total	\$ 13.33	\$ 17.96	\$ 22.60	\$ 36.50	\$ 59.68	\$ 82.85	\$ 96.75	\$ 106.02	\$ 152.37	\$ 198.71	\$ 245.06	\$ 291.40	\$ 337.75	\$ 384.09	\$ 430.44	\$ 476.78
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 13.33	\$ 17.96	\$ 22.60	\$ 36.50	\$ 59.68	\$ 82.85	\$ 96.75	\$ 106.02	\$ 152.37	\$ 198.71	\$ 245.06	\$ 291.40	\$ 337.75	\$ 384.09	\$ 430.44	\$ 476.78
% Increase	0.00%	1.00%	1.59%	2.48%	3.06%	3.31%	3.41%	3.45%	3.61%	3.69%	3.75%	3.78%	3.81%	3.83%	3.84%	3.86%

**PENNSYLVANIA POWER COMPANY
 COMPARISON BETWEEN PRESENT AND PROPOSED RATES
 PNP - OPTIONAL HEATING RATE
 EQUIPMENT WITH COOLING CAPABILITY
 With Demands 10 - 20 KW
 At Average Levels of kWh Use**

DEMAND		10	10	10	10	10	10	10	20	20	20	20	20	20	20
Total kW	0	10	10	10	10	10	10	10	20	20	20	20	20	20	20
Hrs Use	0	100	200	300	400	500	600	730	100	200	300	400	500	600	730
REACTIVE DEMAND															
rkVA	0	6	6	6	6	6	6	6	13	13	13	13	13	13	13
ENERGY USAGE															
Monthly Energy Usage	0	1,000	2,000	3,000	4,000	5,000	6,000	7,300	2,000	4,000	6,000	8,000	10,000	12,000	14,600
Total Energy Usage	0	1,000	2,000	3,000	4,000	5,000	6,000	7,300	2,000	4,000	6,000	8,000	10,000	12,000	14,600

UNBUNDLED RATES - CURRENT

Distribution																
Distribution Charge @ \$7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87
All kWh @ 1.340 ¢/kWh	\$ -	\$ 13.40	\$ 26.80	\$ 40.20	\$ 53.60	\$ 67.00	\$ 80.40	\$ 97.82	\$ 26.80	\$ 53.60	\$ 80.40	\$ 107.20	\$ 134.00	\$ 160.80	\$ 195.64	
Sub-Total	\$ 7.87	\$ 21.27	\$ 34.67	\$ 48.07	\$ 61.47	\$ 74.87	\$ 88.27	\$ 105.69	\$ 34.67	\$ 61.47	\$ 88.27	\$ 115.07	\$ 141.87	\$ 168.67	\$ 203.51	
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.18	\$ 0.36	\$ 0.54	\$ 0.72	\$ 0.90	\$ 1.08	\$ 1.31	\$ 0.36	\$ 0.72	\$ 1.08	\$ 1.44	\$ 1.80	\$ 2.16	\$ 2.63	
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.33	\$ 0.66	\$ 0.99	\$ 1.32	\$ 1.65	\$ 1.98	\$ 2.41	\$ 0.66	\$ 1.32	\$ 1.98	\$ 2.64	\$ 3.30	\$ 3.96	\$ 4.82	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 1.22	\$ 2.44	\$ 3.66	\$ 4.88	\$ 6.10	\$ 7.32	\$ 8.91	\$ 2.44	\$ 4.88	\$ 7.32	\$ 9.76	\$ 12.20	\$ 14.64	\$ 17.81	
Smart Meter Charge @ \$5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	
Sub-Total	\$ 5.86	\$ 7.59	\$ 9.32	\$ 11.05	\$ 12.78	\$ 14.51	\$ 16.24	\$ 18.49	\$ 9.32	\$ 12.78	\$ 16.24	\$ 19.70	\$ 23.16	\$ 26.62	\$ 31.12	
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 59.71	\$ 119.42	\$ 179.13	\$ 238.84	\$ 298.55	\$ 358.26	\$ 435.88	\$ 119.42	\$ 238.84	\$ 358.26	\$ 477.68	\$ 597.10	\$ 716.52	\$ 871.77	
Sub Total	\$ 13.73	\$ 88.57	\$ 163.41	\$ 238.25	\$ 313.09	\$ 387.93	\$ 462.77	\$ 560.06	\$ 163.41	\$ 313.09	\$ 462.77	\$ 612.45	\$ 762.13	\$ 911.81	\$ 1,106.39	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 13.73	\$ 88.57	\$ 163.41	\$ 238.25	\$ 313.09	\$ 387.93	\$ 462.77	\$ 560.06	\$ 163.41	\$ 313.09	\$ 462.77	\$ 612.45	\$ 762.13	\$ 911.81	\$ 1,106.39	

UNBUNDLED RATES - PROPOSED

Distribution																
Distribution Charge @ \$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17
All kW @ \$3.15/kW	\$ -	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	
All rkVA @ \$0.20/rkVA	\$ -	\$ 1.25	\$ 1.25	\$ 1.25	\$ 1.25	\$ 1.25	\$ 1.25	\$ 1.25	\$ 1.25	\$ 2.51	\$ 2.51	\$ 2.51	\$ 2.51	\$ 2.51	\$ 2.51	
Sub-Total	\$ 19.17	\$ 51.92	\$ 51.92	\$ 51.92	\$ 51.92	\$ 51.92	\$ 51.92	\$ 51.92	\$ 51.92	\$ 84.68	\$ 84.68	\$ 84.68	\$ 84.68	\$ 84.68	\$ 84.68	
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.18	\$ 0.36	\$ 0.54	\$ 0.72	\$ 0.90	\$ 1.08	\$ 1.31	\$ 0.36	\$ 0.72	\$ 1.08	\$ 1.44	\$ 1.80	\$ 2.16	\$ 2.63	
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.33	\$ 0.66	\$ 0.99	\$ 1.32	\$ 1.65	\$ 1.98	\$ 2.41	\$ 0.66	\$ 1.32	\$ 1.98	\$ 2.64	\$ 3.30	\$ 3.96	\$ 4.82	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 1.22	\$ 2.44	\$ 3.66	\$ 4.88	\$ 6.10	\$ 7.32	\$ 8.91	\$ 2.44	\$ 4.88	\$ 7.32	\$ 9.76	\$ 12.20	\$ 14.64	\$ 17.81	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ -	\$ 1.73	\$ 3.46	\$ 5.19	\$ 6.92	\$ 8.65	\$ 10.38	\$ 12.63	\$ 3.46	\$ 6.92	\$ 10.38	\$ 13.84	\$ 17.30	\$ 20.76	\$ 25.26	
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 59.71	\$ 119.42	\$ 179.13	\$ 238.84	\$ 298.55	\$ 358.26	\$ 435.88	\$ 119.42	\$ 238.84	\$ 358.26	\$ 477.68	\$ 597.10	\$ 716.52	\$ 871.77	
Sub Total	\$ 19.17	\$ 113.36	\$ 174.80	\$ 236.24	\$ 297.68	\$ 359.12	\$ 420.56	\$ 500.44	\$ 207.56	\$ 330.44	\$ 453.32	\$ 576.20	\$ 699.08	\$ 821.96	\$ 981.70	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 19.17	\$ 113.36	\$ 174.80	\$ 236.24	\$ 297.68	\$ 359.12	\$ 420.56	\$ 500.44	\$ 207.56	\$ 330.44	\$ 453.32	\$ 576.20	\$ 699.08	\$ 821.96	\$ 981.70	
% Increase	39.62%	27.99%	6.97%	-0.84%	-4.92%	-7.43%	-9.12%	-10.65%	27.02%	5.54%	-2.04%	-5.92%	-8.27%	-9.85%	-11.27%	

**PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
PNP - OPTIONAL HEATING RATE
EQUIPMENT WITH COOLING CAPABILITY
With Demands 25 - 100 KW
At Average Levels of kWh Use**

DEMAND	25	25	25	25	25	50	50	50	50	75	75	75	75	100	100	100	100
Total kW	25	25	25	25	25	50	50	50	50	75	75	75	75	100	100	100	100
Hrs Use	0	100	300	500	730	100	300	500	730	100	300	500	730	100	300	500	730
REACTIVE DEMAND																	
rKVA	16	16	16	16	16	31	31	31	31	47	47	47	47	63	63	63	63
ENERGY USAGE																	
Monthly Energy Usage	0	2,500	7,500	12,500	18,250	5,000	15,000	25,000	36,500	7,500	22,500	37,500	54,750	10,000	30,000	50,000	73,000
Total Energy Usage	0	2,500	7,500	12,500	18,250	5,000	15,000	25,000	36,500	7,500	22,500	37,500	54,750	10,000	30,000	50,000	73,000

UNBUNDLED RATES - CURRENT

Distribution																		
Distribution Charge @ \$7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87
All kWh @ 1.340 ¢/kWh	\$ -	\$ 33.50	\$ 100.50	\$ 167.50	\$ 244.55	\$ 67.00	\$ 201.00	\$ 335.00	\$ 489.10	\$ 100.50	\$ 301.50	\$ 502.50	\$ 733.65	\$ 134.00	\$ 402.00	\$ 670.00	\$ 978.20	\$ 978.20
Sub-Total	\$ 7.87	\$ 41.37	\$ 108.37	\$ 175.37	\$ 252.42	\$ 74.87	\$ 208.87	\$ 342.87	\$ 496.97	\$ 108.37	\$ 309.37	\$ 510.37	\$ 741.52	\$ 141.87	\$ 409.87	\$ 677.87	\$ 986.07	\$ 986.07
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.45	\$ 1.35	\$ 2.25	\$ 3.29	\$ 0.90	\$ 2.70	\$ 4.50	\$ 6.57	\$ 1.35	\$ 4.05	\$ 6.75	\$ 9.86	\$ 1.80	\$ 5.40	\$ 9.00	\$ 13.14	\$ 13.14
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.83	\$ 2.48	\$ 4.13	\$ 6.02	\$ 1.65	\$ 4.95	\$ 8.25	\$ 12.05	\$ 2.48	\$ 7.43	\$ 12.38	\$ 18.07	\$ 3.30	\$ 9.90	\$ 16.50	\$ 24.09	\$ 24.09
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 3.05	\$ 9.15	\$ 15.25	\$ 22.27	\$ 6.10	\$ 18.30	\$ 30.50	\$ 44.53	\$ 9.15	\$ 27.45	\$ 45.75	\$ 66.80	\$ 12.20	\$ 36.60	\$ 61.00	\$ 89.06	\$ 89.06
Smart Meter Charge @ \$5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86
Sub-Total	\$ 5.86	\$ 10.19	\$ 18.84	\$ 27.49	\$ 37.43	\$ 14.51	\$ 31.81	\$ 49.11	\$ 69.01	\$ 18.84	\$ 44.79	\$ 70.74	\$ 100.58	\$ 23.16	\$ 57.76	\$ 92.36	\$ 132.15	\$ 132.15
PTC Charge																		
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 149.28	\$ 447.83	\$ 746.38	\$ 1,089.71	\$ 298.55	\$ 895.65	\$ 1,492.75	\$ 2,179.42	\$ 447.83	\$ 1,343.48	\$ 2,239.13	\$ 3,269.12	\$ 597.10	\$ 1,791.30	\$ 2,985.50	\$ 4,358.83	\$ 4,358.83
Sub Total	\$ 13.73	\$ 200.83	\$ 575.03	\$ 949.23	\$ 1,379.56	\$ 387.93	\$ 1,136.33	\$ 1,884.73	\$ 2,745.39	\$ 575.03	\$ 1,697.63	\$ 2,820.23	\$ 4,111.22	\$ 762.13	\$ 2,258.93	\$ 3,755.73	\$ 5,477.05	\$ 5,477.05
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 13.73	\$ 200.83	\$ 575.03	\$ 949.23	\$ 1,379.56	\$ 387.93	\$ 1,136.33	\$ 1,884.73	\$ 2,745.39	\$ 575.03	\$ 1,697.63	\$ 2,820.23	\$ 4,111.22	\$ 762.13	\$ 2,258.93	\$ 3,755.73	\$ 5,477.05	\$ 5,477.05

