

The Process of the

www.elizabethtowngas.com

Via Electronic Mail and FedEx

September 26, 2014

Kristi Izzo, Secretary State of New Jersey Board of Public Utilities 44 South Clinton Avenue, 9th Floor P.O. Box 350 Trenton, NJ 08625-0350

Re: In the Matter of the Petition of Pivotal Utility Holdings, Inc. d/b/a Elizabethtown Gas to Revise Its Energy Efficiency Program Rider Rate BPU Docket No. GRADIO73

Dear Secretary Izzo:

Enclosed for filing are an original and ten copies of the Petition of Pivotal Utility Holdings, Inc. d/b/a Elizabethtown Gas ("Elizabethtown" or "Company") to revise its Energy Efficiency Program ("EEP") Rider rate. Attached to and made a part of the Petition are the testimony and supporting schedules of Company witnesses Thomas Kaufmann and Gary Marmo.

The Petition proposes an increase in the Company's current EEP Rider rate of \$0.0042 per therm to \$0.0098 per therm, inclusive of all taxes, effective December 1, 2014. This rate is designed to enable the Company to recover the costs associated with the Company's energy efficiency programs.

The proposed change in the EEP Rider rate will increase the monthly bill of a typical residential customer using 100 therms by \$0.56 from \$112.18 to \$112.74, an increase of 0.5%.

Legal(2)
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RPA
J. MAY
S. Peterson
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J. FORD
M. Beyer
ENERGY

2019 EEP 28 RW 11 OH

RANTEDOM CASE WANTED BY ST. S.

IN THE MATTER OF THE PETITION OF PIVOTAL UTILITY HOLDINGS, INC. d/b/a ELIZABETHTOWN GAS TO REVISE ITS ENERGY EFFICIENCY PROGRAM RIDER RATE BPU DOCKET NO.

SERVICE LIST

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STATE OF NEW JERSEY BOARD OF PUBLIC UTILITIES

In the Matter of the Petition of Pivotal Utility : Docket No.

Holdings, Inc. d/b/a Elizabethtown Gas to Revise :

Its Energy Efficiency Program Rider Rate : SUMMARY SHEET

This Petition presents the request of Pivotal Utility Holdings, Inc. d/b/a Elizabethtown Gas ("Petitioner") that the Board of Public Utilities ("Board") accept the filing of Petitioner's revised Energy Efficiency Program ("EEP") Rider rate. The Petition requests authority to implement an EEP Rider rate of \$0.0098 per therm inclusive of taxes and assessments effective December 1, 2014. The proposed filing would increase the monthly bill of a typical residential heating customer using 100 therms by \$0.56 or 0.5%.



PIVOTAL UTILITY HOLDINGS, INC. d/b/a ELIZABETHTOWN GAS ENERGY EFFICIENCY PROGRAM (EEP) RATE FILING MINIMUM FILING REQUIREMENTS (MFR) INDEX

Minimum Filing Requirements

Schedule

1. Direct FTE employment impacts as defined in Paragraph 28 of the	ne GM-6
Stipulation, including a breakdown by sub-program	
2. A monthly revenue requirement calculation based on program	TK-3
expenditures, showing the actual monthly revenue requirement f	or each
of the past twelve months or clause-review period, as well as sur	pporting
calculations, including the information related to the tax rate and	revenue
multiplier used in the revenue requirement calculation	
3. For the review period, actual revenues, by month and by rate class	ss TK-5
recorded under the programs	
4. Monthly beginning and ending clause balances, as well as the av	erage TK-2
balance net of tax for the 12-month period	
5. The interest rate used each month for over/under recoveries, and	all TK-6
supporting documentation and calculations for the interest rate	
6. The interest expense to be charged or credited to ratepayers each	month TK-2, TK-6
7. A schedule showing budgeted versus actual program costs by the	GM-1
following categories: administrative (all utility costs), marketing	/sales,
training, rebates/incentives, including inspections and quality con	itrol,
program implementation (all contract costs), evaluation, and any	other
costs	
8. The monthly journal entries relating to regulatory asset and O&M	I GM-1 (is a summary of
expenses for the 12 month review period	the expenses as
	recorded in the
	Company's books;
	copies of the actual
	journal entries can be
	made available)
 Supporting details for all administrative costs included in the rev requirement 	enue GM-I
10. Information supporting the carrying cost used for the unamortize	ed costs TK-6
11. Number of program participants, including a breakdown by sub-	
program	
12. Estimated demand and energy savings, including a breakdown by	sub- GM-3
program	
	by sub- GM-4
13. Emissions reductions from the Program, including a breakdown b	7
13. Emissions reductions from the Program, including a breakdown by program	
program 14. Estimated free ridership and spillover	GM-5
program	GM-5
program 14. Estimated free ridership and spillover	GM-5 1 by sub- GM-2; GM-5

STATE OF NEW JERSEY BOARD OF PUBLIC UTILITIES

In the Matter of the Petition of Pivotal Utility

Docket No.

Holdings, Inc. d/b/a Elizabethtown Gas to Revise

Its Energy Efficiency Program Rider Rate

PETITION

To The Honorable Board of Public Utilities:

Petitioner, Pivotal Utility Holdings, Inc. d/b/a Elizabethtown Gas ("Petitioner", "Elizabethtown" or "Company"), a public utility corporation duly organized under the laws of the State of New Jersey subject to the jurisdiction of the Board of Public Utilities ("Board"), respectfully states:

- 1. Petitioner's principal business office is located at 300 Connell Drive, Suite 3000, Berkeley Heights, New Jersey 07922.
- Communications and correspondence concerning these proceedings should be sent as follows:

Mary Patricia Keefe, Esq. Vice President, Regulatory Affairs Pivotal Utility Holdings, Inc. d/b/a Elizabethtown Gas 300 Connell Drive, Suite 3000 Berkeley Heights, New Jersey 07922 Tel. No. (908) 771-8220 Fax No. (908) 771-8217 mkeefe@aglresources.com

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- 3. Petitioner is engaged in the business of transmission and distribution of natural and mixed gas to approximately 280,000 customers within its service territory located principally in Hunterdon, Mercer, Middlesex, Morris, Sussex, Union and Warren Counties.
- 4. The purpose of this filing is to revise Petitioner's Energy Efficiency Program ("EEP") Rider rate and to reconcile the EEP Rider costs and cost recoveries for the periods identified below.
- 5. The Company's filing is being made in compliance with the April 11, 2012 Board Order ("April 11 Order") in BPU Docket No. GO11070399 which approved a Stipulation among Petitioner, Board Staff and the Division of Rate Counsel in which these parties agreed to the continued implementation of the EEP Rider rate as approved by the Board's August 3, 2009 Order ("August 3 Order") in BPU Docket Nos. GO09010056 and GO09010060 et al., and the Board's January 19, 2011 Order ("January 19 Order") in BPU Docket No. GO10070446. The EEP Rider rate enables Elizabethtown to recover through a surcharge the costs associated with certain Energy Efficiency Programs ("EE Programs"). The August 3, January 19 and April 11 Orders require the Company to make this annual filing to reconcile the costs and cost recoveries for the 2014 Recovery Year with as much actual information as is available through June 30, 2014 and to establish a rate sufficient to recover those costs as well as the projected EE Program rate revenue requirements for the 2015 Recovery Year.
- 6. Pursuant to an Order dated December 18, 2013 ("December 18 Order") issued in BPU Docket No. GR12080729, the EEP Rider rate was increased from \$0.0000 (zero) per therm to \$0.0042 per therm, inclusive of taxes and assessments, effective January 1, 2014.

- 7. Petitioner's September 25, 2013 EEP Rider rate reconciliation Petition in BPU Docket GR13090874 with a proposed rate of \$0.0098 per therm inclusive of taxes and assessments is still pending before the Board.
- 8. Annexed hereto and made a part of this Petition is Exhibit P-1, which Petitioner suggests be marked as indicated. Exhibit P-1 consists of the testimony and supporting schedules of Thomas Kaufmann, Manager of Rates and Tariffs for Petitioner. The schedules listed below are attached and referred to in Exhibit P-1 and contain information responsive to the Minimum Filing Requirements ("MFRs") set forth in Appendix D to the Stipulation, as approved by the August 3, January 19 and April 11 Orders:
 - (a) Tariff Schedule TK-1; and
 - (b) EEP Schedule TK-1 through EEP Schedule TK-6.
- 9. Annexed hereto and also made a part of this Petition is Exhibit P-2, which Petitioner suggests be marked as indicated. Exhibit P-2 contains the testimony and supporting schedules of Gary Marmo, Director of Sales, Mid Atlantic Operations for Petitioner. The schedules listed below are attached and referred to in Exhibit P-2 and contain information responsive to the MFRs required by Appendix D to the Stipulation approved by the August 3, January 19 and April 11 Orders:
 - (a) EEP Schedule GM-1 through EEP Schedule GM-6.

An Index of the MFRs referencing the responsive schedules or testimony sponsored by Mr. Kaufmann and Mr. Marmo accompanies this Petition.

- 10. The EE Programs for which cost recovery is sought in this Petition include the following:
 - 1. Residential Expanded Gas Heating Ventilation and Air Conditioning

("HVAC") and Gas Hot Water Heater Incentive Program;

- 2. Small Commercial Customer Energy Efficiency Program; and
- 3. Large Commercial Customer Energy Efficiency Program.

In addition to a range of rebates and related offers, these EE Programs include various customer education and outreach initiatives, including an on-line customer Dashboard, designed to encourage customers to conserve energy and provide information to them on how to lower their gas bills. Details concerning EE Program actual and estimated expenditures as well as other information are provided in Mr. Marmo's testimony and supporting schedules. In accordance with a Board order issued August 21, 2013 in BPU Docket No. GO12100946 ("August 21 Order"), Elizabethtown is authorized to offer these programs through September 1, 2015.

- 11. Petitioner seeks to reconcile EE Program costs and cost recoveries for the period commencing July 1, 2013 through June 30, 2014 ("2014 Recovery Period") and to recover the forecast EE Program-related revenue requirements for the period July 1, 2014 through June 30, 2015 ("2015 Recovery Period"). Information for the 2014 Recovery Period includes twelve months of actual data from July 1, 2013 through June 30, 2014. All information for the 2015 Recovery Period reflects forecast data.
- 12. Petitioner seeks to increase its current EEP Rider rate of \$0.0042 per therm to \$0.0098 per therm, inclusive of taxes and assessments, effective December 1, 2014 to recover a balance of \$3,970,804. The proposed rate will be assessed to all customers except those served under special contracts as filed and approved by the Board and those customers exempt from this charge pursuant to the Long-Term Capacity Agreement Pilot Program (LCAPP), P.L. 2011, c.9.

- 13. The proposed EEP Rider rate is designed to recover all costs associated with the program, including, all program investments, such as rebates and customer financing costs and reasonable and prudent incremental O&M expense, such as customer education and outreach and costs associated with the customer Dashboard, an on-line audit tool. In accordance with the August 3 Order, as well as the November 25, 2009 Stipulation approved by the Board's December 17, 2009 Order in the Company's last base rate case in Docket No. GR09030195, incremental internal and external labor may also be recovered through the proposed EEP Rider rate. Elizabethtown is authorized to amortize and recover its EE Program investments in rebates and customers financing over a fouryear period, with the return on the unamortized portion of the investments based upon the after tax weighted average cost of capital ("WACC") rate of 6.53% (through April 19, 2012), 6.42% (effective April 20, 2012 through August 31, 2013) and 5.68% (effective September 1, 2013) and a revenue expansion factor of 1.72431 (through August 31, 2013) and 1.71565 (effective September 1, 2013). The unamortized portion of these EE Program investments are net of accumulated amortization and accumulated deferred income taxes associated with the EE Program investments.
- 14. The proposed EEP Rider rate was calculated by taking (i) the prior year balance of \$1,687,666, plus (ii) current year O&M costs of \$462,362, plus (iii) current year revenue requirements of \$1,262,158, less (iv) current year recovery credits of \$1,120,717 plus (v) a carrying cost for the 2014 Recovery Year of \$4,370, and (vi) projected recoverable amounts for the 2015 Recovery Year of \$1,674,965 and dividing

In accordance with the August 3 and January 19 Orders Petitioner was previously authorized to use a WACC rate of 6.53%. The April 11 Order authorized the WACC rate of 6.42%. The August 21 Order authorized the WACC rate of 5.68%. The August 3 and January 19 Orders previously authorized the use of the 1.72431 revenue expansion factor. The August 21 Order authorized the use of the 1.71565 revenue expansion factor.

the total credit amount of \$3,970,804 by the service volumes projected for the 2015 Recovery Year for the service classifications and customers subject to the EEP. The resulting quotient is adjusted for applicable taxes and assessments, resulting in an EEP Rider rate of \$0.0098 per therm.

15. In accordance with the MFRs adopted in the August 3, January 19 and April 11 Orders, this filing contains information concerning job creation, energy efficiency savings, emission reductions impacts and free ridership and spillover data associated with the Company's EE Program. This information is set forth on EEP Schedules MV- 3 through 6 sponsored by Mr. Marmo.

Overall Impact

16. The overall impact of Petitioner's filing in this proceeding is a proposed increase in the monthly bill of a typical heating customer using 100 therms by \$0.56 from \$112.18 to \$112.74, or an increase of 0.5%.

Miscellaneous

17. Petitioner is serving notice and a copy of this Petition, together with a copy of the exhibits and schedules annexed hereto upon Stefanie A. Brand, Director, Rate Counsel, 140 East Front Street, 4th Floor, Trenton, New Jersey and as outlined in *N.J.A.C.* 14:1-5.12. Petitioner is attaching a proposed form of public notice to this filing for review by Board Staff and Rate Counsel.

WHEREFORE, Petitioner respectfully requests that the Board (1) accept Petitioner's filing, (2) allow the proposed EEP Rider rate to become effective December 1, 2014, (3) grant any waivers of Petitioner's tariff necessitated by this filing as set forth herein and, (4) grant such other relief as the Board may deem just and proper.

Respectfully submitted,

By:

Mary Patricia Keefe, Esq.
Vice President, Regulatory Affairs
Pivotal Utility Holdings, Inc.
d/b/a Elizabethtown Gas
300 Connell Drive, Suite 3000

Berkeley Heights, New Jersey 07922

(908) 771-8220

Date: September 26, 2014

Pivotal Utility Holdings, Inc. d/b/a Elizabethtown Gas Notice of Public Hearings

TO OUR CUSTOMERS:

The effect of the Company's filing to a typical residential customer using an average of 100 therms per month is as follows:

Consumption in Therms	Present Bill	Proposed Bill	Proposed Change	Percent Change	
100	\$112.18	\$112.74	\$0.56	0.5%	

The actual percentage increase applicable to specific customers will vary according to usage. Any assistance required by customers in ascertaining the impact of the proposed rate increase will be furnished by the Company upon request.

The proposed rate is subject to Board approval and may be higher or lower depending on the Board's final determination and the date on which such rate is made effective. Moreover, any rate relief found by the Board to be just and reasonable may be allocated by the Board and applied by the Company to any class or classes of customers or any rate schedules as the Board may determine, so that final rates approved by the Board in this proceeding for any specific customer class or rate schedule may be higher or lower than those set forth herein.

The BPU has the statutory authority to establish Elizabethtown's rates at levels it finds just and reasonable as well as to establish the effective date of such rates. Therefore, the BPU may establish the rates at levels and/or an effective date other than those proposed by the Company.

Copies of the Petition are available for inspection at the Company offices located at 300 Connell Drive, Suite 3000, Berkeley Heights, New Jersey or online at the Company's website: www.elizabethtowngas.com or at the Board of Public Utilities, 44 South Clinton Avenue, 9th Floor, Trenton, NJ.

PLEASE TAKE NOTICE that Public Hearings have been scheduled on the above mentioned Petition at the following times and places:

Date and Time
Rahway Municipal Council, Court Chambers, City Hall Plaza, Rahway, New Jersey 07065

Date and Time
Hunterdon County Complex, Route 12, Building #1, Flemington, New Jersey 08822

The public is invited to attend and interested persons will be permitted to testify and/or make a statement of their views on the proposed increase. Information provided at the public hearings will become part of the record of this case and will be considered by the Board in making its decision. In order to encourage full participation in this opportunity for public comment, please submit requests for needed accommodations, including interpreter, listening devices and/or mobility assistance, 48 hours prior to the Hearing. In addition, members of the public may submit written comments concerning the Petition to the BPU regardless of whether they attend the Hearing by addressing them to: Kristi Izzo, Secretary, Board of Public Utilities, 44 South Clinton Avenue, 9th Floor, P.O. Box 350, Trenton, NJ 08625-0350. Hearings will continue, if necessary, on such additional dates and at such locations as the Office of Administrative Law may designate in order to ensure that all interested persons may be heard.

Pivotal Utility Holdings, Inc. d/b/a Elizabethtown Gas Brian MacLean – President

STATE OF NEW JERSEY)	
	:	SS
COUNTY OF UNION)	

Thomas Kaufmann, being duly sworn according to law, upon his oath, deposes and says:

- I am Manager of Rates and Tariffs of the Petitioner in the foregoing Petition and I am authorized to make this Affidavit on behalf of the Petitioner.
- 2. The statements made in the foregoing Petition and the Exhibits and Schedules submitted therewith correctly portray the information set forth therein, to the best of my knowledge, information and belief.

Thomas Kaufmann/

Manager, Rates and Tariffs

Sworn to and subscribed to before me this 26 h day of September, 2014.

DEBORAH Y. BAILEY

NOTARY PUBLIC OF NEW JERSEY My Commission Expires Sept. 8, 2015 STATE OF NEW JERSEY)
: ss:
COUNTY OF UNION)

Gary Marmo, being duly sworn according to law, upon his oath, deposes and says:

- I am Director of Sales, Mid Atlantic Operations for the Petitioner in the foregoing
 Petition and I am authorized to make this Affidavit on behalf of the Petitioner.
- 2. The statements made in the foregoing Petition and the Exhibits and Schedules submitted therewith correctly portray the information set forth therein, to the best of my knowledge, information and belief.

Gary Marmo

Director of Sales, Mid Atlantic Operations

Sworn to and subscribed to before me this 26 th day of September, 2014.

DEBORAH Y. BAILEY

NOTARY PUBLIC OF NEW JERSEY My Commission Expires Sept. 8, 2015

PIVOTAL UTILITY HOLDINGS, INC. d/b/a ELIZABETHTOWN GAS DIRECT TESTIMONY OF THOMAS KAUFMANN

- 1 O. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.
- 2 A. My name is Thomas Kaufmann. My business address is 300
- 3 Connell Drive, Suite 3000, Berkeley Heights, New Jersey
- 4 07922.
- 5 Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?
- 6 A. I am employed by Pivotal Utility Holdings, Inc. d/b/a
- 7 Elizabethtown Gas ("Elizabethtown" or "Company") as
- 8 Manager of Rates and Tariffs.
- 9 O. WHAT IS THE SCOPE OF YOUR DUTIES AT ELIZABETHTOWN?
- 10 A. I am responsible for designing and developing rates and
- rate schedules for regulatory filings with the New Jersey
- 12 Board of Public Utilities ("Board") and internal
- management purposes. I also oversee daily rate
- department functions, including tariff administration,
- 15 monthly parity pricing, competitive analyses and
- 16 preparation of management reports.
- 17 Q. PLEASE DESCRIBE YOUR PROFESSIONAL QUALIFICATIONS AND
- 18 BUSINESS EXPERIENCE.
- 19 A. In June 1977, I graduated from Rutgers University,
- Newark, N.J. with a Bachelor of Arts degree in Business
- 21 Administration, majoring in accounting and economics. In

- July 1979, I graduated from Fairleigh Dickinson
- 2 University, Madison, N.J. with a Masters of Business
- 3 Administration, majoring in finance.
- 4 My professional responsibilities have encompassed
- financial analysis, accounting, planning, and pricing in
- 6 manufacturing and energy services companies in both
- 7 regulated and unregulated industries. In 1977, I was
- 8 employed by Allied Chemical Corp. as a staff accountant.
- 9 In 1980, I was employed by Celanese Corp. as a financial
- 10 analyst. In 1981, I was employed by Suburban Propane as
- 11 a Strategic Planning Analyst, promoted to Manager of
- Rates and Pricing in 1986 and to Director of Acquisitions
- and Business Analysis in 1990. In 1993, I was employed
- 14 by Concurrent Computer as a Manager, Pricing
- 15 Administration. In 1996, I joined NUI Corporation
- 16 ("NUI") as a Rate Analyst, was promoted to Manager of
- 17 Regulatory Support in August 1997 and Manager of
- 18 Regulatory Affairs in February 1998, and named Manager of
- 19 Rates and Tariffs in July 1998. NUI Corporation was
- acquired by AGL Resources Inc. ("AGL") in November 2004.
- 21 AGL is now the parent company of Elizabethtown.
- 22 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?
- 23 A. The purpose of my testimony is to support Elizabethtown's
- 24 proposed revisions to its Energy Efficiency Program

- ("EEP") rate, formerly the Regional Greenhouse Gas
- 2 Initiative ("RGGI") rate, to be assessed to all customers
- 3 except those served under special contracts as filed and
- 4 approved by the Board and those customers exempt from
- 5 this charge pursuant to the Long-Term Capacity Agreement
- 6 Pilot Program (LCAPP), P.L. 2011, c. 9.
- 7 O. WHAT EFFECTIVE DATE DOES THE COMPANY PROPOSE FOR THE
- 8 PROPOSED EEP RATE?
- 9 A. The Company is proposing that the proposed EEP rate take
- effect on December 1, 2014. The calculation of the
- Il proposed rate is based on actual data from July 1, 2013
- through June 30, 2014 ("2014 Recovery Year"), and
- estimated data from July 1, 2014 through June 30, 2015
- ("2015 Recovery Year").
- 15 Q. WHAT IS THE BASIS FOR THE COMPANY'S PROPOSED REVISIONS TO
- 16 ITS EEP RATE?
- 17 A. The Company's filing is being made in compliance with the
- April 11, 2012 Board Order ("April 11 Order") in BPU
- 19 Docket No. GO11070399 which approved a Stipulation among
- 20 Petitioner, Board Staff and the Division of Rate Counsel
- 21 in which these parties agreed to the continued
- 22 implementation of the EEP Rider rate as approved by the
- 23 Board's August 3, 2009 Order ("August 3 Order") in BPU
- 24 Docket Nos. G009010056 and G009010060 et al., and the

ı	Board's January 19, 2011 Order ("January 19 Order") in
2	BPU Docket No. GO10070446. The EEP Rider rate enables
3	Elizabethtown to recover through a surcharge the costs
4	associated with certain Energy Efficiency Programs ("EE
5	Programs"). The August 3, January 19 and April 11 Orders
6	require the Company to make this annual filing to
7	reconcile the costs and cost recoveries for the 2014
8	Recovery Year with as much actual information as is
9	available through June 30, 2014 and to establish a rate
10	sufficient to recover those costs as well as the
11	projected EE Program rate revenue requirements for the
12	2015 Recovery Year.

13 Q. DOES YOUR TESTIMONY INCLUDE ANY ILLUSTRATIVE SCHEDULES?

- Yes. My testimony includes schedules and proposed tariff 14 A. 15 sheets that were prepared under my direction 16 supervision. These schedules contain information responsive to the Minimum Filing Requirements ("MFRs") as 17 referenced in the MFR Index attached to the Company's 18 Petition. The MFRs were set forth in Appendix D to the 19 Stipulation adopted as part of the August 3 Order. 20 The 21 schedules are as follows:
- 22 (a) Tariff Schedule TK-1 consists of revised
 23 tariff sheets in redlined and clean form
 24 reflecting the proposed EEP Rider rate;

1	(b)	EEP Schedule TK-1 sets forth the calculation
2		of the proposed EEP Rider rate to be
3		effective December 1, 2014;
4	(c)	EEP Schedule TK-2 sets forth the calculation
5		of the actual carrying costs on the EEP
6		balance for the period ended June 30, 2014
7		and projected thereafter;
8	(d)	EEP Schedule TK-3 sets forth the calculation
9		of the actual monthly EEP revenue requirement
10		through June 2014 and projected thereafter;
11	(e)	EEP Schedule TK-4 sets forth the EEP actual
12		monthly O&M and Program Expenditures through
13		June 2014 and projected thereafter;
14	(f)	EEP Schedule TK-5 sets forth actual cost
15		recoveries through June 30, 2014 and
16		projected thereafter; and
17	(g)	EEP Schedule TK-6 sets forth the actual
18		over/underrecovered carrying costs rate
19		applicable to the monthly balances set forth
20		on EEP Schedule TK-2 through June 30, 2014
21		and projected thereafter.

REVENUE FORECAST

- 2 Q. WHAT IS THE METHODOLOGY USED TO PROJECT FIRM SALES AND
- 3 SERVICES FOR THE RECOVERY YEAR IN ORDER TO DERIVE THE
- 4 COMPANY'S PROPOSED EEP RATE?
- 5 A. The methodology used to derive the Projected Normalized
- 6 Sales and Services on EEP Schedule TK-1 is the same as
- 7 that used in developing the demand forecast that
- 8 supported Elizabethtown's Basic Gas Supply Service rate
- 9 filing dated May 30, 2014. As I mention above, the EEP
- 10 rate is applicable to all customers except those served
- under special contracts as filed and approved by the
- 12 Board and those customers exempt pursuant to the Long-
- 13 Term Capacity Agreement Pilot Program or "LCAPP"
- 14 legislation.