UNBUNDLED RATES - PROPOSED

Distribution																		
Distribution Charge @ \$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17
All kW @ \$3.15/kW	\$ 78.75	\$ 78.75	\$ 78.75	\$ 78.75	\$ 78.75	\$ 157.50	\$ 157.50	\$ 157.50	\$ 157.50	\$ 236.25	\$ 236.25	\$ 236.25	\$ 236.25	\$ 315.00	\$ 315.00	\$ 315.00	\$ 315.00	\$ 315.00
All rKVA @ \$0.20 /rKVA	\$ 3.13	\$ 3.13	\$ 3.13	\$ 3.13	\$ 3.13	\$ 6.27	\$ 6.27	\$ 6.27	\$ 6.27	\$ 9.40	\$ 9.40	\$ 9.40	\$ 9.40	\$ 12.54	\$ 12.54	\$ 12.54	\$ 12.54	\$ 12.54
Sub-Total	\$ 101.05	\$ 101.05	\$ 101.05	\$ 101.05	\$ 101.05	\$ 182.94	\$ 182.94	\$ 182.94	\$ 182.94	\$ 264.82	\$ 264.82	\$ 264.82	\$ 264.82	\$ 346.71	\$ 346.71	\$ 346.71	\$ 346.71	\$ 346.71
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.45	\$ 1.35	\$ 2.25	\$ 3.29	\$ 0.90	\$ 2.70	\$ 4.50	\$ 6.57	\$ 1.35	\$ 4.05	\$ 6.75	\$ 9.86	\$ 1.80	\$ 5.40	\$ 9.00	\$ 13.14	\$ 13.14
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.83	\$ 2.48	\$ 4.13	\$ 6.02	\$ 1.65	\$ 4.95	\$ 8.25	\$ 12.05	\$ 2.48	\$ 7.43	\$ 12.38	\$ 18.07	\$ 3.30	\$ 9.90	\$ 16.50	\$ 24.09	\$ 24.09
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 3.05	\$ 9.15	\$ 15.25	\$ 22.27	\$ 6.10	\$ 18.30	\$ 30.50	\$ 44.53	\$ 9.15	\$ 27.45	\$ 45.75	\$ 66.80	\$ 12.20	\$ 36.60	\$ 61.00	\$ 89.06	\$ 89.06
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total	\$ -	\$ 4.33	\$ 12.98	\$ 21.63	\$ 31.57	\$ 8.65	\$ 25.95	\$ 43.25	\$ 63.15	\$ 12.98	\$ 38.93	\$ 64.88	\$ 94.72	\$ 17.30	\$ 51.90	\$ 86.50	\$ 126.29	\$ 126.29
PTC Charge																		
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 149.28	\$ 447.83	\$ 746.38	\$ 1,089.71	\$ 298.55	\$ 895.65	\$ 1,492.75	\$ 2,179.42	\$ 447.83	\$ 1,343.48	\$ 2,239.13	\$ 3,269.12	\$ 597.10	\$ 1,791.30	\$ 2,985.50	\$ 4,358.83	\$ 4,358.83
Sub Total	\$ 101.05	\$ 254.65	\$ 561.85	\$ 869.05	\$ 1,222.33	\$ 490.14	\$ 1,104.54	\$ 1,718.94	\$ 2,425.50	\$ 725.62	\$ 1,647.22	\$ 2,568.82	\$ 3,628.66	\$ 961.11	\$ 2,189.91	\$ 3,418.71	\$ 4,831.83	\$ 4,831.83
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 101.05	\$ 254.65	\$ 561.85	\$ 869.05	\$ 1,222.33	\$ 490.14	\$ 1,104.54	\$ 1,718.94	\$ 2,425.50	\$ 725.62	\$ 1,647.22	\$ 2,568.82	\$ 3,628.66	\$ 961.11	\$ 2,189.91	\$ 3,418.71	\$ 4,831.83	\$ 4,831.83
% Increase	636.02%	26.80%	-2.29%	-8.45%	-11.40%	26.35%	-2.80%	-8.80%	-11.65%	26.19%	-2.97%	-8.91%	-11.74%	26.11%	-3.06%	-8.97%	-11.78%	-11.78%

**PENNSYLVANIA POWER COMPANY
 COMPARISON BETWEEN PRESENT AND PROPOSED RATES
 PNP - OPTIONAL HEATING RATE
 EQUIPMENT WITH COOLING CAPABILITY
 With Demands 250 - 350 KW
 At Average Levels of kWh Use**

DEMAND	250	250	250	250	250	250	250	250	350	350	350	350	350	350	350
Total kW	250	250	250	250	250	250	250	250	350	350	350	350	350	350	350
Hrs Use	0	100	200	300	400	500	600	730	100	200	300	400	500	600	730
REACTIVE DEMAND															
rkVA	157	157	157	157	157	157	157	157	219	219	219	219	219	219	219
ENERGY USAGE															
Monthly Energy Usage	0	25,000	50,000	75,000	100,000	125,000	150,000	182,500	35,000	70,000	105,000	140,000	175,000	210,000	255,500
Total Energy Usage	0	25,000	50,000	75,000	100,000	125,000	150,000	182,500	35,000	70,000	105,000	140,000	175,000	210,000	255,500

UNBUNDLED RATES - CURRENT

Distribution															
Distribution Charge @ \$7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87
All kWh @ 1.340 ¢/kWh	\$ -	\$ 335.00	\$ 670.00	\$ 1,005.00	\$ 1,340.00	\$ 1,675.00	\$ 2,010.00	\$ 2,445.50	\$ 469.00	\$ 938.00	\$ 1,407.00	\$ 1,876.00	\$ 2,345.00	\$ 2,814.00	\$ 3,423.70
Sub-Total	\$ 7.87	\$ 342.87	\$ 677.87	\$ 1,012.87	\$ 1,347.87	\$ 1,682.87	\$ 2,017.87	\$ 2,453.37	\$ 476.87	\$ 945.87	\$ 1,414.87	\$ 1,883.87	\$ 2,352.87	\$ 2,821.87	\$ 3,431.57
Riders															
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 4.50	\$ 9.00	\$ 13.50	\$ 18.00	\$ 22.50	\$ 27.00	\$ 32.85	\$ 6.30	\$ 12.60	\$ 18.90	\$ 25.20	\$ 31.50	\$ 37.80	\$ 45.99
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 8.25	\$ 16.50	\$ 24.75	\$ 33.00	\$ 41.25	\$ 49.50	\$ 60.23	\$ 11.55	\$ 23.10	\$ 34.65	\$ 46.20	\$ 57.75	\$ 69.30	\$ 84.32
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 30.50	\$ 61.00	\$ 91.50	\$ 122.00	\$ 152.50	\$ 183.00	\$ 222.65	\$ 42.70	\$ 85.40	\$ 128.10	\$ 170.80	\$ 213.50	\$ 256.20	\$ 311.71
Smart Meter Charge @ \$5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86
Sub-Total	\$ 5.86	\$ 49.11	\$ 92.36	\$ 135.61	\$ 178.86	\$ 222.11	\$ 265.36	\$ 321.59	\$ 66.41	\$ 126.96	\$ 187.51	\$ 248.06	\$ 308.61	\$ 369.16	\$ 447.88
PTC Charge															
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 1,492.75	\$ 2,985.50	\$ 4,478.25	\$ 5,971.00	\$ 7,463.75	\$ 8,956.50	\$ 10,897.08	\$ 2,089.85	\$ 4,179.70	\$ 6,269.55	\$ 8,359.40	\$ 10,449.25	\$ 12,539.10	\$ 15,255.91
Sub Total	\$ 13.73	\$ 1,884.73	\$ 3,755.73	\$ 5,626.73	\$ 7,497.73	\$ 9,368.73	\$ 11,239.73	\$ 13,672.03	\$ 2,633.13	\$ 5,252.53	\$ 7,871.93	\$ 10,491.33	\$ 13,110.73	\$ 15,730.13	\$ 19,135.35
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 13.73	\$ 1,884.73	\$ 3,755.73	\$ 5,626.73	\$ 7,497.73	\$ 9,368.73	\$ 11,239.73	\$ 13,672.03	\$ 2,633.13	\$ 5,252.53	\$ 7,871.93	\$ 10,491.33	\$ 13,110.73	\$ 15,730.13	\$ 19,135.35

UNBUNDLED RATES - PROPOSED

Distribution															
Distribution Charge @ \$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17	\$19.17
All kW @ \$3.15/kW	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 1,102.50	\$ 1,102.50	\$ 1,102.50	\$ 1,102.50	\$ 1,102.50	\$ 1,102.50	\$ 1,102.50
All rkVA @ \$0.20 /rkVA	\$ 31.35	\$ 31.35	\$ 31.35	\$ 31.35	\$ 31.35	\$ 31.35	\$ 31.35	\$ 31.35	\$ 43.89	\$ 43.89	\$ 43.89	\$ 43.89	\$ 43.89	\$ 43.89	\$ 43.89
Sub-Total	\$ 838.02	\$ 838.02	\$ 838.02	\$ 838.02	\$ 838.02	\$ 838.02	\$ 838.02	\$ 838.02	\$ 1,165.56	\$ 1,165.56	\$ 1,165.56	\$ 1,165.56	\$ 1,165.56	\$ 1,165.56	\$ 1,165.56
Riders															
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 4.50	\$ 9.00	\$ 13.50	\$ 18.00	\$ 22.50	\$ 27.00	\$ 32.85	\$ 6.30	\$ 12.60	\$ 18.90	\$ 25.20	\$ 31.50	\$ 37.80	\$ 45.99
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 8.25	\$ 16.50	\$ 24.75	\$ 33.00	\$ 41.25	\$ 49.50	\$ 60.23	\$ 11.55	\$ 23.10	\$ 34.65	\$ 46.20	\$ 57.75	\$ 69.30	\$ 84.32
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 30.50	\$ 61.00	\$ 91.50	\$ 122.00	\$ 152.50	\$ 183.00	\$ 222.65	\$ 42.70	\$ 85.40	\$ 128.10	\$ 170.80	\$ 213.50	\$ 256.20	\$ 311.71
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total	\$ -	\$ 43.25	\$ 86.50	\$ 129.75	\$ 173.00	\$ 216.25	\$ 259.50	\$ 315.73	\$ 60.55	\$ 121.10	\$ 181.65	\$ 242.20	\$ 302.75	\$ 363.30	\$ 442.02
PTC Charge															
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 1,492.75	\$ 2,985.50	\$ 4,478.25	\$ 5,971.00	\$ 7,463.75	\$ 8,956.50	\$ 10,897.08	\$ 2,089.85	\$ 4,179.70	\$ 6,269.55	\$ 8,359.40	\$ 10,449.25	\$ 12,539.10	\$ 15,255.91
Sub Total	\$ 838.02	\$ 2,374.02	\$ 3,910.02	\$ 5,446.02	\$ 6,982.02	\$ 8,518.02	\$ 10,054.02	\$ 12,050.82	\$ 3,315.96	\$ 5,466.36	\$ 7,616.76	\$ 9,767.16	\$ 11,917.56	\$ 14,067.96	\$ 16,863.48
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 838.02	\$ 2,374.02	\$ 3,910.02	\$ 5,446.02	\$ 6,982.02	\$ 8,518.02	\$ 10,054.02	\$ 12,050.82	\$ 3,315.96	\$ 5,466.36	\$ 7,616.76	\$ 9,767.16	\$ 11,917.56	\$ 14,067.96	\$ 16,863.48
% Increase	6003.57%	25.96%	4.11%	-3.21%	-6.88%	-9.08%	-10.55%	-11.86%	25.93%	4.07%	-3.24%	-6.90%	-9.10%	-10.57%	-11.87%

**PENNSYLVANIA POWER COMPANY
 COMPARISON BETWEEN PRESENT AND PROPOSED RATES
 PNP - OPTIONAL HEATING RATE
 EQUIPMENT WITHOUT COOLING CAPABILITY
 With Demands 10 - 20 KW
 At Average Levels of kWh Use**

DEMAND																
Total kW	0	10	10	10	10	10	10	10	20	20	20	20	20	20	20	
Hrs Use	0	100	200	300	400	500	600	730	100	200	300	400	500	600	730	
REACTIVE DEMAND																
rkVA	0	4	4	4	4	4	4	4	8	8	8	8	8	8	8	
ENERGY USAGE																
Monthly Energy Usage	0	1,000	2,000	3,000	4,000	5,000	6,000	7,300	2,000	4,000	6,000	8,000	10,000	12,000	14,600	
Total Energy Usage	0	1,000	2,000	3,000	4,000	5,000	6,000	7,300	2,000	4,000	6,000	8,000	10,000	12,000	14,600	

UNBUNDLED RATES - CURRENT

Distribution																
Distribution Charge @ \$7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87
All kWh @ 1.340 ¢/kWh	\$ -	\$ 13.40	\$ 26.80	\$ 40.20	\$ 53.60	\$ 67.00	\$ 80.40	\$ 97.82	\$ 26.80	\$ 53.60	\$ 80.40	\$ 107.20	\$ 134.00	\$ 160.80	\$ 195.64	
Sub-Total	\$ 7.87	\$ 21.27	\$ 34.67	\$ 48.07	\$ 61.47	\$ 74.87	\$ 88.27	\$ 105.69	\$ 34.67	\$ 61.47	\$ 88.27	\$ 115.07	\$ 141.87	\$ 168.67	\$ 203.51	
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.18	\$ 0.36	\$ 0.54	\$ 0.72	\$ 0.90	\$ 1.08	\$ 1.31	\$ 0.36	\$ 0.72	\$ 1.08	\$ 1.44	\$ 1.80	\$ 2.16	\$ 2.63	
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.33	\$ 0.66	\$ 0.99	\$ 1.32	\$ 1.65	\$ 1.98	\$ 2.41	\$ 0.66	\$ 1.32	\$ 1.98	\$ 2.64	\$ 3.30	\$ 3.96	\$ 4.82	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 1.22	\$ 2.44	\$ 3.66	\$ 4.88	\$ 6.10	\$ 7.32	\$ 8.91	\$ 2.44	\$ 4.88	\$ 7.32	\$ 9.76	\$ 12.20	\$ 14.64	\$ 17.81	
Smart Meter Charge @ \$5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	
Sub-Total	\$ 5.86	\$ 7.59	\$ 9.32	\$ 11.05	\$ 12.78	\$ 14.51	\$ 16.24	\$ 18.49	\$ 9.32	\$ 12.78	\$ 16.24	\$ 19.70	\$ 23.16	\$ 26.62	\$ 31.12	
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 59.71	\$ 119.42	\$ 179.13	\$ 238.84	\$ 298.55	\$ 358.26	\$ 435.88	\$ 119.42	\$ 238.84	\$ 358.26	\$ 477.68	\$ 597.10	\$ 716.52	\$ 871.77	
Sub Total	\$ 13.73	\$ 88.57	\$ 163.41	\$ 238.25	\$ 313.09	\$ 387.93	\$ 462.77	\$ 560.06	\$ 163.41	\$ 313.09	\$ 462.77	\$ 612.45	\$ 762.13	\$ 911.81	\$ 1,106.39	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 13.73	\$ 88.57	\$ 163.41	\$ 238.25	\$ 313.09	\$ 387.93	\$ 462.77	\$ 560.06	\$ 163.41	\$ 313.09	\$ 462.77	\$ 612.45	\$ 762.13	\$ 911.81	\$ 1,106.39	

UNBUNDLED RATES - PROPOSED

Distribution																
Distribution Charge @ \$19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17
All kW @ \$3.15/kW	\$ -	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 31.50	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	\$ 63.00	
All rkVA @ \$0.20 /rkVA	\$ -	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 0.81	\$ 1.62	\$ 1.62	\$ 1.62	\$ 1.62	\$ 1.62	\$ 1.62	\$ 1.62	
Sub-Total	\$ 19.17	\$ 51.48	\$ 51.48	\$ 51.48	\$ 51.48	\$ 51.48	\$ 51.48	\$ 51.48	\$ 83.79	\$ 83.79	\$ 83.79	\$ 83.79	\$ 83.79	\$ 83.79	\$ 83.79	
Riders																
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.18	\$ 0.36	\$ 0.54	\$ 0.72	\$ 0.90	\$ 1.08	\$ 1.31	\$ 0.36	\$ 0.72	\$ 1.08	\$ 1.44	\$ 1.80	\$ 2.16	\$ 2.63	
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.33	\$ 0.66	\$ 0.99	\$ 1.32	\$ 1.65	\$ 1.98	\$ 2.41	\$ 0.66	\$ 1.32	\$ 1.98	\$ 2.64	\$ 3.30	\$ 3.96	\$ 4.82	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 1.22	\$ 2.44	\$ 3.66	\$ 4.88	\$ 6.10	\$ 7.32	\$ 8.91	\$ 2.44	\$ 4.88	\$ 7.32	\$ 9.76	\$ 12.20	\$ 14.64	\$ 17.81	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ -	\$ 1.73	\$ 3.46	\$ 5.19	\$ 6.92	\$ 8.65	\$ 10.38	\$ 12.63	\$ 3.46	\$ 6.92	\$ 10.38	\$ 13.84	\$ 17.30	\$ 20.76	\$ 25.26	
PTC Charge																
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 59.71	\$ 119.42	\$ 179.13	\$ 238.84	\$ 298.55	\$ 358.26	\$ 435.88	\$ 119.42	\$ 238.84	\$ 358.26	\$ 477.68	\$ 597.10	\$ 716.52	\$ 871.77	
Sub Total	\$ 19.17	\$ 112.92	\$ 174.36	\$ 235.80	\$ 297.24	\$ 358.68	\$ 420.12	\$ 499.99	\$ 206.67	\$ 329.55	\$ 452.43	\$ 575.31	\$ 698.19	\$ 821.07	\$ 980.82	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 19.17	\$ 112.92	\$ 174.36	\$ 235.80	\$ 297.24	\$ 358.68	\$ 420.12	\$ 499.99	\$ 206.67	\$ 329.55	\$ 452.43	\$ 575.31	\$ 698.19	\$ 821.07	\$ 980.82	
% Increase	39.62%	27.49%	6.70%	-1.03%	-5.06%	-7.54%	-9.22%	-10.73%	26.48%	5.26%	-2.23%	-6.06%	-8.39%	-9.95%	-11.35%	

**PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
PNP - OPTIONAL HEATING RATE
EQUIPMENT WITHOUT COOLING CAPABILITY
With Demands 25 - 100 KW
At Average Levels of kWh Use**

DEMAND	25	25	25	25	25	50	50	50	50	75	75	75	75	100	100	100	100
Total kW	25	25	25	25	25	50	50	50	50	75	75	75	75	100	100	100	100
Hrs Use	0	100	300	500	730	100	300	500	730	100	300	500	730	100	300	500	730
REACTIVE DEMAND																	
rKVA	10	10	10	10	10	20	20	20	20	30	30	30	30	41	41	41	41
ENERGY USAGE																	
Monthly Energy Usage	0	2,500	7,500	12,500	18,250	5,000	15,000	25,000	36,500	7,500	22,500	37,500	54,750	10,000	30,000	50,000	73,000
Total Energy Usage	0	2,500	7,500	12,500	18,250	5,000	15,000	25,000	36,500	7,500	22,500	37,500	54,750	10,000	30,000	50,000	73,000

UNBUNDLED RATES - CURRENT

Distribution																		
Distribution Charge @ \$7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87
All kWh @ 1.340 ¢/kWh	\$ -	\$ 33.50	\$ 100.50	\$ 167.50	\$ 244.55	\$ 67.00	\$ 201.00	\$ 335.00	\$ 489.10	\$ 100.50	\$ 301.50	\$ 502.50	\$ 733.65	\$ 134.00	\$ 402.00	\$ 670.00	\$ 978.20	
Sub-Total	\$ 7.87	\$ 41.37	\$ 108.37	\$ 175.37	\$ 252.42	\$ 74.87	\$ 208.87	\$ 342.87	\$ 496.97	\$ 108.37	\$ 309.37	\$ 510.37	\$ 741.52	\$ 141.87	\$ 409.87	\$ 677.87	\$ 986.07	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.45	\$ 1.35	\$ 2.25	\$ 3.29	\$ 0.90	\$ 2.70	\$ 4.50	\$ 6.57	\$ 1.35	\$ 4.05	\$ 6.75	\$ 9.86	\$ 1.80	\$ 5.40	\$ 9.00	\$ 13.14	
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.83	\$ 2.48	\$ 4.13	\$ 6.02	\$ 1.65	\$ 4.95	\$ 8.25	\$ 12.05	\$ 2.48	\$ 7.43	\$ 12.38	\$ 18.07	\$ 3.30	\$ 9.90	\$ 16.50	\$ 24.09	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 3.05	\$ 9.15	\$ 15.25	\$ 22.27	\$ 6.10	\$ 18.30	\$ 30.50	\$ 44.53	\$ 9.15	\$ 27.45	\$ 45.75	\$ 66.80	\$ 12.20	\$ 36.60	\$ 61.00	\$ 89.06	
Smart Meter Charge @ \$5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	
Sub-Total	\$ 5.86	\$ 10.19	\$ 18.84	\$ 27.49	\$ 37.43	\$ 14.51	\$ 31.81	\$ 49.11	\$ 69.01	\$ 18.84	\$ 44.79	\$ 70.74	\$ 100.58	\$ 23.16	\$ 57.76	\$ 92.36	\$ 132.15	
PTC Charge																		
All kWh @ \$0.05971 /kWh	\$ -	\$ 149.28	\$ 447.83	\$ 746.38	\$ 1,089.71	\$ 298.55	\$ 895.65	\$ 1,492.75	\$ 2,179.42	\$ 447.83	\$ 1,343.48	\$ 2,239.13	\$ 3,269.12	\$ 597.10	\$ 1,791.30	\$ 2,985.50	\$ 4,358.83	
Sub Total	\$ 13.73	\$ 200.83	\$ 575.03	\$ 949.23	\$ 1,379.56	\$ 387.93	\$ 1,136.33	\$ 1,884.73	\$ 2,745.39	\$ 575.03	\$ 1,697.63	\$ 2,820.23	\$ 4,111.22	\$ 762.13	\$ 2,258.93	\$ 3,755.73	\$ 5,477.05	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 13.73	\$ 200.83	\$ 575.03	\$ 949.23	\$ 1,379.56	\$ 387.93	\$ 1,136.33	\$ 1,884.73	\$ 2,745.39	\$ 575.03	\$ 1,697.63	\$ 2,820.23	\$ 4,111.22	\$ 762.13	\$ 2,258.93	\$ 3,755.73	\$ 5,477.05	