1

EEP RATE

- 15 Q. PLEASE DESCRIBE THE EEP RIDER AND WHAT IT IS DESIGNED TO
- 16 RECOVER.
- 17 A. The August 3 Order authorized the establishment of a
- 18 surcharge by which Elizabethtown recovers the costs
- 19 associated with its EE Programs. The January 19 and April
- 20 11 Orders continued the implementation and calculation of
- 21 the EEP Rider rate as first approved by the August 3
- 22 Order, although some minor modifications to the
- 23 calculation of the EEP Rider rate were implemented

- pursuant to the April 11 Order as I explain below.
- 2 Details concerning actual expenditures and projected
- 3 spending, as well as other information associated with
- 4 the EE Programs, are provided in Mr. Marmo's testimony
- 5 and supporting schedules.
- 6 Q. PLEASE EXPLAIN HOW THE PROPOSED EEP RATE WAS CALCULATED.
- 7 A. The proposed EEP rate was calculated by taking the sum of
- 8 (i) the prior period balance, if any, plus (ii) current
- 9 year O&M costs, plus (iii) current year revenue
- requirements, less (iv) current year recoveries plus (v)
- applicable carrying costs for the 2014 Recovery Year and
- (vi) projected recoverable amounts for the 2015 Recovery
- 13 Year and dividing the total amount by the volumes
- projected for the 2015 Recovery Year for the service
- 15 classifications and customers subject to the EEP as shown
- on Tariff Schedule TK-1. The resulting quotient is
- 17 adjusted for applicable taxes and assessments to arrive
- at an EEP charge of \$0.0098 per therm inclusive of taxes.
- 19 Q. PLEASE EXPLAIN HOW INCURRED O&M COSTS AND REVENUE
- 20 REQUIREMENTS FOR PROGRAM EXPENDITURES ARE DETERMINED AND
- 21 CALCULATED.
- 22 A. Projected O&M amounts are recoverable in the year
- incurred. EE Program Expenditures are recoverable over a
- four (4) year period, as noted on EEP Schedule TK-4. The

calculation of the allowable monthly revenue requirement
for the amortized EE Program expenditures is set forth on
EEP Schedule TK-3. The allowable monthly recoverable
amount is developed by taking EE Program expenditures
less accumulated amortization and accumulated deferred
income tax credits to derive a month end rate base. The
average of the beginning and end of month balances is
multiplied by an after tax weighted average cost of
capital ("WACC") rate of 6.53% (through April 19, 2012),
6.42% (commencing April 20, 2012 through August 31,
2013) and 5.68% (commencing September 1, 2013), grossed
up for a revenue factor of 1.72431 (through August 31,
2013) and 1.71565 (commencing September 1, 2013) and
divided by twelve (12) to derive a monthly return on
investment. This amount, plus the monthly amortization,
results in the allowable monthly revenue. The Company's
WACC of 5.68% is that approved by a Board order issued
August 21, 2013 ("August 21 Order") in Docket No.
GO12100946. The previous WACC rate of 6.42% was applied
pursuant to the April 11 Order. The August 3 Order
required the Company to initially utilize the WACC rate
of 6.53%.

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- 1 Q. HOW WERE AMORTIZATION EXPENSES CALCULATED?
- 2 A. The amortization expenses were calculated by dividing
- 3 each month's amortizable expenditure by forty eight (48)
- 4 months and accumulating (or layering) the amounts to the
- 5 total monthly amortization expenses.
- 6 Q. HOW WERE DEFERRED INCOME TAXES CALCULATED?
- 7 A. The deferred tax benefit is calculated by multiplying the
- 8 temporary difference in the Company's tax and book
- 9 amortization expense by the effective income tax rate.
- 10 The tax rate used in the calculation of the deferred tax
- benefit for Elizabethtown is 41.08% through June 30, 2010
- and 40.85% thereafter and includes Corporate Business
- 13 Tax.
- 14 Q. ARE CARRYING COSTS INCLUDED IN THE EEP CALCULATION?
- 15 A. Yes. In accordance with the August 3, January 19 and
- 16 April 11 Orders, the Company is permitted to recover
- 17 carrying costs or issue credits on its EEP over/under
- 18 recovered balances. The Company will continue to accrue
- such amounts on its deferred EEP balances for recovery in
- subsequent years as shown on EEP Schedule TK-2.
- 21 Q. HOW WERE THE CARRYING COSTS CALCULATED?
- 22 A. Carrying cost rates are applied to each year's net prior
- year balance and current year revenue requirements and
- 24 recoveries. The interest rate is based on the Company's

EXHIBIT P-1

- monthly short-term debt rate on an after-tax basis and is
- applied monthly to the average monthly EEP balance as
- 3 shown on EEP Schedule TK-2. Interest on monthly balances
- 4 is not compounded.
- 5 Q. WHAT ARE THE RECOVERIES FOR THE 2014 RECOVERY YEAR?
- 6 A. EEP Schedule TK-5 presents the recoveries by month
- 7 totaling \$1,120,717 for the 2014 Recovery Year ending
- June 30, 2014 as shown on EEP Schedule TK-5.
- 9 Q. WHAT ARE THE EE PROGRAM COSTS REFLECTED IN THE FILING?
- 10 A. EEP Schedule TK-4 presents the expenditures for the EE
- Program used in setting the rate. For the 2014 Recovery
- Year the O&M is \$462,362 and amortizable EE Program
- Expenditures are \$389,870 for a total of \$852,232. For
- the 2015 Recovery Year, the Company is projecting the
- incurrence of an additional \$534,820 in O&M spending and
- amortizable EE Program expenditures of \$917,630, for a
- total of \$1,452,450. This results in total EE Program
- expenditures of \$6,192,464 from inception to June 30,
- 19 2015 as shown on EEP Schedule TK-3 Column c. A breakdown
- of these expenditures can also be found on EEP Schedule
- 21 GM-1 sponsored by Mr. Marmo.
- 22 Q. WHAT LEVEL OF COSTS IS THE PROPOSED EEP RATE DESIGNED TO
- 23 RECOVER?

- 1 A. For the 2015 Recovery Year, the EEP rate is designed to
- 2 recover \$3,970,804 as set forth on EEP Schedule TK-1,
- line 8. This amount is made up of (i) the 2014 Recovery
- 4 Period estimated underrecovery balance of \$2,295,839 as
- set forth on EEP Schedule TK-1 line 6 and as calculated
- on EEP Schedule TK-2, and (ii) the 2015 Recovery Period
- 7 projected recoverable amounts of \$1,674,965 as shown on
- 8 EEP Schedule TK-1 line 7 and as calculated on EEP
- 9 Schedule TK-3 and TK-4.
- 10 Q. WHAT IS THE IMPACT OF THE PROPOSED CHANGES IN THESE RATES
- ON TYPICAL RESIDENTIAL CUSTOMERS?
- 12 A. The impact of the proposed adjustment to the EEP rate on
- a typical residential heating customer using 100 therms
- is to increase the customer's typical monthly bill by
- 15 \$0.56 from \$112.18 to \$112.74, an increase of 0.5%, as
- 16 compared to the Company's present rates.
- 17 Q. DOES THIS CONCLUDE YOUR TESTIMONY?
- 18 A. Yes, it does.

RIDER "G"

ENERGY EFFICIENCY PROGRAM ("EEP")

Applicable to all customers except those customers under special contracts as filed and approved by the NJBPU and those customers exempted pursuant to the Long-Term Capacity Agreement Pilot Program ("LCAPP"), P.L. 2011 c.9, codified as N.J.S.A. 48:3-60.1. See the LCAPP Exemption Procedures at the end of the Societal Benefits Charge ("SBC") Rider "D."

The EEP shall be collected on a per therm basis and shall remain in effect until changed by order of the NJBPU. The applicable EEP unit charges are as follows:

\$0.0098\$0.0042 per therm

In accordance with P.L. 1997, c. 162, the charges applicable under this Rider include provision for the New Jersey Sales and Use Tax, and when billed to customers exempt from this tax shall be reduced by the amount of such tax included therein.

In the "Global Warming Act," *N.J.S.A.*26-2C-45, or "RGGI Legislation" the State Legislature determined that global warming is a pervasive and dangerous threat that should be addressed through the establishment of a statewide greenhouse gas emissions reduction program. On May 8, 2008, the Board issued an Order (the "RGGI Order") pursuant to *N.J.S.A.* 48:3-98.1(c). The RGGI Order allowed electric and gas public utilities to offer energy efficiency and conservation programs on a regulated basis. By Order dated April 11, 2012 in Docket No. GO11070399, the Board approved a Stipulation that extended the program for one year, changed the name to EEP, and streamlined the program offerings. By Order dated April 29, 2013 in Docket No. GO12100946, the Board approved a Stipulation that extended the program to September 1, 2013. By Order dated August 21, 2013 in Docket No. GO12100946, the Board approved a Stipulation that extended the program through August, 2015.

The EEP will enhance or supplement existing Clean Energy Program ("CEP") incentives with programs such as:

- 1. Expanded gas HVAC and hot water heater incentive programs for residential customers;
- 2. Commercial customer energy efficiency programs which enhance CEP SmartStart and Pay for Performance incentives; and
- 3. Enhanced customer education and outreach initiatives designed to encourage customers to conserve energy and lower their gas bills.

Date of Issue: December 27, 2013

Effective: Service Rendered on and after January 1, 2014

Issued by:

Brian MacLean, President Jodi Gidley
Sr. Vice President Mid-Atlantic Operations

300 Connell Drive, Suite 3000

Berkeley Heights, New Jersey 07922

Filed Pursuant to Order of the Board of Public Utilities

Dated December 18, 2013 in Docket No.s. GO10070446, GR11070398 and GR12080729

CLEAN

ELIZABETHTOWN GAS B. P. U. NO. 14 – GAS CANCELLING B. P. U. NO. 13 – GAS

REVISED SHEET NO. 120

RIDER "G"

ENERGY EFFICIENCY PROGRAM ("EEP")

Applicable to all customers except those customers under special contracts as filed and approved by the NJBPU and those customers exempted pursuant to the Long-Term Capacity Agreement Pilot Program ("LCAPP"), P.L. 2011 c.9, codified as N.J.S.A. 48:3-60.1. See the LCAPP Exemption Procedures at the end of the Societal Benefits Charge ("SBC") Rider "D."

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- 3. Enhanced customer education and outreach initiatives designed to encourage customers to conserve energy and lower their gas bills.

Date of Issue:

Effective: Service Rendered on and after

Issued by:

Brian MacLean, President 300 Connell Drive, Suite 3000

Berkeley Heights, New Jersey 07922

Filed Pursuant to Order of the Board of Public Utilities

Dated

in Docket No.

PIVOTAL UTILITY HOLDINGS, INC. d/b/a ELIZABETHTOWN GAS

ENERGY EFFICIENCY PROGRAM ("EEP")

CALCULATION OF THE EEP RATE

October 1, 2014 through September 30, 2015 RECOVERY YEAR - 2015

1	Prior Year Balance - (Sch. TK-2)	\$1,687,666	
2	Actual Amounts Through: June 30, 2014 Current Year O& M Costs (Sch. TK-2)	\$462,362	
3	Current Year Revenue Requirements (Sch. TK-2)	\$1,262,158	
4	Current Year Recoveries (Sch.TK-2)	(\$1,120,717)	
5	Current Year Carrying Costs (Sch. TK-2)	\$4,370	-
6	Proforma Current Year TK-2 Ending Balance (Sum L1-L5)	\$2,295,839	
7	Projected Recoverables : June 30, 2015 - Revenue Requirements (Sch. TK-3) \$1,140,145 - O&M Costs (Sch. TK-4) \$534,820		-
8	Total Proposed Recoveries (L6+L7)	\$3,970,804	
9	12 Month Projected Normalized Sales and Services: 220,519,700 - Residential 135,979,463 - Industrial 73,886,247 - Street /Yard Lights 28,800 - Cogeneration 0		therms
	EEP Rate, before taxes and assessment (L8/L9) BPU & RC Assessment Factors	\$0.0092 1.0028	/therm
	EEP Rate, before taxes (L10*L11) Sales & Use Tax @ 7.00%	\$0.0092 <u>\$0.0006</u>	
14	EEP Rate (L12+L13)	\$0.0098	/therm