UNBUNDLED RATES - PROPOSED

Distribution																		
Distribution Charge @ \$19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	
All kW @ \$3.15/kW	\$ 78.75	\$ 78.75	\$ 78.75	\$ 78.75	\$ 78.75	\$ 157.50	\$ 157.50	\$ 157.50	\$ 157.50	\$ 236.25	\$ 236.25	\$ 236.25	\$ 236.25	\$ 315.00	\$ 315.00	\$ 315.00	\$ 315.00	
All rKVA @ \$0.20 /rKVA	\$ 2.03	\$ 2.03	\$ 2.03	\$ 2.03	\$ 2.03	\$ 4.06	\$ 4.06	\$ 4.06	\$ 4.06	\$ 6.09	\$ 6.09	\$ 6.09	\$ 6.09	\$ 8.12	\$ 8.12	\$ 8.12	\$ 8.12	
Sub-Total	\$ 99.95	\$ 99.95	\$ 99.95	\$ 99.95	\$ 99.95	\$ 180.73	\$ 180.73	\$ 180.73	\$ 180.73	\$ 261.51	\$ 261.51	\$ 261.51	\$ 261.51	\$ 342.29	\$ 342.29	\$ 342.29	\$ 342.29	
Riders																		
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 0.45	\$ 1.35	\$ 2.25	\$ 3.29	\$ 0.90	\$ 2.70	\$ 4.50	\$ 6.57	\$ 1.35	\$ 4.05	\$ 6.75	\$ 9.86	\$ 1.80	\$ 5.40	\$ 9.00	\$ 13.14	
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 0.83	\$ 2.48	\$ 4.13	\$ 6.02	\$ 1.65	\$ 4.95	\$ 8.25	\$ 12.05	\$ 2.48	\$ 7.43	\$ 12.38	\$ 18.07	\$ 3.30	\$ 9.90	\$ 16.50	\$ 24.09	
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 3.05	\$ 9.15	\$ 15.25	\$ 22.27	\$ 6.10	\$ 18.30	\$ 30.50	\$ 44.53	\$ 9.15	\$ 27.45	\$ 45.75	\$ 66.80	\$ 12.20	\$ 36.60	\$ 61.00	\$ 89.06	
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sub-Total	\$ -	\$ 4.33	\$ 12.98	\$ 21.63	\$ 31.57	\$ 8.65	\$ 25.95	\$ 43.25	\$ 63.15	\$ 12.98	\$ 38.93	\$ 64.88	\$ 94.72	\$ 17.30	\$ 51.90	\$ 86.50	\$ 126.29	
PTC Charge																		
All kWh @ \$0.05971 /kWh	\$ -	\$ 149.28	\$ 447.83	\$ 746.38	\$ 1,089.71	\$ 298.55	\$ 895.65	\$ 1,492.75	\$ 2,179.42	\$ 447.83	\$ 1,343.48	\$ 2,239.13	\$ 3,269.12	\$ 597.10	\$ 1,791.30	\$ 2,985.50	\$ 4,358.83	
Sub Total	\$ 99.95	\$ 253.55	\$ 560.75	\$ 867.95	\$ 1,221.23	\$ 487.93	\$ 1,102.33	\$ 1,716.73	\$ 2,423.29	\$ 722.31	\$ 1,643.91	\$ 2,565.51	\$ 3,625.35	\$ 956.69	\$ 2,185.49	\$ 3,414.29	\$ 4,827.41	
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Bill	\$ 99.95	\$ 253.55	\$ 560.75	\$ 867.95	\$ 1,221.23	\$ 487.93	\$ 1,102.33	\$ 1,716.73	\$ 2,423.29	\$ 722.31	\$ 1,643.91	\$ 2,565.51	\$ 3,625.35	\$ 956.69	\$ 2,185.49	\$ 3,414.29	\$ 4,827.41	
% Increase	627.97%	26.25%	-2.48%	-8.56%	-11.48%	25.78%	-2.99%	-8.91%	-11.73%	25.61%	-3.16%	-9.03%	-11.82%	25.53%	-3.25%	-9.09%	-11.86%	

PENNSYLVANIA POWER COMPANY
COMPARISON BETWEEN PRESENT AND PROPOSED RATES
PNP - OPTIONAL HEATING RATE
EQUIPMENT WITHOUT COOLING CAPABILITY
With Demands 250 - 350 KW
At Average Levels of kWh Use

DEMAND	250	250	250	250	250	250	250	250	350	350	350	350	350	350	350
Total kW	250	250	250	250	250	250	250	250	350	350	350	350	350	350	350
Hrs Use	0	100	200	300	400	500	600	730	100	200	300	400	500	600	730
REACTIVE DEMAND															
rkVA	101	101	101	101	101	101	101	101	142	142	142	142	142	142	142
ENERGY USAGE															
Monthly Energy Usage	0	25,000	50,000	75,000	100,000	125,000	150,000	182,500	35,000	70,000	105,000	140,000	175,000	210,000	255,500
Total Energy Usage	0	25,000	50,000	75,000	100,000	125,000	150,000	182,500	35,000	70,000	105,000	140,000	175,000	210,000	255,500

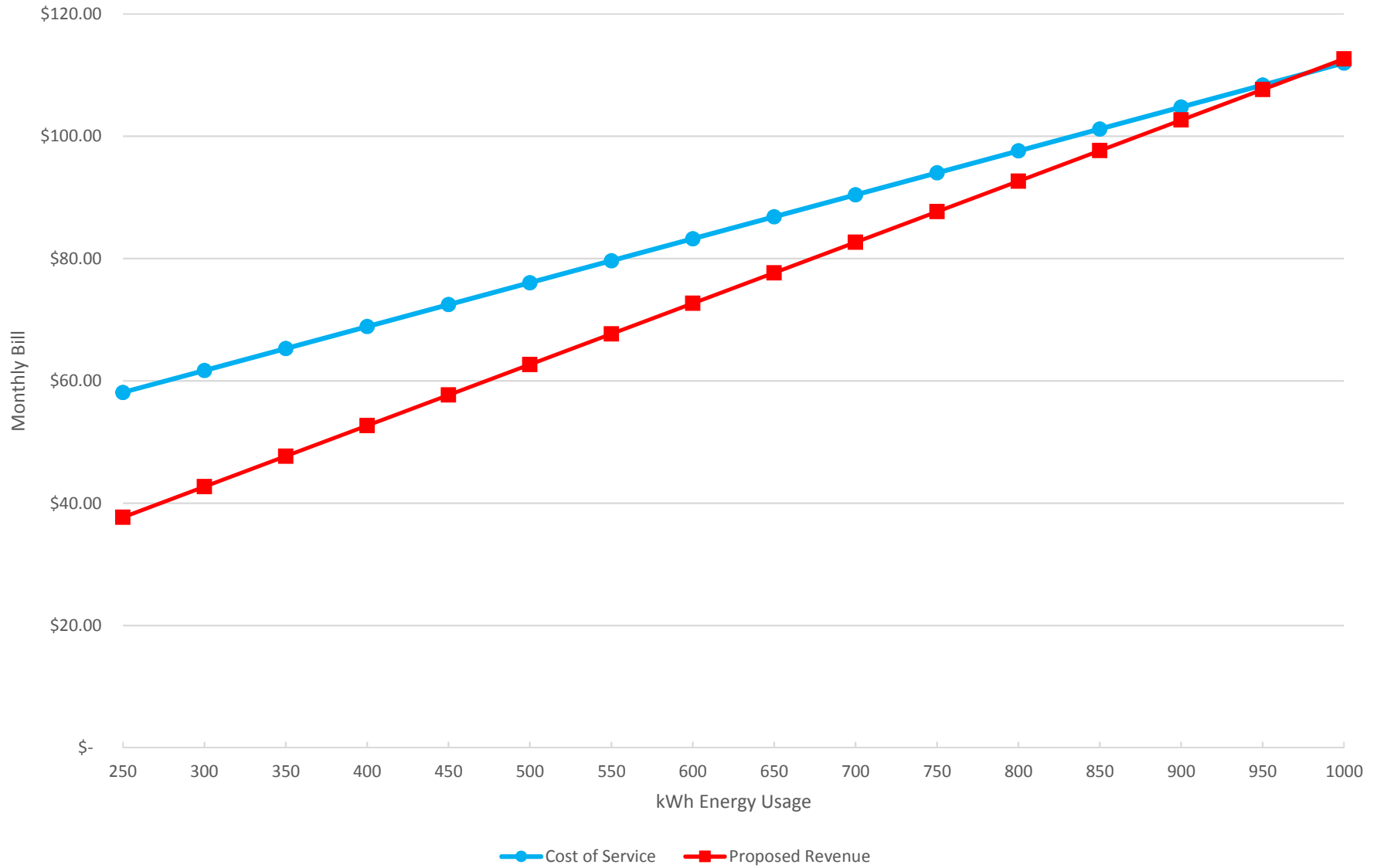
UNBUNDLED RATES - CURRENT

Distribution	250	250	250	250	250	250	250	250	350	350	350	350	350	350	350
Distribution Charge @ \$7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87	\$ 7.87
All kWh @ 1.340 ¢/kWh	\$ -	\$ 335.00	\$ 670.00	\$ 1,005.00	\$ 1,340.00	\$ 1,675.00	\$ 2,010.00	\$ 2,445.50	\$ 469.00	\$ 938.00	\$ 1,407.00	\$ 1,876.00	\$ 2,345.00	\$ 2,814.00	\$ 3,423.70
Sub-Total	\$ 7.87	\$ 342.87	\$ 677.87	\$ 1,012.87	\$ 1,347.87	\$ 1,682.87	\$ 2,017.87	\$ 2,453.37	\$ 476.87	\$ 945.87	\$ 1,414.87	\$ 1,883.87	\$ 2,352.87	\$ 2,821.87	\$ 3,431.57
Riders															
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 4.50	\$ 9.00	\$ 13.50	\$ 18.00	\$ 22.50	\$ 27.00	\$ 32.85	\$ 6.30	\$ 12.60	\$ 18.90	\$ 25.20	\$ 31.50	\$ 37.80	\$ 45.99
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 8.25	\$ 16.50	\$ 24.75	\$ 33.00	\$ 41.25	\$ 49.50	\$ 60.23	\$ 11.55	\$ 23.10	\$ 34.65	\$ 46.20	\$ 57.75	\$ 69.30	\$ 84.32
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 30.50	\$ 61.00	\$ 91.50	\$ 122.00	\$ 152.50	\$ 183.00	\$ 222.65	\$ 42.70	\$ 85.40	\$ 128.10	\$ 170.80	\$ 213.50	\$ 256.20	\$ 311.71
Smart Meter Charge @ \$5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86	\$ 5.86
Sub-Total	\$ 5.86	\$ 49.11	\$ 92.36	\$ 135.61	\$ 178.86	\$ 222.11	\$ 265.36	\$ 321.59	\$ 66.41	\$ 126.96	\$ 187.51	\$ 248.06	\$ 308.61	\$ 369.16	\$ 447.88
PTC Charge															
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 1,492.75	\$ 2,985.50	\$ 4,478.25	\$ 5,971.00	\$ 7,463.75	\$ 8,956.50	\$ 10,897.08	\$ 2,089.85	\$ 4,179.70	\$ 6,269.55	\$ 8,359.40	\$ 10,449.25	\$ 12,539.10	\$ 15,255.91
Sub Total	\$ 13.73	\$ 1,884.73	\$ 3,755.73	\$ 5,626.73	\$ 7,497.73	\$ 9,368.73	\$ 11,239.73	\$ 13,672.03	\$ 2,633.13	\$ 5,252.53	\$ 7,871.93	\$ 10,491.33	\$ 13,110.73	\$ 15,730.13	\$ 19,135.35
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 13.73	\$ 1,884.73	\$ 3,755.73	\$ 5,626.73	\$ 7,497.73	\$ 9,368.73	\$ 11,239.73	\$ 13,672.03	\$ 2,633.13	\$ 5,252.53	\$ 7,871.93	\$ 10,491.33	\$ 13,110.73	\$ 15,730.13	\$ 19,135.35