<u>a</u>	Beginning Balance b	Revenue Requirement <u>TK-3</u> g	O&M <u>TK-4</u> <u>d</u>	Recoveries <u>TK-5</u> <u>e</u>	Ending <u>Balance</u> f=b+c+d-e	Average <u>Balance</u> g=(b+t)2	Interest Rate TK-6	Carrying Cost i=g*h/12	Ending Balance plus Cum. (O)/U Carrying Cost j=f+ cum of i
Ossissina Dais	1880								
Beginning Bala Aug-09	50	\$10	\$8,706	\$61,140	(\$52,424)	(\$26,212)	0.49%	(\$11)	(\$52,435)
Sep-09	(\$52,424)	\$1,396	\$13,297	\$89,133	(\$126,864)	(\$89,644)		(\$35)	(\$126,910)
Oct-09	(\$126,864)	\$13,475	\$40,569	\$130,405	(\$203,225)	(\$165,045)		(\$56)	(\$203,327)
Nov-09	(\$203,225)	\$15,083	\$27,604	\$209,425	(\$369,963)	(\$286,594)		(\$79)	(\$370,144)
Dec-09	(\$369,963)	\$15,137	\$62,504	\$340,002	(\$632,324)	(\$501,144)		(\$129)	(\$632,634)
Jan-10	(\$632,324)	\$15,718	\$137,056	\$538,305	(\$1,017,855)	(\$825,090)		(\$213)	(\$1,018,378)
Feb-10	(\$1;017,855)	\$16,254	\$48,017	\$506,821	(\$1,460,405)	(\$1,239,130)	0.34%	(\$351)	(\$1,461,279)
Mar-10	(\$1,460,405)	\$17,824	\$47,276	\$407,083	(\$1,802,388)	(\$1,631,397)	0.38%	(\$517)	(\$1,803,779)
Apr-10	(\$1,802,388)	\$18,521	\$60,333	\$408,577	(\$2,132,111)	(\$1,967,250)		(\$1,098)	(\$2,134,600)
May-10	(\$2,132,111)	\$19,580	\$54,401	\$169,421	(\$2,227,551)	(\$2,179,831)		(\$1,199)	(\$2,231,239)
Jun-10	(\$2,227,551)	\$20,490	\$22,376	\$131,572	(\$2,316,257)	(\$2,271,904)	0.35%	(5663)	(\$2,320,608)
	,						-		
2010 Recovery	/ Year	\$153,488	\$522,139	\$2,991,884			-	(\$4,351)	
* Projected									
			055 005	ስለብር <u></u> ታስሮ	/en 500 444\	(\$2,344,510)	0.35%	(\$684)	(\$2,369,095)
Jul-10	(\$2,320,608)	\$22,043	\$56,880	\$126,72 6	(\$2,368,411) (\$2,331,274)	(\$2,344,310)		(\$627)	(\$2,332,585)
10	(\$2,368,411)	\$23,028	\$130,408 \$80,078	\$116,299 \$113,707	(\$2,339,464)	(\$2,335,369)		(\$584)	(\$2,341,359)
10	(\$2,331,274)	\$25,439	\$80,076 \$88,429	\$136,686	(\$2,359,395)	(\$2,349,430)		(\$587)	(\$2,361,877)
Oct-10	(\$2,339,464)	\$28,326	\$122,538	\$240,742	(\$2,445,312)	(\$2,402,354)		(\$601)	(\$2,448,395)
Nov-10	(\$2,359,395)	\$32,287 535,433	\$175,175	\$439,091	(\$2,673,795)	(\$2,559,554)		(\$640)	(\$2,677,518)
Dec-10	(\$2,445,312)	\$43,067	\$27,045	\$577,208	(\$3,180,891)	(52,927,343)		(\$707)	(\$3,185,321)
Jan-11	(\$2,673,795)	\$45,383	\$78,660	\$301,886	(\$3,358,734)	(\$3,269,813)		(\$790)	(\$3,363,954)
Feb-11	(\$3,180,891)	\$45,363 \$48,794	\$68,419	\$4,887	(\$3,246,408)	(\$3,302,571)		(\$1,486)	(\$3,253,114)
Mar-11	(\$3,358,734)	\$46,7 94 \$51,888	\$162,484	\$4,604	(\$3,036,640)	(\$3,141,524)		\$0	(\$3,043,346)
Apr-11	(\$3,246,408)	\$56,262	\$150,777	(\$508)	(\$2,829,093)	(\$2,932,867)		(\$464)	(\$2,836,263)
May-11	(\$3,036,640)	\$58,722	\$173,929	\$413	(\$2,596,855)	(\$2,712,974)		(\$407)	(\$2,604,432)
Jun-11	(\$2,829,093)	\$30,722	3 173,923	¥+13	(42,555,555)	(water rates r	,	14	***
2011 Recover	. Voor	\$470,672	\$1,314,822	\$2,061,741			•	(\$7,577)	
* Projected	y real	3470,072	ψ1,013,0±±	4-14-6-11-1-1			•		
Frojecieu									
Jul-11	(\$2,604,432)	\$62,500	\$181,976	\$887	(\$2,360,843)	(\$2,482,638)	0.20%	(\$414)	(\$2,361,257)
Aug-11	(\$2,360,843)	\$67,971	\$100,753	\$298	(\$2,192,417)	(\$2,276,630)		(\$379)	(\$2,193,210)
Sep-11	(\$2,192,417)	\$73,398	\$65,763	\$423	(\$2,053,679)	(\$2,123,048)	0.00%	\$0	(\$2,054,472)
Oct-11	(\$2,053,679)	\$76,932	\$183,180	\$348	(\$1,791,915)	(\$1,922,797)		\$0	(\$1,792,708)
Nov-11	(\$1,791,915)	\$73,285	\$160,096	\$623	(\$1,559,157)	(\$1,675,536)	0.28%	(\$391)	(\$1,560,341)
Dec-11	(\$1,559,157)	\$76,965	\$231,018	\$33	(\$1,251,207)	(\$1,405,182)		(\$398)	(\$1,252,789)
Jan-12	(\$1,251,207)	\$83,738	\$98,310	\$379	(\$1,069,538)	(\$1,160,373)	0.33%	(\$319)	(\$1,071,439)
	(\$1,069,538)	\$90,157	\$184,277	\$201	(\$795,305)	(\$932,422)		(\$233)	(\$797,439)
Feb-12		\$96,320	\$181,438	\$304	(\$517,851)	(\$656,578)		(\$153)	(\$520,138)
Mar-12	(\$795,305) (\$517.851)	\$101,150	\$94,157	\$688	(\$323,232)	(\$420,542)		(\$98)	(\$325,617)
Apr-12	(\$517,851)	\$106,654	\$94,137 \$93,195	\$60	(\$123,443)	(\$223,338)	•	(\$52)	(\$125,880)
May-12	(\$323,232) (\$123,443)	\$100,034	\$26,994	\$172	\$11,223	(\$56,110)		(\$13)	\$8,773
Jun-12	(0123,443)	का का विकास	020,004	₩,,	4	₹ -, = = 1 · ₹ = 1		•	•
2012 Recover	u Vear	\$1,018,914	\$1,601,157	\$4,416			•	(\$2,450)	
* Projected	y (CB)	with the contract of	J.102.11.MI				•		
Fojected									

<u>a</u>	Beginning <u>Balance</u> <u>b</u>	Revenue Requirement TK-3 g	О&М <u>ТК-4</u> <u>d</u>	Recoveries <u>TK-5</u> <u>e</u>	Ending <u>Balance</u> f=b+c+d-e	Average <u>Balance</u> g=(b+f)2	Interest Rate TK-6 h	Carrying Cost i=q*h/12	Ending Balance plus Cum. (O)/U <u>Carrying Cost</u> <u>i=f+ cum of i</u>
Jul-12	\$8,773	\$107,674	\$25,873	\$ 79	\$142,241	\$75,507	0.29%	\$18	\$142,259
Aug-12	\$142,241	\$108,483	\$17,645	\$87	\$268,282	\$205,262	0.29%	\$50	\$268,350
Sep-12	\$268,282	\$108,453	\$17,616	\$68	\$394,283	\$331,283	0.30%	\$83	\$394,434
Oct-12	\$394,283	\$109,496	\$28,129	\$53	\$531,855	\$463,069	0.30%	\$116	\$532,122
Nov-12	\$531,855	\$109,765	\$24,369	(\$18)	\$666,007	\$598,931	0.30%	\$150	\$666,424
Dec-12	\$666,007	\$110,233	\$61,968	\$5	\$838,203	\$752,105	0.30%	\$188	\$838,808
Jan-13	\$838,203	\$110,092	\$9,886	\$1 3 6	\$958,045	\$898,124	0.30%	\$225	\$958,875
Feb-13	\$958,045	\$110,538	\$45,728	\$397	\$1,113,914	\$1,035,980	0.30%	\$259	\$1,115,003
Mar-13	\$1,113,914	\$111,559	\$20,225	(\$28)	\$1,245,726	\$1,179,820	0.28%	\$275	\$1,247,090
Apr-13	\$1,245,726	\$113,898	\$52,786	\$85	\$1,412,325	\$1,329,026	0.25%	\$277	\$1,413,966
May-13	\$1,412,325	\$114,444	\$20,896	(\$45)	\$1,547,710	\$1,480,018	0.24%	5296	\$1,549,647
Jun-13	\$1,547,710	\$114,802	\$22,932	(\$2)	\$1,685,446	\$1,616,578	0.21%	\$283	\$1,687,666
					• (1000) / (0	4 • 1 • • • • • • • • • • • • • • • • • • •	-		
2013 Reco	very Year	\$1,329,437	\$348,053	\$817			-	\$2,220	
* Projected									
	*	*440 000	240 045	er	\$1,822,831	\$1,755,249	0.21%	\$307	\$1,823,138
Jul-13	\$1,687,666	\$115,255	\$19,915	\$5 \$7	\$1,022,031 \$1,948,586	\$1,735,249	0.21%	\$307 \$314	\$1,949,207
· -13	\$1,822,831	\$115,637	\$10,125 \$25,080	φ, \$53	\$2,086,505	\$2,017,596	0.21%	\$353	\$2,087,580
13	\$1,948,586	\$112,993	\$25,060 \$12,054	(\$15)	\$2,000,000	\$2,017,350	0.22%	\$393	\$2,202,682
Oct-13	\$2,086,606	\$102,640	\$51,173	\$0	\$2,355,364	\$2,278,340	0.21%	\$399	\$2,357,130
Nov-13	\$2,201,315	\$102,876 \$102,698	\$32,710	\$3	\$2,490,769	\$2,423,067	0.21%	\$424	\$2,492,959
Dec-13	\$2,355,364 \$2,490,769	\$102,096	\$86,716	\$145,595	\$2,534,609	\$2,512,689	0.20%	\$419	\$2,537,218
Jan-14		\$102,713	\$49,011	\$321,203	\$2,365,208	\$2,449,909	0.20%	\$408	\$2,368,225
Feb-14 Mar-14	\$2,534,609 \$2,365,208	\$101,066	\$54,349	\$289,915	\$2,230,708	\$2,297,958	0.21%	\$402	\$2,234,127
Apr-14	\$2,230,708	\$101,422	\$81,132	\$191,983	\$2,221,279	\$2,225,994	0.22%	\$408	\$2,225,106
May-14	\$2,230,708	\$101,134	\$13,859	\$105,685	\$2,230,587	\$2,225,933	0.14%	\$260	\$2,234,674
Jun-14	\$2,230,587	\$100,927	\$26,238	\$66,283	\$2,291,469	\$2,261,028	0.15%	\$283	\$2,295,839
Juli-1-	Ψ2,200,001	0 100,02.	4.00 10.00	•••	*				
2014 Reco	verv Year	\$1,262,158	\$462,362	\$1,120,717			_	\$4,370	
* Projected									
Jul-14	* \$2,295,839	\$100.971	\$50,235	\$ 51,588	\$2,395,457	\$2,345,648	0.15%	\$293	\$2,395,750
Aug-14	* \$2,395,457	\$101,683	\$36,735	\$52,233	\$2,481,642	\$2,438,550	0.15%	\$305	\$2,482,240
Sep-14	* \$2,481,642	\$101,061	\$36,735	\$51,454	\$2,567,984	\$2,524,813	0.15%	\$316	\$2,568,898
Oct-14	* \$2,567,984	\$100,173	\$50,235	\$72,844	\$2,645,548	\$2,606,766	0.15%	\$326	\$2,646,788
Nov-14	* \$2,645,548	\$98,356	\$36,735	\$124,963	\$2,655,676	\$2,650,612	0.15%	\$331	\$2,657,247
Dec-14	* \$2,655,676	\$97,359	\$36,735	\$332,130	\$2,457,640	\$2,556,658	0.15%	\$320	\$2.459,531
Jan-15	* \$2,457,640	\$92,299	\$70,235	\$653,888	\$1,966,286	\$2,211,963	0.15%	\$276	\$1,968,453
Feb-15	* \$1,966,286	\$92,403	\$36,735	\$690,968	\$1,404,456	\$1,685,371	0.15%	\$211	\$1,406,834
Mar-15	* \$1,404,456	\$90,926	\$36,735	\$580,108	\$952,009	\$1,178,233	0.15%	\$147	\$954,534
Apr-15	* \$952,009	\$89,913	\$70,235	\$377,713	\$734,444	\$843,227	0.15%	\$10 5	\$737,074
May-15	* \$734,444	\$87,693	\$36,735	S224,70 2	\$634,170	\$684,307	0.15%	\$86	\$636,886
Jun-15	* \$634,170	\$87,308	\$36,735	\$136,546	\$621,667	\$627,919	0.15%	\$78	\$624,461
2015 Reco	very Year	\$1,140,145	\$534,820	\$3,349,137			-	\$2,794	
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		Beginning Balance	Revenue Requirement <u>TK-3</u>	O&M <u>TK-4</u>	Recoveries <u>TK-5</u>	Ending Balance	Average Balance	Interest Rate TK-6	Carrying Cost	Ending Balance plus Cum. (O)/U Carrying Cost
<u>a</u>		<u>p</u>	<u>c</u>	₫	Ē	f=b+c+d-e	q=(b+f)2	<u>h</u>	i=g*h/12	j=f+ cum of i
Jul-15	*	\$624,461	\$85,539	\$50,235	\$121,696	\$638,539	\$631,500	0.15%	\$79	\$638,618
Aug-15	k	\$638,539	\$82,432	\$36,735	\$123,215	\$634,491	\$636,515	0.15%	\$80	\$634,650
Sep-15	*	\$634,491	\$77,739	\$0	\$121,380	\$590,850	\$612,671	0.15%	\$77	\$591,086
Oct-15	*	\$590,850	\$72,747	.\$0	\$119,540	\$544,057	\$567,454	0.15%	\$71	\$544,364
Nov-15	*	\$544,057	\$77,637	\$0	\$112,146	\$509,548	\$526,803	0.15%	\$6 6	\$509,921
Dec-15	*	\$509.548	\$73,135	\$0	\$176,129	\$406,554	\$458,051	0.15%	\$57	\$406,984
Jan-16	*	\$406,554	\$67,007	\$0	\$248,761	\$224,800	\$315,677	0.15%	\$39	\$225,269
Feb-16	*	\$224,800	561,384	\$0	\$262,868	\$23,316	\$124,058	0.15%	\$16	\$23,801
Mar-16	*	\$23,316	\$55,931	\$0	\$220,693	(\$141,446)	(\$59,065)	0.15%	(87)	(\$140,968)
Apr-16	*	(\$141,446)	\$51,552	\$0	\$143,695	(\$233,589)	(\$187,518)		(\$23)	(\$233,134)
May-16	*	(\$233,589)	546,378	\$0	\$85,485	(\$272,696)	(\$253,143)		(\$32)	(\$272,273)
Jun-16	*	(\$272,696)	\$45,263	\$0	\$51,946	(\$279,379)	(\$276,038)	0.15%	(\$35)	(\$278,991)
54.7		(+,				, , ,		_		
2016 Reco	overy '	Year	\$796,744	\$86,970	\$1,787,554			_	\$388	
* Projected	d	1	***************************************							
·						(0000 407)	10070 COO	0.450/	(80E)	/8000 AAD)
Jul-16	*	(\$278,991)	\$44,882	SO	\$46,298	(\$280,407)	(\$279,699)		(\$35)	(\$280,442) (\$283,801)
Aug-16	*	(\$280,407)	\$43,551	\$0	\$46,875	(\$283,731)	(\$282,069)		(\$35)	• •
-16	*	(\$283,731)	\$43,073	\$0	\$46,176	(5286.834)	(\$285,283)		(\$36)	(\$286,940)
16	*	(\$286,834)	\$41,548	\$0	\$37,357	(\$282,643)	(\$284,739)		(\$36)	(\$282,785)
Nov-16	*	(\$282,643)	\$40,828	\$0	\$12,818	(\$254,633)	(\$268,638)		(\$34)	(\$254,809)
Dec-16	*	(\$254,633)	\$39,839	\$0	\$20,129	(\$234,923)	(\$244,778)		(\$31)	(\$235,130)
Jan-17	*	(\$234,923)	\$39,421	\$0	\$28,430	(\$223,932)	(\$229,428)		(\$29)	(\$224,168)
Feb-17	*	(\$223,932)	\$38,417	\$0	\$30.042	(\$215,557)	(\$219,745)		(\$27)	(\$215,820)
Mar-17	*	(\$215,557)	\$36,973	\$0	\$25.222	(\$203,806)	(\$209,682)		(\$26)	(\$204,095)
Apr-17	*	(\$203,806)	\$34,416	\$0	\$16,423	(\$185,813)	(\$194,810)		(\$24)	(\$186,126)
May-17	*	(\$185,813)	\$33,573	\$0	\$9,770	(\$162,010)	(\$173,912)		(\$22)	(\$162,345)
Jun-17	*	(\$162,010)	\$32,700	\$0	\$5,938	(\$135,248)	(\$148,629)	0.15%	(\$19)	(\$135,602)
8847 D			0460 004	\$0	\$325,478			-	(\$354)	
2017 Reco		rear	\$469,221		\$320,476			-	(\$00+)	
riojeciei	u									
Jul-17	*	(\$135,602)	\$31,745	\$0	\$5,292	(\$109,149)	(\$122,376)		(\$15)	(\$122,391)
Aug-17	~	(\$109,149)	\$30,857	\$0	\$5,357	(\$83,649)	(\$96,399)		(\$12)	(\$96,426)
Sep-17	4	(\$83,649)	\$30,308	\$0	\$5,277	(\$58,618)	(\$71,134)		(\$9)	(\$71,170)
Oct-17	*	(\$58,618)	\$29,674	\$0	\$9,339	(\$38,283)	(\$48,451)		(\$6)	(\$48,493)
Nov-17	*	(\$38,283)	\$28,811	\$0	\$16,021	(\$25,493)	(\$31,888)		(\$4)	(\$31,934)
Dec-17	×	(\$25,493)	\$28,390	\$0	\$25,162	(\$22,265)	(\$23,879)		(\$3)	(\$23,928)
Jan-18	*	(\$22,265)	\$27,316	\$0	\$35,538	(\$30,487)	(\$26,376)		(\$3)	(\$26,428)
Feb-18	*	(\$30,487)	\$26,408	\$0	\$37,552	(\$41,631)	(\$36,059)		(\$5)	(\$36,116)
Mar-18	*	(\$41,631)		\$0	\$31,527	(\$46,899)	(\$44,265)		(\$6)	(\$44,328)
Apr-18	*	(\$46,899)	\$24,956	\$0	\$20,527	(\$42,470)	(\$44,685)	0.15%	(\$6)	(\$44,754)
May-18	*	(\$42,470)	\$23,973	\$0	\$12,21 2	(\$30,709)	(\$36,590)	0.15%	(\$5)	(\$36,664)
Jun-18	*	(\$30,709)		\$0	\$7,421	(\$15,085)	(\$22,897)	0.15%	(\$3)	(\$22,974)
****			0001.710		ሰለ44 ስላተ			-	/#77°	
2018 Reco		Year	\$331,742	\$0	\$211,225			-	(\$77)	
* Projected	a									
Jul-18		(\$22,974)	\$21,349	\$0	\$6,614	(\$8,239)	(\$15,607)	0.15%	(\$2)	(\$8,241)
A7-18	*	(\$8,239)	•	\$0	\$6,697	\$4,724	(\$1,758)		so	\$4,722
18	*	\$4,724	\$17,979	\$0	\$6,596	\$16,107	\$10,416	0.15%	\$1	\$16,106
		•	•							