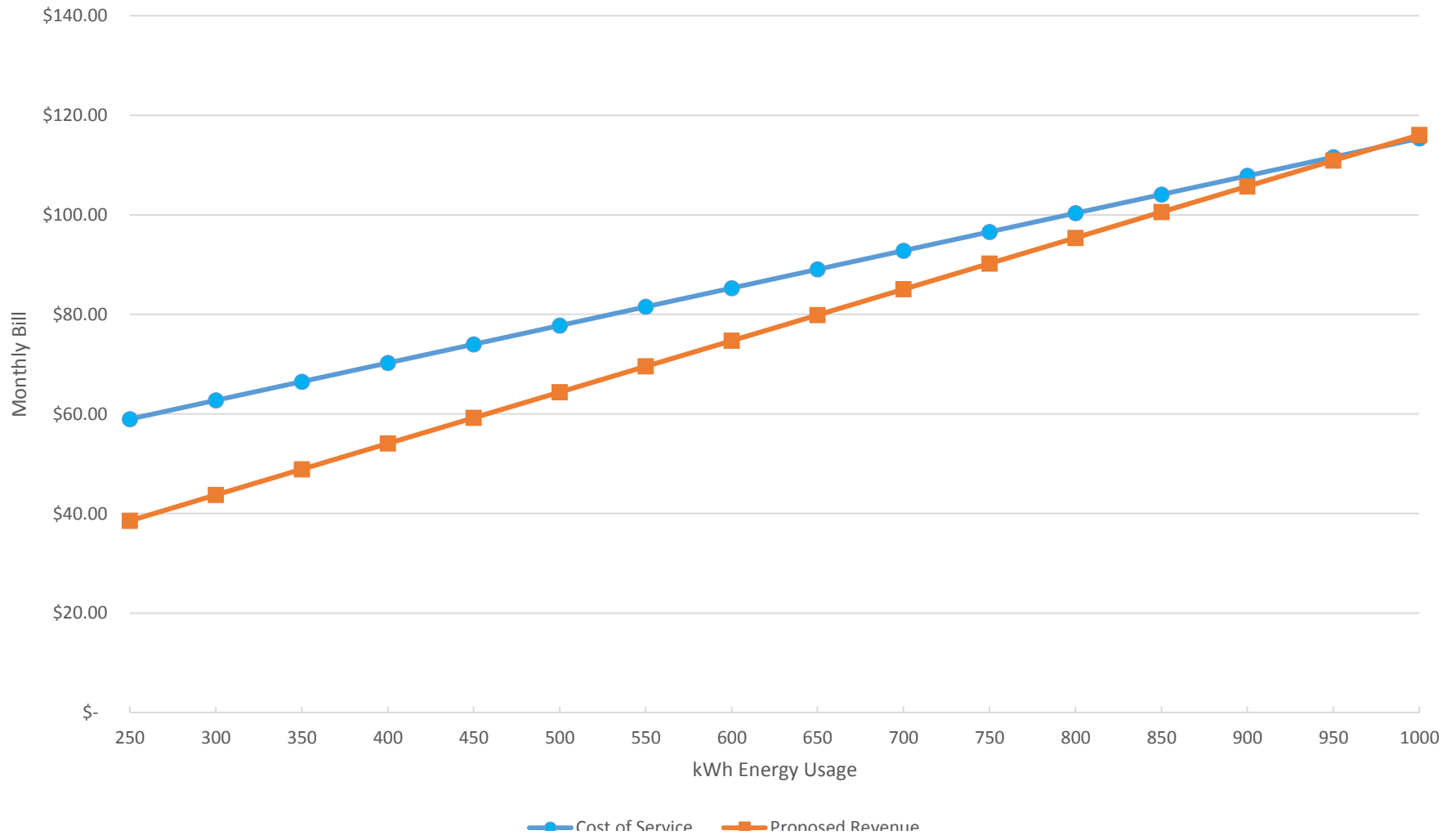
UNBUNDLED RATES - PROPOSED

Distribution	250	250	250	250	250	250	250	250	350	350	350	350	350	350	350
Distribution Charge @ \$19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17	\$ 19.17
All kW @ \$3.15/kW	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 787.50	\$ 1,102.50	\$ 1,102.50	\$ 1,102.50	\$ 1,102.50	\$ 1,102.50	\$ 1,102.50	\$ 1,102.50
All rkVA @ \$0.20 /rkVA	\$ 20.30	\$ 20.30	\$ 20.30	\$ 20.30	\$ 20.30	\$ 20.30	\$ 20.30	\$ 20.30	\$ 28.42	\$ 28.42	\$ 28.42	\$ 28.42	\$ 28.42	\$ 28.42	\$ 28.42
Sub-Total	\$ 826.97	\$ 826.97	\$ 826.97	\$ 826.97	\$ 826.97	\$ 826.97	\$ 826.97	\$ 826.97	\$ 1,150.09	\$ 1,150.09	\$ 1,150.09	\$ 1,150.09	\$ 1,150.09	\$ 1,150.09	\$ 1,150.09
Riders															
Solar Photovoltaic Requirements Charge @ 0.018 ¢/kWh	\$ -	\$ 4.50	\$ 9.00	\$ 13.50	\$ 18.00	\$ 22.50	\$ 27.00	\$ 32.85	\$ 6.30	\$ 12.60	\$ 18.90	\$ 25.20	\$ 31.50	\$ 37.80	\$ 45.99
Default Service Support Charge @ 0.033 ¢/kWh	\$ -	\$ 8.25	\$ 16.50	\$ 24.75	\$ 33.00	\$ 41.25	\$ 49.50	\$ 60.23	\$ 11.55	\$ 23.10	\$ 34.65	\$ 46.20	\$ 57.75	\$ 69.30	\$ 84.32
Consumer Education Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency Charge @ 0.000 ¢/kWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase II Energy Efficiency Charge @ 0.122 ¢/kWh	\$ -	\$ 30.50	\$ 61.00	\$ 91.50	\$ 122.00	\$ 152.50	\$ 183.00	\$ 222.65	\$ 42.70	\$ 85.40	\$ 128.10	\$ 170.80	\$ 213.50	\$ 256.20	\$ 311.71
Smart Meter Charge @ \$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total	\$ -	\$ 43.25	\$ 86.50	\$ 129.75	\$ 173.00	\$ 216.25	\$ 259.50	\$ 315.73	\$ 60.55	\$ 121.10	\$ 181.65	\$ 242.20	\$ 302.75	\$ 363.30	\$ 442.02
PTC Charge															
All kWh @ \$ 0.05971 /kWh	\$ -	\$ 1,492.75	\$ 2,985.50	\$ 4,478.25	\$ 5,971.00	\$ 7,463.75	\$ 8,956.50	\$ 10,897.08	\$ 2,089.85	\$ 4,179.70	\$ 6,269.55	\$ 8,359.40	\$ 10,449.25	\$ 12,539.10	\$ 15,255.91
Sub Total	\$ 826.97	\$ 2,362.97	\$ 3,898.97	\$ 5,434.97	\$ 6,970.97	\$ 8,506.97	\$ 10,042.97	\$ 12,039.77	\$ 3,300.49	\$ 5,450.89	\$ 7,601.29	\$ 9,751.69	\$ 11,902.09	\$ 14,052.49	\$ 16,848.01
STAS @ 0.00 %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Bill	\$ 826.97	\$ 2,362.97	\$ 3,898.97	\$ 5,434.97	\$ 6,970.97	\$ 8,506.97	\$ 10,042.97	\$ 12,039.77	\$ 3,300.49	\$ 5,450.89	\$ 7,601.29	\$ 9,751.69	\$ 11,902.09	\$ 14,052.49	\$ 16,848.01
% Increase	5923.09%	25.37%	3.81%	-3.41%	-7.03%	-9.20%	-10.65%	-11.94%	25.34%	3.78%	-3.44%	-7.05%	-9.22%	-10.67%	-11.95%

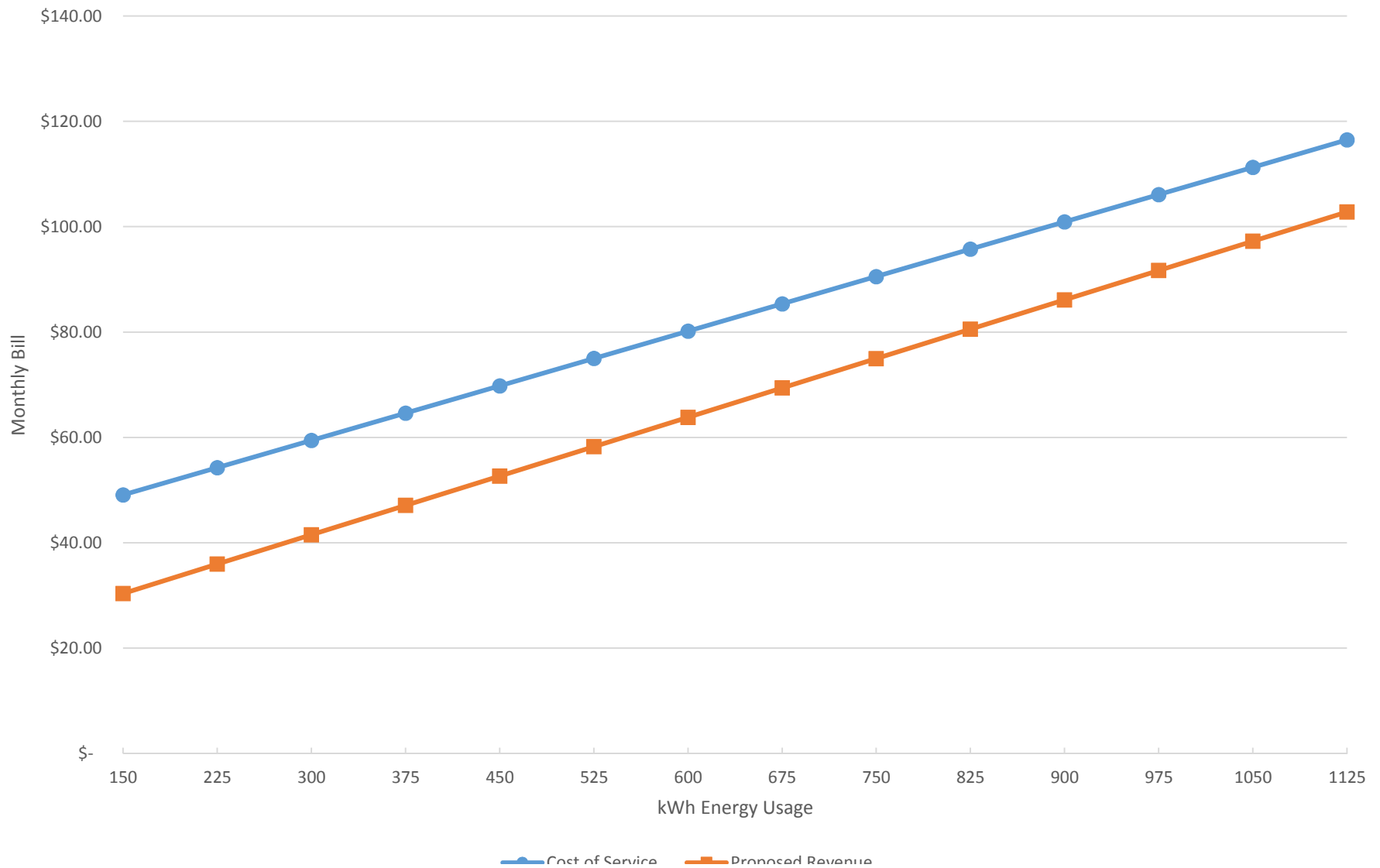
Penn Power Residential Service - RS Proposed Revenue vs Cost of Service



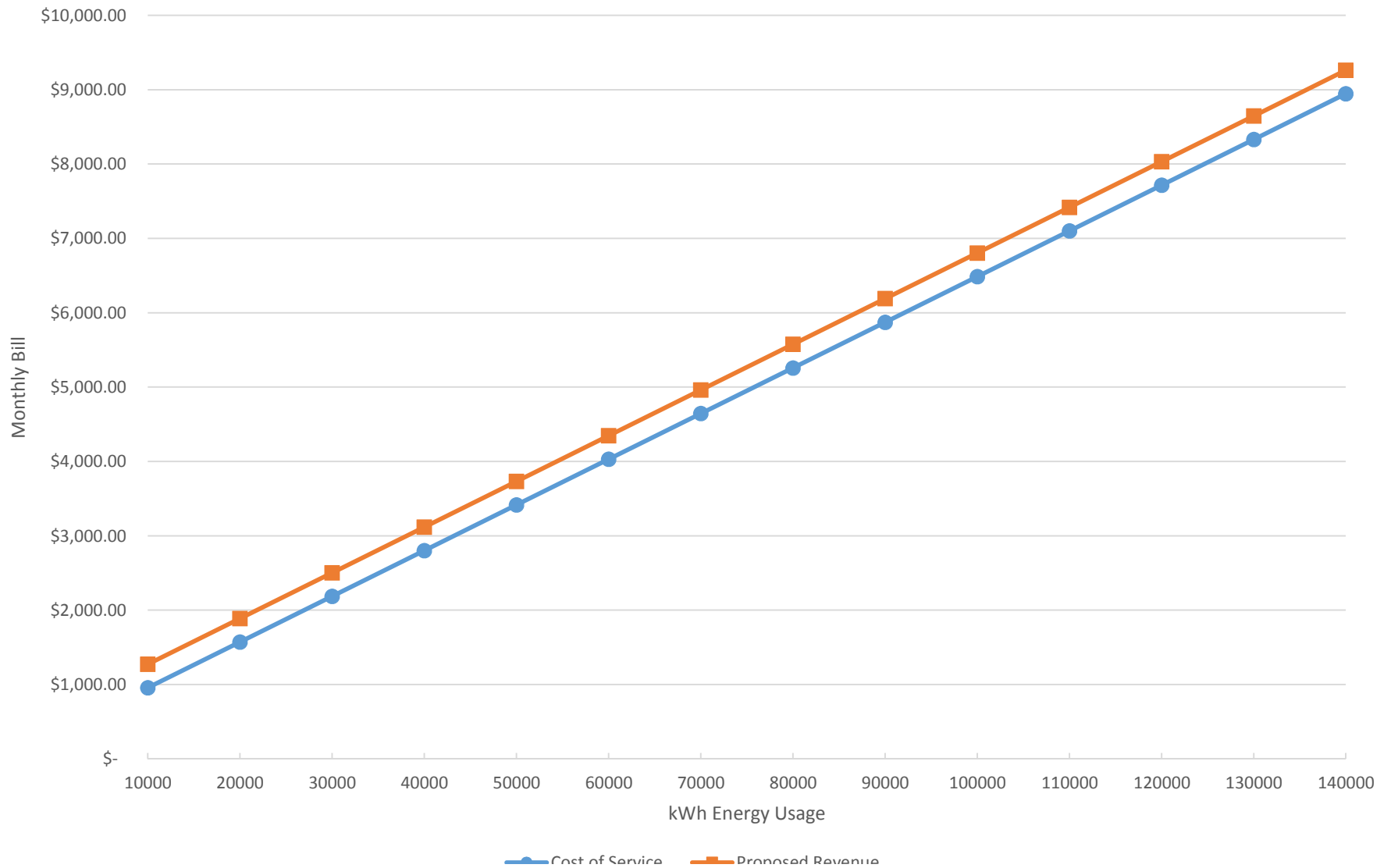
Penn Power Special Provision for Volunteer Fire Companies, Non-Profit Senior Citizen Centers, Non-Profit Rescue Squads and Non-Profit Ambulance Services - GS-R Proposed Revenue vs Cost of Service



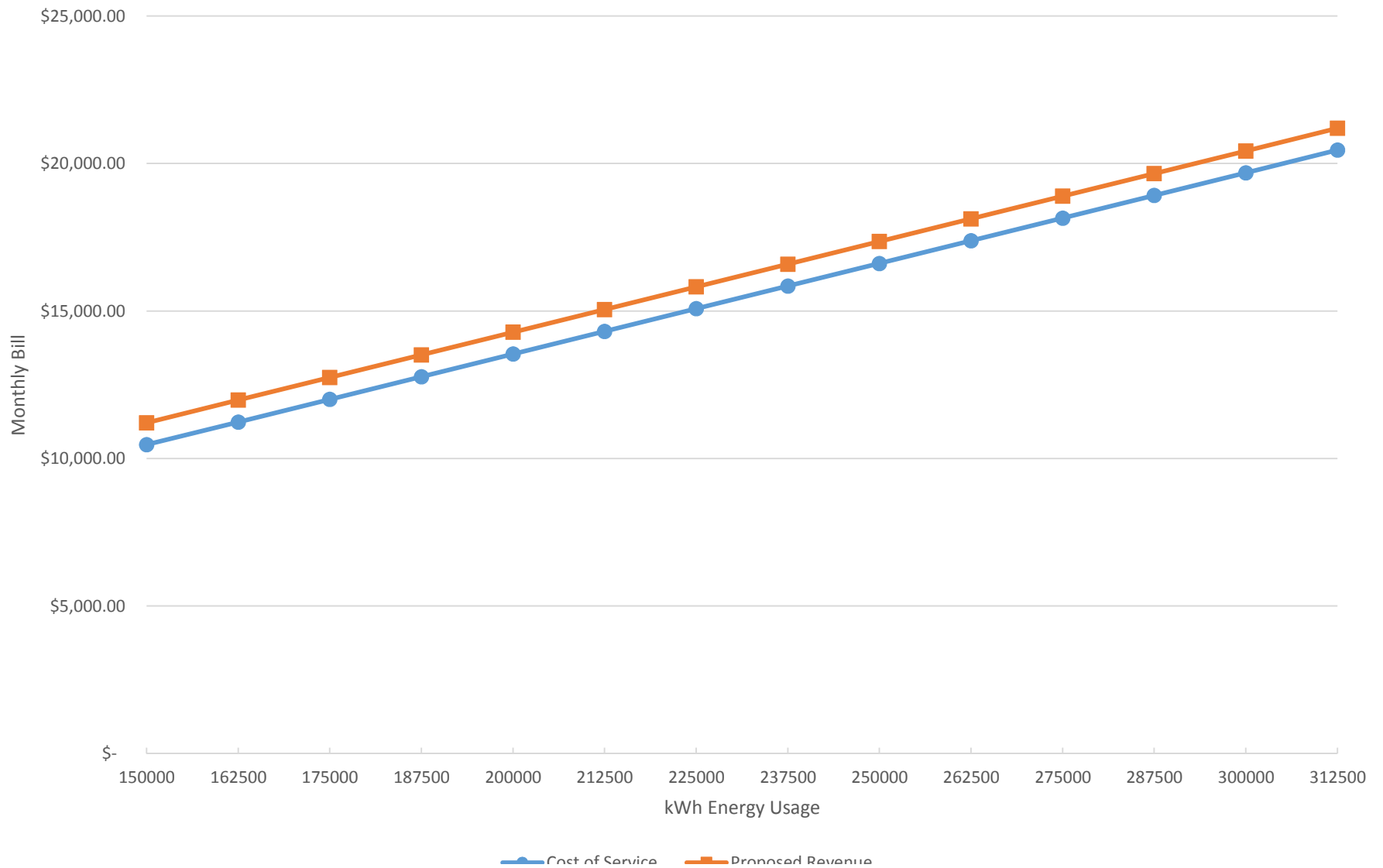
Penn Power General Service Small - GS-S Proposed Revenue vs Cost of Service Demand at 3 kW