a		Beginning Balance b	Revenue Requirement <u>TK-3</u> g	O&M <u>TK-4</u> <u>d</u>	Recoveries TK-5 e	Ending <u>Balance</u> f=b+c+d-e	Average Balance g=(b+f)2	Interest Rate TK-6 h	Carrying <u>Cost</u> i=g*h/12	Ending Balance plus Cum. (O)/U Carrying Cost I=f+ cum of i
a		2	2	×	₹		a in in			↓
Oct-18	*	\$16,107	\$16,302	\$0	\$7,471	\$24,938	520,523	0.15%	\$3	\$24,940
Nov-18	78	\$24,938	\$14,636	\$0	\$9,613	\$29,961	\$27,450	0.15%	\$3	\$29,966
Dec-18	*	\$29,961	\$12,978	\$0	\$15,097	\$27,842	\$28,902	0.15%	\$4	\$27,851
Jan-19	*	\$27,842	\$11,328	\$0	\$21,323	\$17,847	\$22,845	0.15%	\$3	\$17,85 9
Feb-19	*	\$17,847	\$9,684	\$0	\$22,532	\$4,999	\$11,423	0.15%	\$1	\$5,012
Mar-19	*	\$4,999	\$8,049	\$0	\$18,916	(\$5,868)	(\$435)	0.15%	\$0	(\$5,855)
Apr-19	*	(\$5,868)	\$6,418	SO	\$12,317	(\$11,767)	(\$8,818)	0.15%	(\$1)	(\$11,755)
May-19	*	(\$11,767)	\$4,809	\$0	\$7,328	(\$14,286)	(\$13,027)	0.15%	(\$2)	(\$14,276)
Jun-19	*	(\$14,286)	\$3,194	\$0	\$4,453	(\$15,545)	(\$14,916)	0.15%	(\$2)	(\$15,537)
2019 Recovery Year			\$146,386	SO	\$138,957				\$8	
* Projecte		rear	\$140,300	30	3130,307			-		
Jul-19	*	(\$15,537)	\$1,587	\$0	\$3,969	(\$17,919)	(\$16,728)	0.15%	(\$2)	(\$17,905)
Aug-19	*	(\$17,919)	(\$13)	\$0	\$4,018	(\$21,950)	(\$19,935)	0.15%	(\$2)	(\$21,938)
Sep-19	•	(\$21,950)	\$0	\$0	\$3,958	(\$25,908)	(\$23,929)	0.00%	\$0	(\$25,896)
Oct-19	*	(\$25,908)	\$0	\$0	\$3,735	(\$29,643)	(\$27,776)		\$0	(\$29,631)
Nov-19	*	(\$29,643)	\$0	\$0	\$0	(\$29,643)	(\$29,643)		\$0	(\$29,631)
Dec-19	*	(\$29,643)	\$0	\$0	\$0	(\$29,643)	(\$29,643)		\$0	(\$29,631)
30	*	(\$29,643)	\$0	\$0	\$0	(\$29,643)	(\$29,643)	0.00%	\$0	(\$29,631)
20	*	(\$29,643)	\$0	\$0	\$0	(\$29,643)	(\$29,643)		\$0	(\$29,631)
Mar-20	*	(\$29,643)	\$0	\$0	\$0	(\$29,643)	(\$29,643)		\$0	(\$29,631)
Apr-20	*	(\$29,643)	\$0	SO.	\$0	(\$29,643)	(\$29,643)	0.00%	\$0	(\$29,631)
May-20	*	(\$29,643)	\$0	\$0	\$0	(\$29,643)	(\$29,643)	0.00%	SO	(\$29,631)
Jun-20	*	(\$29,643)	\$0	\$0	\$0	(\$29,643)	(\$29,643)	0.00%	50	(\$29,631)
2020 Recovery Year		\$1,574	\$0	\$15,680				(\$4)		

Monthly Recoverable investment Program Expenditures - Amortized Over Four Years

Program Expenditures - Amoruzod Over Four Years														
										Wtd. Avg Cost of		Monthly	Monthly	
	Amortizable		8	4	Manatha	A	Accum	Enmines I	Augrapa	Capital (1)	Revenue	Return on	Revenue	YTD ending
	Expenditures	Cumulative	Average Expenditures	Amort Months	Monthly Amortization	Accum Amort	Deferred Income Tax	Earnings / Rate Base	Average Rate Base	After-tax	Factor	Rate Base	Requirement	June
	TK-4	Expenditures	<u>d</u>	e E	f	g	h	i=c-g-h	1	<u>k</u>	1	m= (i) *k*1/12	n=m+f	u u i i u
B Pogin Pol	<u>þ</u>	<u>c</u> \$0	'n.	<u> </u>	1	\$0	E	\$0	<u>-</u>	=	•			
Begin Bak	ance \$415	\$415	\$208	48	\$9	\$9	\$167	\$239	\$120	6.87%	1 71702	\$1	\$10	
Aug-09 Sep-09	\$58,552	\$58,967	\$29,691	48	\$1,228	\$1,237	\$23,715	\$34,015	\$17,127	6.87%	1.71702	\$168	\$1,396	
Oct-09	\$503,469	\$562,436	\$310,702	48	\$11,717	\$12,954	\$225,727	\$323,755	\$178,885	6.87%	1.71702	\$1,758	\$13,475	
Nov-09	\$9,154	\$571,590	\$567,013	48	\$11,908	\$24,862	\$224,596	\$322,132	\$322,944	6.87%	1 71702	\$3,175	\$15,083	
Dec-09	\$6,648	\$578,238	\$574,914	48	\$12,047	\$36,909	\$222,378	\$318,951	\$320,542	6.71%	1.72388	\$3,090	\$15,137	
Jan-10	\$29,746	\$607,984	\$593,111	48	\$12,666	\$49,575	\$229,394	\$329,015	\$323,983	6 53%	1.73120	\$3,052	\$15,718	
Feb-10	\$22,212	\$630,196	\$619,090	48	\$13,129	\$62,704	\$233,125	\$334,367	\$331,691	6.53%	1 73120	\$3,125	\$16,254	
Mar-10	\$67,165	\$697,361	\$663,779	48	\$14,528	\$77,232	\$254,749	\$365,380	\$349,874	6 53%	1 73120	\$3,296	\$17,824	
Apr-10	\$25,100	\$722,461	\$709,911	48	\$15,051	\$92,283	\$258,877	\$371,301	\$368,341	6.53%	1.73120	\$3,470	\$18,521	
May-10	\$45,518	\$767,979	\$745,220	48	\$16,000	\$108,283	\$271,003	\$388,693	\$379,997	8.53%	1,73120	\$3,580	\$19,580	11 mos.
Jun-10	\$37,061	\$805,040	\$786,510	48	\$16,772	\$125,055	\$279,338	\$400,647	\$394,670	6.53%	1 73120	\$3,718	\$20,490	\$153,488
สนใ-10	\$66,161	\$871,201	\$838,121	48	\$18,150	\$143,205	\$298,950	\$429,046	\$414,847	6 53%	1.72431	\$3,893	\$22,043	
Aug-10	\$38,308	\$909,509	\$890,355	48	\$18,948	\$162,153	\$306,859	\$440,497	\$434,772	6 53%	1 72431	\$4,080	\$23,028	
Sep-10	\$102,354	\$1,011,863	\$960,686	48	\$21,080	\$183,233	\$340,059	\$488,571	\$464,534	6.53%	1.72431	\$4,359	\$25,439	
Oct-10	\$115,476	\$1,127,339	\$1,069,601	48	\$23,486	\$206,719	\$377,637	\$542,983	\$515,777	6 53%	1 72431	\$4,840	\$28,326	
Nov-10	\$160,103	\$1,287,442	\$1,207,391	48	\$26,822	\$233,541	\$432,082	\$621,819	\$582,401	6.53%	1 72431	\$5,465	\$32,287	
Dac-10	\$121,085	\$1,408,527	\$1,347,985	48	\$29,344	\$262,885	\$469,558	\$676,084	\$648,952	6 53%	1 72431	\$6,089	\$35,433	
Jan-11	\$316,793	\$1,725,320	\$1,566,924	48	\$35,944	\$298,829	\$584,285	\$842,206	\$759,145	6 53%	1.72431	\$7,123	\$43,067	
Feb-11	\$69,466	\$1,794,786	\$1,760,053	48	\$37,391	\$336,220	\$597,387	\$861,179	\$851,693	6 53%	1 72431	\$7,992	\$45,383	
Mar-11	\$145,466	\$1,940,252	\$1,867,519	48	\$40,422	\$376,642	\$640,298	\$923,312	\$892,246	6.53%	1 72431	\$8,372	\$48,794	
Apr-11	\$123,753	\$2,064,005	\$2,002,129	48	543,000	\$419,642	\$673,285	\$971,078	\$947,195	6.53%	1.72431	\$8,888	\$51,888	
May-11	\$181,299	\$2,245,304	\$2,154,655	48	\$46,777	\$466,419	\$728,238	\$1,050,647	\$1,010,863	6,53%	1.72431	\$9,485	\$56,262	
Jun-11	\$94,109	\$2,339,413	\$2,292,359	48	\$48,738	\$515,157	\$746,772	\$1,077,484	\$1,064,066	6.53%	1 72431	\$9,984	\$58,722	\$470,672
Jul-11	\$160,805	\$2,500,218	\$2,419,816	48	\$52,088	\$567,245	\$791,183	\$1,141,790	\$1,109,637	6.53%	1 72431	\$10,412	\$62,500	
Aug-11	\$225,652	\$2,725,870	\$2,613,044	48	\$56,789	\$624,034	\$860,163	\$1,241,673	\$1,191,732	6.53%	1 72431	\$11,182	\$67,971	
Sep-11	\$217,236	\$2,943,106	\$2,834,488	48	\$61,315	\$685,349	\$923,857	\$1,333,900	\$1,287,787	6.53% 6.53%	1.72431	\$12,083 \$12,954	\$73,398 \$78,932	
Oct-11	\$223,848	\$3,166,954	\$3,055,030	48	\$65,978	\$751,327	\$988,347	\$1,427,280	\$1,380,590	6.53% 6.53%	1.72431 1.72431		\$73,285	
Nov-11	(\$250,636)		\$3,041,636	48	\$60,757	\$812,084	\$861,143	\$1,243,091 \$1,323,057	\$1,335,186 \$1,283,074	6.53%	1.72431	\$12,528 \$12,039	\$75,265	
Dec-11	\$200,118	\$3,116,436	\$3,016,377	48 48	\$64,926 \$70,745	\$877,010 \$947,755	\$916,369 \$1,001,574	\$1,446,433	\$1,384,745	8 53%	1 72431	\$12,993	\$83,738	
Jan-12	\$279,326	\$3,395,762	\$3,256,099		\$75,745 \$76,085	\$1,023,840	\$1,075,197	\$1,553,036	\$1,499,735	6.53%	1,72431	\$14,072	\$90,157	
Feb-12	\$256,311	\$3,652,073	\$3,523,918	48			\$1,075,197	\$1,652,481	\$1,602,759	6.53% 6.53%	1.72431	\$15,039	\$96,320	
Mar-12	\$249,404	\$3,901,477	\$3,776,775	48 48	\$81,281 \$85,426	\$1,105,121 \$1,190,547	\$1,143,878	\$1,719,633	\$1,686,057	6.49%	1.72431	\$15,724	\$101,150	
Apr-12	\$198,955	\$4,100,432		48	\$90,387	\$1,180,347	\$1,250,603	\$1,807,021	\$1,763,327	6.42%	1.72431	\$16,267	\$106,654	
May-12	\$238,126	\$4,338,558	\$4,219,495 \$4,360,544	48	\$91,303	\$1,280,934	\$1,230,803	\$1,779,024	\$1,793,023	6 42%	1 72431	\$16,541	\$107,844	\$1,018,914
Jun-12	\$43,972	\$4,382,530			\$91,488	\$1,463,725	\$1,197,532	\$1,730,173	\$1,754,599	6.42%	1.72431	\$16,186	\$107,674	ψ1,010,017
Jul-12	\$8,900	\$4,391,430 \$4,446,029		48 48	\$92,626	\$1,465,725	\$1,181,998	\$1,707,680	\$1,718,927	6.42%	1 72431	\$15,857	\$107,074	
Aug-12	\$54,599 \$13.800			48	\$92,915	\$1,649,266	\$1,149,716	\$1,660,937	\$1,684,309	6.42%	1.72431	\$15,538	\$108,453	
Sep-12 Oct-12	\$13,890 \$64,306	\$4,459,919 \$4,524,225		48	\$94,255	\$1,743,521	\$1,137,482	\$1,643,222	\$1,652,080	6 42%	1.72431	\$15,241	\$109,496	
Nov-12	\$25,868	\$4,550,093		48	\$94,794	\$1,838,315	\$1,109,326	\$1,602,452	\$1,622,837	6 42%	1.72431	\$14,971	\$109,765	
Dec-12	\$25,666 \$38,951	\$4,589,044		48	\$95,605	\$1,933,920	\$1,086,183	\$1,568,941	\$1,585,697	6 42%	1 72431	\$14,628	\$110,233	\$654,104
D80-12	\$30,83 i	97,008,044	94,403,508	-+0	φουισου	# 1100010ZU	ψ 1,000,100	\$ 1100010-1	4.,500,007	- 12.10		411,020		T 14 1 T 1