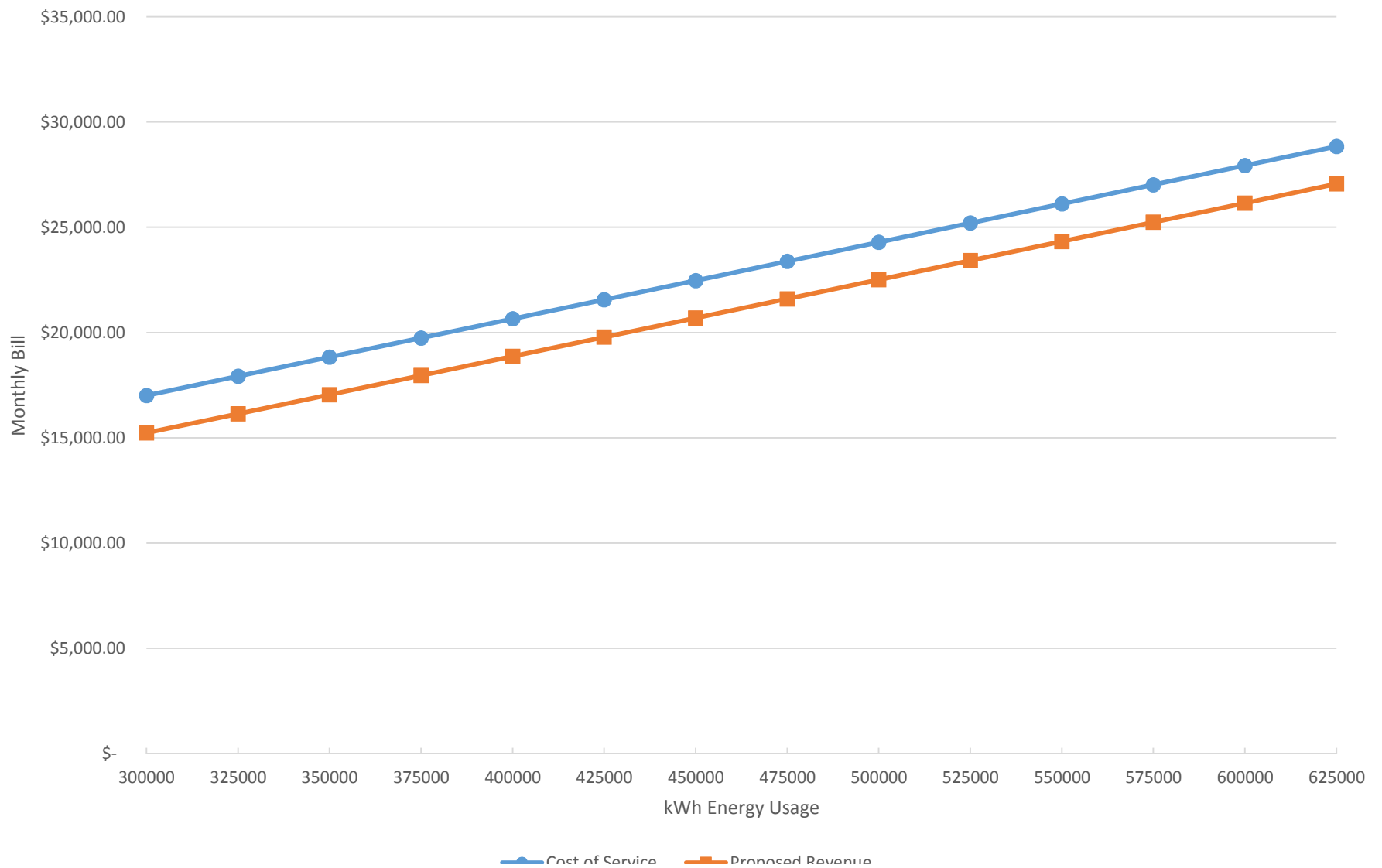
Penn Power General Service Medium - GS-M Proposed Revenue vs Cost of Service Demand at 200 kW



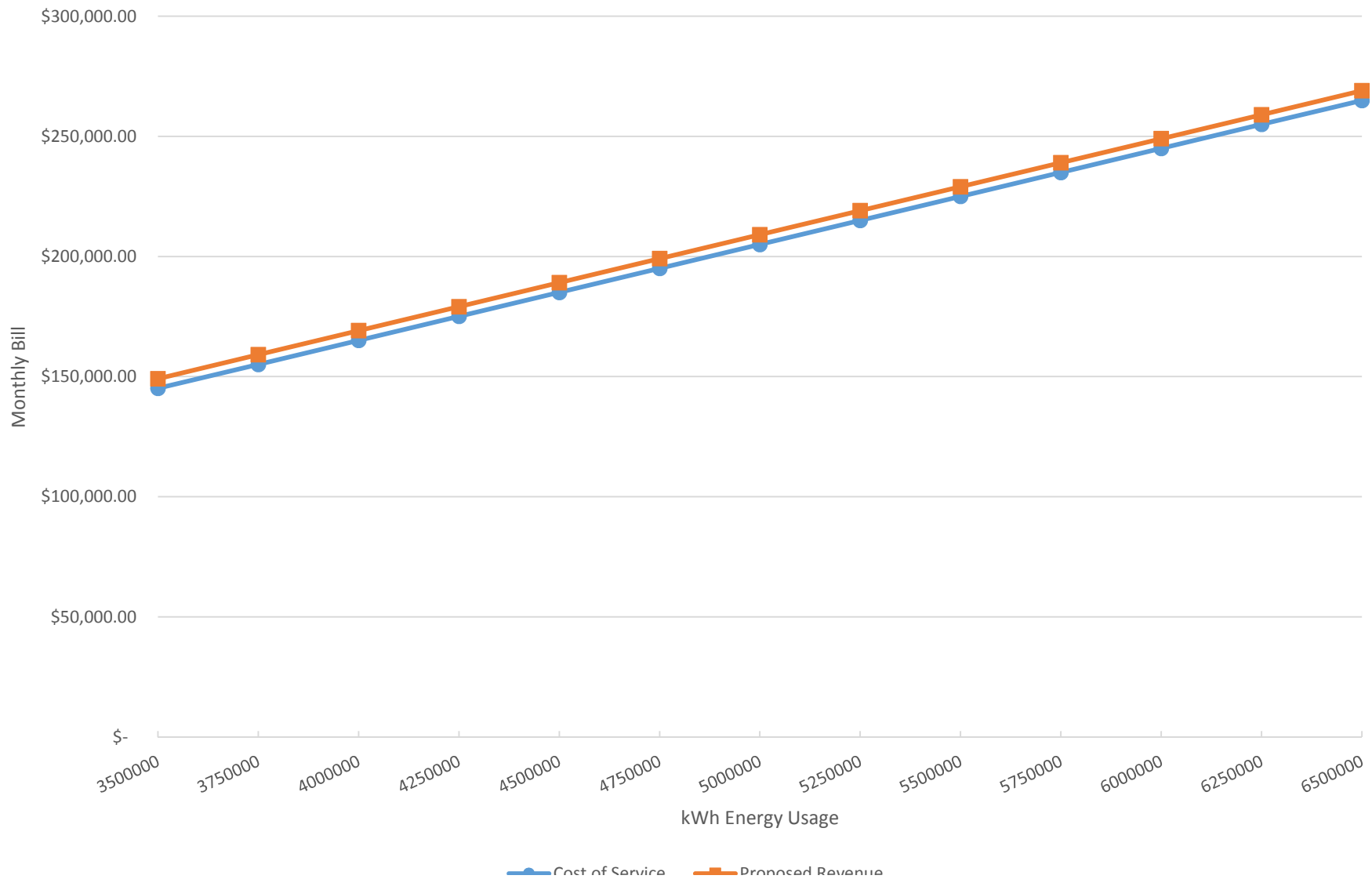
Penn Power General Service Large - GS-L Proposed Revenue vs Cost of Service Demand at 500 kW



Penn Power General Service Primary - GP Proposed Revenue vs Cost of Service Demand of 1,000 kW



Penn Power General Service Transmission - GT
Proposed Revenue vs Cost of Service
Demand of 10,000 kW



PENNSYLVANIA POWER COMPANY

TITLE 52, SECTION 53.52 (a) FILING REQUIREMENT:

“(a) Whenever a public utility, other than a canal, turnpike, tunnel, bridge or wharf company files a tariff, revision or supplement effecting changes in the terms and conditions of service rendered or to be rendered, it shall submit to the Commission, with the tariff, revision or supplement, statements showing all of the following:

- (1) The specific reasons for each change.
- (2) The total number of customers served by the utility.
- (3) A calculation of the number of customers, by tariff subdivision, whose bills will be affected by the change.
- (4) The effect of the change on the utility’s customers.
- (5) The direct or indirect effect of the proposed change on the utility’s revenue and expenses.
- (6) The effect of the change on the service rendered by the utility.
- (7) A list of factors considered by the utility in its determination to make the change. The list shall include a comprehensive statement about why these factors were chosen and the relative importance of each. This subsection does not apply to a portion of a tariff change seeking a general rate increase as defined in 66 Pa.C.S. § 1308 (relating to voluntary changes in rates).
- (8) Studies undertaken by the utility in order to draft its proposed change. This paragraph does not apply to a portion of a tariff change seeking a general rate increase as defined in 66 Pa.C.S. § 1308.
- (9) Customer polls taken and other documents which indicate customer acceptance and desire for the proposed change. If the poll or other documents reveal discernible public opposition, an explanation of why the change is in the public interest shall be provided.
- (10) Plans the utility has for introducing or implementing the changes with respect to its ratepayers.
- (11) FCC, FERC or Commission orders or rulings applicable to the filing.”

RESPONSE:

52 Pa. Code 53.52(a)(1)

Q. The specific reasons for each change.

A. See Testimony of Kevin M. Siedt, Met-Ed/Penelec/Penn Power/West Penn Statement No. 4.

52 Pa. Code 53.52(a)(2)

- Q. The total number of Customers served by the utility.
- A. As of March 2014, the end of the historical test year, Penn Power served a total of 162,165 customers.

52 Pa. Code 53.52(a)(3)

- Q. A calculation of the number of Customers, by tariff subdivision, whose bills could be affected by the change.
- A. See Penn Power Exhibit KMS-1, Attachment A, B, and C, Sales and Distribution Revenue Normalization (Fully Projected, Future, and Historical Test Years, respectively)

52 Pa. Code 53.52(a)(4)

- Q. The effect of the change on the utility's customers.
- A. See Penn Power Exhibit KMS-6, Comparison between Present and Proposed Rates, and Met-Ed/Penelec/Penn Power/West Penn Statement No. 4, Direct Testimony of Kevin M. Siedt.

52 Pa. Code 53.52(a)(5)

- Q. The direct or indirect effect of the proposed change on the utility's revenue and expenses.
- A. See Met-Ed/Penelec/Penn Power/West Penn Statement No. 2, Direct Testimony of Richard A. D'Angelo and Exhibits RAD 1 and 2.

52 Pa. Code 53.52(a)(6)

- Q. The effect of the change on the service rendered by the utility
- A. See Met-Ed/Penelec/Penn Power/West Penn Statement No. 1, Direct Testimony of Charles V. Fullem.

52 Pa. Code 53.52(a)(7)

Q. A list of factors considered by the utility in its determination to make the change. The list shall include a comprehensive statement about why these factors were chosen and the relative importance of each. This subsection does not apply to a portion of a tariff change seeking a general rate increase as defined in 66 Pa.C.S. § 1308 (relating to voluntary changes in rates).

A. Not applicable.

52 Pa. Code 53.52(a)(8)

Q. Studies undertaken by the utility in order to draft its proposed change. This paragraph does not apply to a portion of a tariff change seeking a general rate increase as defined in 66 Pa.C.S. § 1308.

A. Not Applicable.

52 Pa. Code 53.52(a)(9)

Q. Customer polls taken and other documents which indicate customer acceptance and desire for the proposed change. If the poll or other documents reveal discernible public opposition, an explanation of why the change is in the public interest shall be provided.

A. None

52 Pa. Code 53.52(a)(10)

Q. Plans the utility has for introducing or implementing the changes with respect to its ratepayers.

A. At the time of filing, the Company will issue and provide to customers notice of its distribution rate increase request pursuant to the Commission's general rate case filing regulations. A customer bill insert will describe the rate changes approved by the Commission and indicate the impact on customers. The Company will also inform customers about the Commission-approved rate changes in news releases and on the Company's Internet site. After a final Commission Order is entered in connection with this rate filing, the Company will file a compliance tariff to implement all of the approved changes.