Monthly Recoverable Investment Program Expenditures - Amortized Over Four Years

	Program expenditures - Amortized Over Four rears										18/tel Sum					
										Wtd Avg. Cost of		Monthly	Monthly			
	Amortizable		_				Accum	5 (A		Davassia	-	Revenue	YTD ending		
	Expenditures	Cumulative	Average	Amort	Monthly	Accum	Deferred	Earnings /	Average Rate Base	Capital (1) After-tax	Revenue Factor	Return on Rate Base	Requirement	June		
	TK-4	Expenditures	Expenditures	Months	Amortization	Amort	Income Tax h	Rate Base	rate base	k k	į atitur	m= (i) *k*l/12	n=m+f	30116		
<u>a</u>	þ mar a sen	<u>C</u>	<u>d</u>	8	605 640]	g \$2,029,768	<u>n</u> \$1,051,789	\$1,519,140	\$1,544,041	6.42%	! 1 72431	\$14,244	\$110,092			
Jan-13	\$11,653	\$4,600,697	\$4,594,871	48	\$95,846			\$1,485,549	\$1,594,041	6.42%	1 72431	\$13,859	\$110,538			
Feb-13	\$39,889	\$4,640,586	\$4,620,642	48	\$96,679	\$2,126,447 \$2,224,402	\$1,028,590 \$1,013,598	\$1,463,840	\$1,474,695	6.42%	1 72431	\$13,604	\$111,559			
Mar-13	\$61,254	\$4,701,840	\$4,671,213	48	\$97,955		\$1,019,636	\$1,472,582	\$1,468,211	6 42%	1 72431	\$13,544	\$113,898			
Apr-13	\$115,134	\$4,816,974	\$4,759,407	48 48	\$100,354 \$101,045	\$2,324,756 \$2,425,801	\$991,906	\$1,432,430	\$1,452,506	6.42%	1 72431	\$13,399	\$114,444			
May-13	\$33,163	\$4,850,137	\$4,833,556 \$4,867,551	46	\$101,045	\$2,527,571	\$964,560	\$1,392,833	\$1,412,632	6.42%	1 72431	\$13,032	•	\$1,329,437		
Jun-13	\$34,827	\$4,884,964 \$4,923,853	\$4,904,409	48	\$102,580	\$2,630,151	\$938,542	\$1,355,160	\$1,373,997	6.42%	1 72431	\$12,675	\$115,255	+ .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Jul-13	\$38,889 \$35,900	\$4,959,753	\$4,941,803	48	\$103,320	\$2,733,471	\$911,001	\$1,315,281	\$1,335,221	6.42%	1 72431	\$12,317	\$115,637			
Aug-13	\$19,751	\$4,979,504	\$4,969,629	48	\$102,511	\$2,835,982	\$877,194	\$1,266,328	\$1,290,805	5,68%	1 71565	\$10,482	\$112,993			
Sep-13 Oct-13	\$23,954	\$5,003,458	\$4,991,481	48	\$92,521	\$2,928,503	\$849,184	\$1,225,771	\$1,246,050	5.68%	1.71565	\$10,119	\$102,640			
Nov-13	\$35,053	\$5,038,511	\$5,020,985	48	\$93,061	\$3,021,564	\$825,488	\$1,191,459	\$1,208,615	5,68%	1.71565	\$9,815	\$102,876			
Dec-13	\$13,937	\$5,052,448	\$5,045,480	48	593,213	\$3,114,777	\$793,104	\$1,144,567	\$1,168,013	5.68%	1 71565	\$9,485	\$102,698			
Jan-14	\$45,466	\$5,097,914	\$5,075,181	48	\$93,540	\$3,208,317	\$773,465	\$1,116,132	\$1,130,350	5 68%	1 71565	\$9,179	\$102,719			
Feb-14	\$37,678	\$5,135,592	\$5,116,753	48	\$93,862	\$3,302,179	\$750,514	\$1,082,899	\$1,099,516	5 68%	1 71565	\$8,929	\$102,791			
Mar-14	\$1,330	\$5,136,922	\$5,136,257	48	\$92,491	\$3,394,670	\$713,275	\$1,028,977	\$1,055,938	5.68%	1.71565	\$8,575	\$101,066			
Apr-14	\$56,891	\$5,193,813	\$5,165,368	48	\$93,153	\$3,487,823	\$698,462	\$1,007,528	\$1,018,253	5 66%	1.71565	\$8,269	\$101,422			
May-14	\$41,786	\$5,235,599	\$5,214,706	48	\$93,075	\$3,580,898	\$677,510	\$9 77,19 1	\$992,360	5.68%	1 71565	\$8,059	\$101,134			
Jun-14	\$39,235	\$5,274,834	\$5,255,217	48	\$93,121	\$3,674,019	\$655,498	\$945,317	\$961,254	5.68%	1.71565	\$7,806	\$100,927	\$1,262,158		
Jul-14	\$76,468	\$5,351,302	\$5,313,068	48	\$93;335	\$3,767,354	\$648,607	\$935,341	\$940,329	5 68%	1 71565	\$7,636	\$100,971			
Aug-14	\$76,468	\$5,427,770	\$5,389,536	48	\$94,130	\$3,861,484	\$641,392	\$924,894	\$930,118	5.68%	1.71565	\$7,553	\$101,683			
Sep-14	\$76,468	\$5,504,238	\$5,466,004	48	\$93,591	\$3,955,075	\$634,397	\$914,766	\$919,830	5.68%	1.71565	\$7,470	\$101,061			
Oct-14	\$76,668	\$5,580,906	\$5,542,572	48	\$92,783	\$4,047,858	\$627,814	\$905,234	\$910,000	5.68%	1.71565	\$7,390	\$100,173			
Nov-14	\$76,468	\$5,657,374	\$5,619,140	48	\$91,040	\$4,138,898	\$621,862	\$896,614	\$900,924	5,68%	1.71565	\$7,316	\$98,356			
Dec-14	\$76,468	\$5,733,842	\$5,695,608	48	\$90,111	\$4,229,009	\$616,289	\$888,544	\$892,579	5.68%	1 71565	\$7,248	\$97,359			
Jan-15	\$76,468	\$5,810,310	\$5,772,076	48	\$85,104	\$4,314,113	\$612,761	\$883,436	\$885,990	5 68%	1 71565	\$7,195	\$92,299			
Feb-15	\$76,468	\$5,886,778	\$5,848,544	48	\$85,250	\$4,399,363	\$609,173	\$878,242	\$880,839	5.68%	1 71565	\$7.153	\$92,403			
Mar-15	\$76,468	\$5,963,246	\$5,925,012	48	\$83,812	\$4,483,175	\$606,173	\$873,898	\$876,070	5 68%	1 71565	\$7,114	\$90,926			
Apr-15	\$76,668	\$6,039,914	\$6,001,580	48	\$82,831	\$4,566,006	\$603,655	\$870,253	\$872,076	5.68%	1 71565	\$7,082 \$7,056	\$89,913 \$87,693			
May-15	\$75,965	\$6,115,879	\$6,077,897	48	\$80,637	\$4,646,643	\$601,747	\$867,489	\$868,871	5.68% 5.68%	1.71565	\$7,036	\$87,308	\$1,140,145		
Jun-15	\$76,585	\$6,192,464	\$6,154,172	48	\$80,272	\$4,726,915	\$600,241	\$865,308	\$866,399	5.66%	1 71565 1 71565	\$7,036 \$7,022	\$85,539	\$1,140,140		
Jul-15	\$76,585	\$6,269,049	\$6,230,757	48	\$78,517	\$4,805,432	\$599,451	\$864,166	\$864,737 \$864,513	5.68%	1.71565	\$7,022	\$82,432			
Aug-15	\$76,585	\$6,345,634	\$6,307,342	48	\$75,412	\$4,880,844	\$599,931	\$864,859		5.68%	1.71565	\$6,853	\$77,739			
Sep-15	\$0	\$6,345,634	\$6,345,634	48	\$70,886	\$4,951,730	\$570,974	\$822,930 \$783,759	\$843,895 \$803,345	5 68%	1.71565	\$6,524	\$72,747			
Oct-15	\$0	\$6,345,634	\$6,345,634	48	\$66,223	\$5,017,953	\$543,922	\$741,500	\$762,630	5.68%	1 71565	\$6,193	\$77,637			
Nov-15	\$0	\$5,345,634	\$6,345,634	48	\$71,444	\$5,089,397 \$5,156,672	\$514,737 \$487,255	\$701,707	\$721,604	5,68%	1 71565	\$5,860	\$73,135			
Dec-15	\$0	\$6,345,634 \$6,345,634	\$6,345,634 \$6,345,634	48 48	\$67,275 \$61,456	\$5,155,672	\$462,151	\$665,355	-\$683,531	5.68%	1 71565	\$5,566 \$5,551	\$67,007			
Jan-16	\$0 \$0		\$6,345,634 \$6,345,634	48 48	\$58,116	\$5,274,244	\$439,227	\$632,163	\$648,759	5 68%	1 71565	\$5,268	\$61,384			
Feb-16 Mar-16	\$0 \$0	\$6,345,634 \$6,345,634	\$6,345,634	48	\$50,920	\$5,325,164	\$418,426	\$602,044	\$617,104	5.68%	1 71565	\$5,011	\$55,931			
Apr-16	\$υ \$0	\$6,345,634	\$6,345,634	48	\$46,775	\$5,323,104	\$399,319	\$574,376	\$588,210	5.68%	1.71565	\$4,777	\$51,552			
May-16	\$0 \$0	\$6,345,634	\$6,345,634	48	\$41,814	\$5,413,753	\$382,238	\$549,643	\$562,010	5.68%	1.71565	\$4,564	\$46,378			
Jun-16	\$0 \$0	\$6,345,634	\$6,345,634	48	\$40,898	\$5,454,651	\$365,531	\$525,452	\$537,548	5 68%	1 71565	54,365	\$45,263	\$796,744		
20H-10	φu	Qu ₁ 040,004	40,030,004	10	ψ.τ υ, ισσυ	Anti-Anti-Anti-	- 300,00 I					, ,		•		