52 Pa. Code 53.52(a)(11)

Q. FCC, FERC or Commission orders or rulings applicable to the filing.

A. The following orders or rulings are applicable to the filing:

- Joint Petition of Metropolitan Edison Company, Pennsylvania Electric Company, Pennsylvania Power Company, and West Penn Power Company for approval of Their Default Service Programs, Docket Nos. P-2011-2273650, P-2011-2273668, P-2011-2273669, and P-2011-2273670.
- Investigation of Pennsylvania's Retail Electricity Market Intermediate Work Plan, Docket No. I-2011-2237952.
- Merger Settlement, Docket Nos. A-2010-2176520 and A-2010-2176732.
- Companies' Smart Meter Deployment Plan, Docket Nos. M-2013-2341990, M-2013-2341991, M-2013-2341993, and M-2013-2341994.
- Met-Ed and Penelec 2007 Rate Case order, Docket No. R-0061366 and R-0061367.

TITLE 52, SECTION 53.52 (b) FILING REQUIREMENT:

“(b) Whenever a public utility other than a canal, turnpike, tunnel, bridge or wharf company files a tariff, revision or supplement which will increase or decrease the bills to its customers, it shall submit in addition to the requirements of subsection (a), to the Commission, with the tariff, revision or supplement, statements showing the following:

- (1) The specific reasons for each increase or decrease.
- (2) The operating income statement of the utility for a 12-month period, the end of which may not be more than 120 days prior to the filing. Water and wastewater utilities with annual revenues under \$100,000 and municipal corporations subject to Commission jurisdiction may provide operating income statements for a 12-month period, the end of which may not be more than 180 days prior to the filing.
- (3) A calculation of the number of customers, by tariff subdivision, whose bills will be increased.
- (4) A calculation of the total increases, in dollars, by tariff subdivision, projected to an annual basis
- (5) A calculation of the number of customers, by tariff subdivision, whose bills will be decreased.
- (6) A calculation of the total decreases, in dollars, by tariff subdivision, projected to an annual basis..”

RESPONSE:

Pennsylvania Power Company (“Penn Power” or the “Company”) submits the following information in support of Tariff Electric – Pa. P.U.C. No. 36. In response to each of the applicable subsections of 52 Pa. Code 53.52(b), Penn Power states the following:

52 Pa. Code 53.52(b)(1)

- Q. The specific reasons for each increase or decrease.
- A. See Testimony of Charles V. Fullem, Met-Ed/Penelec/Penn Power/West Penn Statement No. 1, Testimony of Richard A. D’Angelo, Met-Ed/Penelec/Penn Power/West Penn Statement No. 2, Testimony of Kimberlie L. Bortz, Met-Ed/Penelec/Penn Power/West Penn Statement No. 3, and Testimony of Kevin M. Siedt, Met-Ed/Penelec/Penn Power/West Penn Statement No. 4.

52 Pa. Code 53.52(b)(2)

- Q. The operating income statement of the utility for a 12-month period, the end of which may not be more than 120 days prior to the filing.
- A. See Penn Power Exhibit RAD-4.

52 Pa. Code 53.52(b)(3)

- Q. A calculation of the number of customers, by tariff subdivision, whose bills will be increased.
- A. See Penn Power Exhibit KMS-1, Attachment A, B, and C, Sales and Distribution Revenue Normalization (Fully Projected, Future, and Historical Test Years, respectively), Penn Power Exhibit KMS-2, Summary of Distribution of Revenues, Penn Power Exhibit KMS-5, Proof of Revenues Analysis, and Penn Power Exhibit KMS-6, Bill Comparisons.

52 Pa. Code 53.52(b)(4)

- Q. A calculation of the total increases, in dollars, by tariff subdivision, projected to an annual basis.
- A. See Penn Power Exhibit KMS-2, Summary of Distribution of Revenues, Penn Power Exhibit KMS-5, Proof of Revenues Analysis, and Penn Power Exhibit KMS-6, Bill Comparisons.

52 Pa. Code 53.52(b)(5)

- Q. A calculation of the number of customers, by tariff subdivision, whose bills will be decreased.
- A. See Penn Power Exhibit KMS-2, Summary of Distribution of Revenues, Penn Power Exhibit KMS-5, Proof of Revenues Analysis, and Penn Power Exhibit KMS-6, Bill Comparisons.

52 Pa. Code 53.52(b)(6)

- Q. A calculation of the total decreases, in dollars, by tariff subdivision, projected to an annual basis.
- A. See Penn Power Exhibit KMS-2, Summary of Distribution of Revenues, Penn Power Exhibit KMS-5, Proof of Revenues Analysis, and Penn Power Exhibit KMS-6, Bill Comparisons.

TITLE 52, SECTION 53.52 (c) FILING REQUIREMENT:

“(c) If a public utility files a tariff, revision or supplement which it is calculated will increase the bills of a customer or a group of customers by an amount, when projected to an annual basis, exceeding 3% of the operating revenues of the utility—subsection (b)(4) divided by the operating revenues of the utility for a 12-month period as defined in subsection (b)(2)—or which it is calculated will increase the bills of 5% or more of the number of customers served by the utility—subsection (b)(3) divided by subsection (a)(2)—it shall submit to the Commission with the tariff, revision or supplement, in addition to the statements required by subsections (a) and (b), all of the following information:

- (1) A statement showing the utility’s calculation of the rate of return or operating ratio (if the utility qualifies to use an operating ratio under § 53.54 (relating to small water and wastewater utilities) earned in the 12-month period referred to in subsection (b)(2), and the anticipated rate of return or operating ratio to be earned when the tariff, revision or supplement becomes effective. The rate base used in this calculation shall be supported by summaries of original cost for the rate of return calculation. When an operating ratio is used in this calculation, it shall be supported by studies of margin above operation and maintenance expense plus depreciation as referred to in § 53.54(b)(2)(B).
- (2) A detailed balance sheet of the utility as of the close of the period referred to in subsection (b)(2).
- (3) A summary, by detailed plant accounts, of the book value of the property of the utility at the date of the balance sheet required by paragraph (2).
- (4) A statement showing the amount of the depreciation reserve, at the date of the balance sheet required by paragraph (2), applicable to the property, summarized as required by paragraph (3).
- (5) A statement of operating income, setting forth the operating revenues and expenses by detailed accounts for the 12-month period ending on the date of the balance sheet required by paragraph (2).
- (6) A brief description of a major change in the operating or financial condition of the utility occurring between the date of the balance sheet required by paragraph (2) and the date of transmittal of the tariff, revision or supplement. As used in this paragraph, a major change is one which materially alters the operating or financial condition of the utility from that reflected in paragraphs (1)—(5).”

RESPONSE:

See Met-Ed/Penelec/Penn Power/West Penn Statement No. 2, Testimony of Richard A. D’Angelo and Exhibit RAD 54 and Exhibit RAD 55.

TITLE 52, SECTION 53.52 (d) FILING REQUIREMENT:

“(d) If a utility renders more than one type of public service, such as electric and gas, information required by § § 53.51—53.53 (relating to information furnished with the filing of rate changes), except subsection (c)(2), relates solely to the kind of service to which the tariff or tariff supplement is applicable. In subsection (c)(2), the book value of property used in furnishing each type of public service, as well as the depreciation reserve applicable to the property, shall be shown separately.”

RESPONSE:

See Met-Ed/Penelec/Penn Power/West Penn Statement No. 2, Testimony of Richard A. D’Angelo and Exhibit RAD 54 and Exhibit RAD 55.

FILING REQUIREMENT IV-A-1:

“Provide a summary schedule of the individual rate effects. For each state jurisdictional rate, show the following information to the test period elected:

1. Rate schedule designation.”

FILING REQUIREMENT IV-A-2:

“Provide a summary schedule of the individual rate effects. For each state jurisdictional rate, show the following information to the test period elected:

2. For existing rates:
 - a. Customers served as of end of period.
 - b. Annual Kwh sales
 - c. Base rate revenues adjusted for any changes in base rate application that may have occurred during the test period.
 - d. Tax surcharge revenues.
 - e. Energy Cost adjustment clause revenues.
 - f. Revenues received from other clauses or riders separately accounted for.
 - g. Total of all revenues.”

FILING REQUIREMENT IV-A-3:

“Provide a summary schedule of the individual rate effects. For each state jurisdictional rate, show the following information to the test period elected:

3. For proposed rates:
 - (a) Estimated number of customers whose charges for electric service will be increased or decreased as a result of this filing.
 - (b) Base rate revenues:
 - (1) Annual dollar amount of increase or decrease.
 - (2) Percentage change.
 - (c) Estimated tax surcharge revenues based on the assumption that the base rate changes proposed were in place.
 - (d) Estimated Energy cost adjustment clause revenues.
 - (e) Revenues received from other clauses or riders separately accounted for.
 - (f) Total of all revenues:
 - (1) Amount of total annual dollar change.
 - (2) Percentage change.”

FILING REQUIREMENT IV-A-4:

“Provide a summary schedule of the individual rate effects. For each state jurisdictional rate, show the following information to the test period elected:

4. Supplement the revenue summary to obtain a complete revenue statement of the electric business, that is, show delayed payments, other electric revenues, FERC jurisdictional sales and revenues and all other appropriate revenue items and adjustments.”

FILING REQUIREMENT IV-A-5:

“Provide a summary schedule of the individual rate effects. For each state jurisdictional rate, show the following information to the test period elected:

5. Develop the grand total showing total sales and revenues as adjusted and the various increases and decreases and percent effects as described above.”

RESPONSES:

See Penn Power Exhibit KMS-1, Attachment A, B, and C, Sales and Distribution Revenue Normalization (Fully Projected, Future, and Historical Test Years, respectively), Penn Power Exhibit KMS-2, Summary of Distribution of Revenues.

FILING REQUIREMENT IV-C:

“The annual revenue effect of any proposed change to any rate must be supported by a billing analysis. This may consist of the use of bill frequency distributions or individual customer billing records for the most recent annual periods available. All billing determinants should be displayed. The blocking and corresponding prices of the existing rate and the proposed rate should be applied to the determinants to derive the base rate revenues under both present and proposed rates. The derived base rate revenues should form the basis for measuring the annual base rate effect of the rates in question for the test periods.”

RESPONSE:

See Penn Power Exhibit KMS-5, Proof of Revenues Analysis.

FILING REQUIREMENT IV-D-1:

“The effects of the proposed rates on monthly billing conditions should be provided as follows:

1. Residential Bill Comparisons

For each rate applicable to residential service provide a chart or tabulation which shows the dollar and percentage effect of the proposed base rate on monthly bills ranging from the use of zero kWh to 5,000 kWh at appropriate intervals.”

FILING REQUIREMENT IV-D-2:

“The effects of the proposed rates on monthly billing conditions should be provided as follows:

2. General Bill Comparisons

For each rate that requires both a billing demand (kW) and kWh’s as the billing determinants, provide a tabulation or graphical comparison showing the percentage effect of the proposed base rate on monthly bills using several representative demand (kW) levels, the monthly kWh for each demand selected to be in load factor increments of 10% starting at 0% and ending at 100% (730H) or by hours’ use increments that covers approximately 95% of the bills.”

RESPONSE:

See Penn Power Exhibit KMS-6, Comparison between Present and Proposed Rates.

FILING REQUIREMENT IV-E-2:

“Provide comparisons in either graphical or tabular form showing cost, as defined in the cost of service study, and proposed base rate revenues and usage for all residential and demand/energy rate schedules. Demand shall be for representative loads for each demand/energy rate schedule.”

RESPONSE:

See Penn Power Exhibit KMS-7, Cost Curves.