Monthly Recoverable Investment Program Expenditures - Amortized Over Four Years

	Program Experiences - Amortized Over Four Tears													
							•			Wid Avg.		Monthly	A Bornelinke	
	Amortizable				did color	A	Accum	Causiana (Augman	Cost of	Davana	Monthly	Monthly	YTO ending
	Expenditures	Cumulative	Average	Amort	Monthly	Accum	Deferred	Earnings /	Average Rate Base	Capital (1) After-tax	Revenue Factor	Return on Rate Base	Revenue Requirement	June
	TK-4	Expenditures	Expenditures	Months	Amortization	Amort	Income Tax	Rate Base			racioi L	m= (j) *k*//12	n=m+f	Julie
<u>a</u>	<u>b</u>	<u>C</u>	₫	€	<u>f</u>	g #5 405 204	<u>h</u>	<u>=0-q-h</u>	<u>!</u> EE10 A11	<u>k</u> 5 6 8%	1 71565	\$4,169	\$44,882	
Jul-16	\$0	\$6,345,634	\$6,345,634	48	\$40,713	\$5,495,364	\$348,900 \$332,733	\$501,370 \$477,962	\$513,411 \$489,666	5.68%	1.71565	\$3,976	\$43,551	
Aug-16	\$0	\$6,345,634	\$6,345,634	48	\$39,575	\$5,534,939	\$332,733 \$316,685	\$477,902 \$454,724	\$465,343	5.68%	1.71565	\$3,976 \$3,787	\$43,073	
Sep-16	\$0	\$6,345,634	\$6,345,634	48	\$39,286	\$5,574,225	\$310,000	\$432,279	\$443,502	5.68%	1.71565	\$3,602	\$45.073	
Oct-16	\$0	\$6,345,634	\$6,345,634	48 48	\$37,946 \$37,407	\$5,612,171 \$5,649,578	\$285,903	\$410,153	\$421,216	5.68%	1.71565	\$3,421	\$40,828	
Nov-16	\$0	\$6,345,634 \$6,345,634	\$6,345,634 \$6,345,634	48	\$36,596	\$5,686,174	\$270,954	\$388,506	\$399,330	5.66%	1 71565	\$3,243	\$39,839	
Dec-16	\$0		\$6,345,634	48	\$36,353	\$5,000,174	\$256,104	\$367,003	\$377,755	5.68%	1 71565	\$3,068	\$39,421	
Jan-17	\$0	\$6,345,634 \$6,345,634	\$6,345,634	48	\$35,522	\$5,722,027	\$241,593	\$345,992	\$356,498	5.68%	1 71565	\$2,895	\$38,417	
Feb-17	\$0 \$0	\$6,345,634	\$6,345,634	40 48	\$34,246	\$5,792,295	\$227,604	\$345,59 <u>2</u> \$325,735	\$335,864	5.68%	1 71565	\$2,727	\$36,973	
Mar-17 Apr-17	\$0 \$0	\$6,345,634	\$6,345,634 \$6,345,634	48	\$34,248 \$31,847	\$5,824,142	\$214,594	\$306,898	\$316,317	5 68%	1.71565	\$2,569	\$34,416	
	\$0 \$0	\$6,345,634 \$6,345,634	\$6,345,634	48	\$31,156	\$5,855,298	\$201,867	\$288,469	\$297,684	5.68%	1.71565	\$2,417	\$33,573	
May-17	\$0 \$0	\$6,345,634	\$6,345,634 \$6,345,634	48	\$30,431	\$5,885,729	\$189,436	\$270,469	\$279,469	5.68%	1.71565	\$2,269	\$32,700	\$469,221
Jun-17 Jul-17	\$0 \$0	\$6,345,634	\$6,345,634	48	\$29,620	\$5,915,349	\$177,336	\$252,949	\$261,709	5 68%	1,71565	\$2,125	\$31,745	Ψ·150,222.1
Aug-17	\$0	\$6,345,634	\$6,345,634	48	\$28,872	\$5,944,221	\$165,542	\$235,871	\$244,410	5.68%	1.71565	\$1,985	\$30,857	
-	\$0 \$0	\$6,345,634	\$6,345,634	48	\$28,461	\$5,972,682	\$153,916	\$219,036	\$227,454	5.68%	1.71565	\$1,847	\$30,308	
Sep-17 Oct-17	\$0	\$6,345,634	\$6,345,634	48	\$27,962	\$6,000,644	\$142,493	\$202,497	\$210,767	5.68%	1.71565	\$1,712	\$29,674	
	30 30	\$6,345,634	\$6,345,634	48	\$27,232	\$6,027,876	\$131,369	\$186,389	\$194,443	5.68%	1 71565	\$1,579	\$28,811	
Nov-17		\$6,345,634	\$6,345,634	48	\$26,941	\$6,054,817	\$120,363	\$170,454	\$178,422	5.68%	1.71565	\$1,449	\$28,390	
Dec-17	\$0 \$0	\$6,345,634	\$6,345,634	48	\$25,994	\$6,080,811	\$109,745	\$155,078	\$162,766	5.68%	1 71565	\$1,322	\$27,316	
Jan-18 Feb-18	\$0 \$0	\$6,345,634	\$6,345,634	48	\$25,209	\$6,000,011	\$99,447	\$140,167	\$147,623	5 68%	1.71565	\$1,199	\$26,408	
Mar-18	\$0	\$6,345,634	\$6,345,634	48	\$25,209	\$6,131,201	\$89,160	\$125,273	\$132,720	5 68%	1.71565	\$1,078	\$26,259	
	\$0 \$0	\$6,345,634	\$6,345,634	48	\$23,996	\$6,155,197	\$79,358	\$111,079	\$118,176	5 68%	1 71565	\$960	\$24,956	
Apr-18 May-18	\$0 \$0	\$6,345,634	\$6,345,634	48	\$23,126	\$6,178,323	\$69,911	\$97,400	\$104,240	5 68%	1.71565	\$847	\$23,973	
Jun-18	\$0 \$0	\$6,345,634	\$6,345,634	48	\$22,308	\$6,200,631	\$60,798	\$84,205	\$90,803	5.68%	1 71565	\$737	\$23,045	\$331,742
ปน⊩18	\$0	\$6,345,634	\$6,345,634	48	\$20,715	\$6,221,346	\$52,336	\$71,952	\$78,079	5.68%	1 71565	\$634	\$21,349	*****
Aug-18	\$0 \$0	\$6,345,634	\$6,345,634	48	\$19,122	\$6,240,468	\$44,524	\$60,642	\$66,297	5.68%	1,71565	\$538	\$19,660	
Sep-18	\$0 \$0	\$6,345,634	\$6,345,634	48	\$17,529	\$6,257,997	\$37,364	\$50,273	\$55,458	5.68%	1 71565	\$450	\$17,979	
Oct-18	\$0	\$6,345,634	\$6,345,634	48	\$15,932	\$6,273,929	\$30,856	\$40,849	\$45,561	5 68%	1.71565	\$370	\$16,302	
Nov-18	\$0	\$6,345,634	\$6,345,634	48	\$14,339	\$6,288,268	\$24,998	\$32,368	\$36,609	5.68%	1.71565	\$297	\$14,636	
Dec-18	\$0	\$6,345,634	\$6,345,634	48	\$12,746	\$6,301,014	\$19,792	\$24,828	\$28,598	5.68%	1 71565	\$232	\$12,978	
Jan-19	\$0	\$6,345,634	\$6,345,634	48	\$11,153	\$6,312,167	\$15,236	\$18,231	\$21,530	5 68%	1.71565	\$175	\$11,328	
Feb-19	\$0	\$6,345,634	\$6,345,634	48	\$9,559	\$6,321,726	\$11,331	\$12,577	\$15,404	5.68%	1.71565	\$125	\$9,684	
Mar-19	30 30	\$6,345,634	\$6,345,634	48	\$7,966	\$6,329,692	\$8,077	\$7,865	\$10,221	5.68%	1,71565	\$83	\$8,049	
Мак-19 Арк-19	\$0	\$6,345,634		48	\$6,369	\$6,336,061	\$5,475	\$4,098	\$5,982	5.68%	1 71565	\$49	\$6,418	
May-19	\$0	\$6,345,634	\$6,345,634	48	\$4,787	\$6,340,848	\$3,519	\$1,267	\$2,683	5.68%	1.71565	522	\$4,809	
Jun-19	\$0	\$6,345,634	•	48	\$3,191	\$6,344,039	\$2,216	(\$621)	\$323	5 68%	1.71565	\$3		\$146,386
Jul-19	\$0	\$6,345,634	\$6,345,634	48	\$1,596	\$6,345,635	\$1,564	(\$1,565)	(\$1,093)	5.68%	1.71565	(\$9)		
Aug-19	\$D	\$6,345,634	\$6,345,634	48	\$1,580	\$6,345,635	\$1,564	(\$1,565)	(\$1,565)	5.68%	1.71565	(\$13)		
Sep-19	\$0 \$0	\$6,345,634	•	48	50 50	\$6,345,635	\$1,564	(\$1,565)	(\$1,565)			\$0	\$0	\$1,574
agh-1a	a v	40,540,054	40,040,004	70	90	#4*0-40*010	31,004	(\$1,500)	(4.,500)			**	,40	T 14T1 1

Schedule of Expenditures

Ending September 2015

	O&M Recover	able in Period	Expended			Program Expe	enditures - Amort	zed Over Four	Years
		Customer	Dashboard	EEP Program	Total	Customer	Program	Program	
	Labor (1)	Education	ΙŢ	Evaluation	O&M	Financing	Expenditures	Total	Total
Aug-09	\$8,706	\$0	\$0	\$0	\$8,706	\$0	\$415	\$415	\$9,121
Sep-09	\$8,706	\$753	\$3,838	\$0	\$13,297	\$0	\$58,552	\$58,552	\$71,849
Oct-09	\$8,706	\$3,379	\$28,484	\$0	\$40,569	\$500,000	\$3,469	\$503,469	\$544,038
Nov-09	\$8,706	\$0	\$18,898	\$0	\$27,604	SO	\$9,154	\$9,154	\$36,758
Dec-09	\$8,704	30	\$53,800	\$0	\$62,504	\$0	\$6,648	\$5,648	\$69,152
Jan-10	\$8,310	\$128,746	\$0	\$0	\$137,056	sa	\$29,746	\$29,746	\$168,802
Feb-10	\$9,893	\$13,557	\$24,567	\$0	\$48,017	80	\$22,212	\$22,212	\$70,229
Mar-10	\$8,976	\$24,431	\$13,869	\$0	\$47,275	50	\$67,165	\$67,165	\$114,441
Apr-10	\$9.098	\$7,534	\$43,701	\$0	\$60,333	\$0	\$25,100	\$25,100	\$85,433
May-10	\$15,081	\$8,790	\$30,530	\$0	\$54,401	\$0	\$45,518	\$45,518	\$99,919
Jun-10	\$4,578	\$17,798	80	\$0	\$22,376	\$0	\$37,061	\$37,061	\$59,437
anam m		0001000	6047.007	\$0	\$522,139	\$500,000	\$305,040	\$805,040	\$1,327,179
2010 Recovery Year	\$99,464	\$204,988	\$217,687		9022,103	3300,000	\$505,040	9003,040	01,027,170
1.140	000 000	# 04.400	**	en	\$56,880	\$0	\$66,161	\$66,161	\$123,041
Jul-10	\$22,688	\$34,192	\$0 515.766	\$0 \$0	\$130,408	\$0 \$0	\$38,308	\$38,308	\$168,716
Aug-10	\$19,620	\$95,522	\$15,266 \$0	\$0 \$0	\$80,078	\$0	\$102,354	\$102,354	\$182,432
Sep-10	\$18,822	\$61,256	\$0 \$0	\$0 \$0	\$88,429	\$0 \$0	\$102,004	\$115,476	\$203,905
Oct-10	\$24,909	\$63,520		\$0 \$0	\$122,538	\$0 \$0	\$160,103	\$160,103	\$282,641
Nov-10	\$55,022	\$52,250	\$15,266 \$0	\$0 \$0	\$175,175	\$0	5121,085	\$121,085	\$296,260
Dec-10	\$33,565	\$141,610	\$0 \$0	\$0 \$0	\$27,045	\$0	5316,793	\$316,793	\$343,838
Jan-11	\$15,819 \$46,266	\$11,226 \$32,394	\$0 \$0	\$0 \$0	\$78,660	\$0	\$69,466	\$69,466	\$148,126
Feb-11 Mar-11	\$44,760	\$23,659	\$0	\$0 \$0	\$68,419	\$0	\$145,466	\$145,466	\$213,885
Apr-11	\$64,770	\$82,449	\$15,26 5	\$0	\$162,484	\$0	\$123,753	\$123,753	\$286,237
•	\$57,241	\$78,271	\$15.265	\$0	\$150,777	\$0	\$181,299	\$181,299	\$332,076
May-11 Jun-11	\$48,503	\$125,426	\$0	\$0	\$173,929	\$0	\$94,109	\$94,109	\$268,038
duti- t i					***************************************		21.521.572	24 554 070	60.040.406
2011 Recovery Year	\$451,985	\$801,775	\$61,062	\$0_	51,314,822	\$0	\$1,534,373	\$1,534,373	\$2,849,195
Jul-11	\$63,669	\$102,278	\$16,029	\$0	\$181,976	\$0	\$160,805	\$160,805	\$342.781
Aug-11	\$88,724	\$12,029	\$0	\$0	\$100,753	\$0	\$225,652	\$225,652	\$326,405
Sep-11	855,006	\$10,757	SO	\$0	\$65,763	\$0	\$217,236	\$217,236	\$282,999
Oct-11	\$74.352	\$108,828	\$0	\$0	\$183,180	\$0	\$223,848	\$223,848	\$407,028
Nov-11	\$48,527	\$95,540	\$16,029	\$0	\$160,096	(500,000)	\$249,364	(\$250,636)	(\$90,540)
Dec-11	592,113	\$138,905	\$0	\$0	\$231,018	\$0	\$200,118	\$200,118	\$431,136
Jan-12	\$82,116	\$16,194	\$0	50	\$98,310	\$0	\$279,326	\$279,326	\$377,636
Feb-12	\$112,162	\$72,115	\$0	\$0	\$184,277	\$0	\$256,311	\$256,311	\$440,588
Mar-12	\$75,712	\$105,726	\$0	\$0	\$181,438	50	\$249.404	\$249,404	\$430,842
Apr-12	\$73,527	\$20,630	\$0	50	\$94,157	\$0	\$198,955	\$198,955	\$293,112 \$331,321
May-12	\$92,097	\$1,098	\$0	\$0	\$93,195	\$0 \$0	\$238,126 \$43,972	\$238,126 \$43,972	\$70,966
Jun-12	\$26,919	\$75	\$0	\$O	\$26,994	40	\$45,512	ψ43,31Z	ψ, υ, αυυ
2012 Recovery Year	\$884,924	\$684,175	\$32,058	\$0	\$1,601,157	(\$500,000)	\$2.543,117	\$2,043,117	\$3,644,274
Jul-12	\$17,213	\$8,660	\$0	\$0	\$25,873	\$0	\$8,900	\$8,900	\$34,773
Aug-12	\$14,622	\$3,023	\$0	\$0	\$17,645	\$0	\$5 4, 59 9	\$54,599	\$72,244
Sep-12	\$8,787	\$8,829	\$0	\$0	\$17,616	\$0	\$13,890	\$13,890	\$31,506
Oct-12	\$10,052	\$18,077	\$0	\$0	\$28,129	\$0	\$64,306	\$64,306	\$92,435
Nov-12	\$8,920	\$15,449	\$0	\$0	\$24,369	\$0	\$25,868	\$25,868	\$50,237
Dec-12	\$9,837	\$18,231	\$33,900	\$0	\$61,968	\$0	\$38,951	\$38,951	\$100,919
Jan-13	\$9,696	\$190	\$0	\$0	\$9,886	\$0	\$11,653	\$11,653	\$21,539
Feb-13	\$9,141	\$23,087	\$13,500	\$0	\$45,728	\$0	\$39,889	\$39,889	\$85,617
Mar-13	\$9,208	\$11,017	so	\$0	\$20,225	\$0	\$61,254	\$61,254	\$81,479
Apr-13	\$9,497	\$16,289	\$27,000	\$0	\$52,786	50	\$115,134	\$115,134	\$167,920
May-13	\$10,229	\$10,667	\$0	\$D	\$20,896	\$0 \$0	\$33,163	\$33,163	\$54,059 \$57,750
Jun-13	\$8,911	\$521	\$13,500	\$0	\$22,932	\$0	\$34,827	\$34,827	\$57,759
2013 Recovery Year	\$126,113	\$134,040	\$87,900	\$0	\$348,053	50	\$502,434	\$502,434	\$850,487

Schedule of Expenditures

Ending September 2015

Late Cluster Late Cluster Late Cluster Clu		O&M Recover	able in Period	Expended			Program Expe	enditures - Amorti	ized Over Four	Years
Jul-13					EEP Program	Total				
Aug. 1-9		Labor (1)	Education	<u>IT</u>	Evaluation	<u>0&M</u>	Financing	Expenditures		Total
Aug. 1-9	h.13	\$10.348	S9 567	50	80	S19 915	50	\$38 889	\$38 889	\$58.804
Sep-13 \$84.484 \$2.066 \$13.500 \$0 \$25.066 \$0 \$13.751 \$10.751 \$44.83.000 \$10.151 \$10.253 \$13.501 \$30.844 \$34.666 \$13.000 \$10.500 \$10.751 \$10.751 \$34.83.000 \$10.151 \$10.151 \$10.455 \$10.751										•
Oct-13 \$10,353 \$1,701 \$0 \$0 \$12,054 \$0 \$22,864 \$35,053 \$35,053 \$35,053 \$35,053 \$35,053 \$35,053 \$36,063 \$36,063 \$36,063 \$36,063 \$36,063 \$36,063 \$36,063 \$36,063 \$46,647 \$46,647 \$46,647 \$37,078 \$30,063 \$36,776 \$0 \$31,337 \$31,337 \$44,647 \$46,647	•			•						
Nov-13	•									
Dec-13 \$9.919 \$22.791 \$0 \$0 \$0.832.710 \$0 \$13,837 \$13,937 \$46,947 \$79.269 \$0 \$0 \$50,884.716 \$0 \$35,678 \$45,468 \$45,468 \$132,162 \$45,444 \$10,447 \$79.269 \$0 \$0 \$40,011 \$0 \$37,678 \$37,678 \$38,689 \$132,162 \$46,447 \$70.269 \$10,441 \$10,220 \$46,837 \$0 \$0 \$34,071 \$0 \$37,678 \$37,678 \$58,689 \$132,162 \$46,447 \$10,208 \$34,853 \$0 \$13,300 \$13,300 \$85,679 \$40,414 \$10,208 \$34,853 \$0 \$0 \$34,412 \$0 \$34,212 \$0 \$36,891 \$45,869 \$133,023 \$46,447 \$10,208 \$34,853 \$0 \$34,746 \$34,241 \$10,408 \$32,629 \$16,478 \$0 \$0 \$36,891 \$36,8										
Jan-14 \$10,447 \$79,269 \$0 \$0 \$0 \$89,716 \$0 \$43,666 \$43,666 \$132,662 \$132,662 \$134,665 \$134,665 \$134,66								•		
Fight 14 \$9.050 \$39.951 \$0 \$0 \$49.011 \$0 \$37.678 \$37.678 \$58.678 \$58.689 \$13.05 \$49.011 \$0 \$37.678 \$37.678 \$38.678 \$58.689 \$13.05 \$49.011 \$12.007 \$42.125 \$27.000 \$0 \$81.132 \$0 \$56.899 \$56.891 \$133.025 \$49.114 \$10.206 \$3.865 \$0 \$0 \$3.875 \$0 \$41.766 \$55.645 \$41.766 \$41.76										-
Mar-14										
Apri-14 \$12,007 \$42,125 \$27,000 \$0 \$81,132 \$0 \$56,891 \$133,023 \$189,174 \$10,206 \$3,683 \$0 \$0 \$138,899 \$0 \$41,786 \$41,786 \$35,645 \$11,174 \$10,206 \$3,683 \$0 \$0 \$138,899 \$0 \$34,786 \$41,786 \$35,645 \$11,174 \$10,485 \$27,800 \$16,478 \$0 \$0 \$0 \$26,238 \$0 \$336,235 \$39,235 \$35,235 \$55,473 \$10,114 \$10,485 \$26,250 \$13,500 \$0 \$462,392 \$0 \$386,870 \$389,870 \$										
May-1-4										
Jun-14	•									
2014 Recovery Year	-	•								
Mu-14			- 1 - 7 - 1 - 1							
Aug-14 \$10.485 \$28.250 \$0 \$0 \$36,735 \$0 \$76,468 \$113,203 Sep-14 \$10.485 \$28.250 \$0 \$36,735 \$0 \$76,468 \$113,203 Oct-14 \$10.485 \$28.250 \$13,500 \$0 \$56,735 \$0 \$76,688 \$76,468 \$113,203 Nov-14 \$10.485 \$28.250 \$0 \$0 \$36,735 \$0 \$76,488 \$76,468 \$113,203 Jan-15 \$10.485 \$28.250 \$0 \$0 \$36,735 \$0 \$76,468 \$113,203 Jan-15 \$10.485 \$28.250 \$0 \$0 \$36,735 \$0 \$76,468 \$113,203 Jan-15 \$10.485 \$28.250 \$0 \$0 \$36,735 \$0 \$76,468 \$113,203 Jan-15 \$10.485 \$28.250 \$0 \$0 \$36,735 \$0 \$76,468 \$113,203 Jan-15 \$10.485 \$28.250 \$0 \$0 \$36,735 \$0 <	2014 Recovery Year	\$119,181	\$302,681	\$40,500	\$0	\$462,362	\$0	\$389,870	\$389,870	\$852,232
Mug-14	h.1.14.4 *	640 ABE	ene nen	¢13 500	næ	\$50.235	\$0	\$76 46R	\$76 468	\$126 703
Sep-14 \$10,485 \$28,280 \$0 \$0 \$38,735 \$0 \$76,468 \$76,468 \$113,203 \$100,144 \$10,485 \$26,285 \$513,500 \$0 \$50,235 \$0 \$76,585 \$76,468 \$76,468 \$713,203 \$100,144 \$10,485 \$28,280 \$50 \$50 \$33,735 \$50 \$76,468 \$76,468 \$113,203 \$100,144 \$10,485 \$28,280 \$50 \$50 \$336,735 \$50 \$76,468 \$76,468 \$113,203 \$100,145 \$10,485 \$28,280 \$50 \$50 \$36,735 \$50 \$76,468 \$76,468 \$113,203 \$100,145 \$10,465 \$28,280 \$50 \$50,387,35 \$50 \$76,468 \$76,468 \$113,203 \$100,145 \$10,465 \$26,280 \$50 \$50,387,35 \$50 \$76,468 \$76,468 \$113,203 \$130,175 \$10,465 \$26,280 \$50 \$50,387,35 \$50 \$76,468 \$76,468 \$113,203 \$40,175 \$10,465 \$28,280 \$50 \$50,387,35 \$50 \$76,688 \$76,688 \$113,203 \$40,175 \$10,465 \$28,280 \$50 \$50 \$50,373 \$50 \$76,688 \$76,688 \$113,203 \$40,175 \$10,465 \$28,280 \$50 \$50 \$50,373 \$50 \$76,685 \$76,685 \$712,700 \$40,175 \$10,465 \$28,280 \$50 \$50 \$36,735 \$50 \$76,685 \$76,685 \$112,700 \$40,175 \$10,465 \$26,250 \$50 \$50 \$36,735 \$50 \$76,685 \$76,685 \$112,700 \$40,175 \$10,465 \$26,250 \$50 \$50 \$36,735 \$50 \$76,685 \$76,685 \$112,700 \$40,175 \$10,465 \$26,250 \$50 \$50 \$36,735 \$50 \$76,685 \$76,685 \$112,520 \$112,700 \$100,175										
Oct-14 \$10,485 \$26,250 \$13,500 \$0 \$50,235 \$0 \$76,688 \$76,688 \$112,6903 Nov-14 \$10,485 \$36,250 \$0 \$0 \$36,735 \$0 \$76,468 \$76,468 \$113,203 Dec-14 \$10,485 \$28,250 \$0 \$0 \$36,735 \$0 \$76,468 \$76,468 \$113,203 Jan-15 \$10,485 \$28,250 \$13,500 \$20,000 \$70,235 \$0 \$76,468 \$76,468 \$113,203 Mar-15 \$10,485 \$28,250 \$0 \$0 \$36,735 \$0 \$76,468 \$76,468 \$113,203 Mar-15 \$10,465 \$28,250 \$13,500 \$20,000 \$70,235 \$0 \$76,688 \$76,688 \$112,500 May-15 \$10,465 \$28,250 \$0 \$0 \$30,735 \$0 \$76,688 \$76,688 \$112,500 Jul-15 \$10,465 \$28,250 \$13,500 \$0 \$53,735 \$0 \$76,685 \$76,685 \$112,	-									
Nov-14	•					•				
Dec-14										
Jun										
Feb-15										
Mar-15										\$113,203
Apr-15									\$76,468	
May-15						\$70,235	\$0		\$76,668	\$145,903
Jun-15	1			•			80	\$75,965	\$75,965	\$112,700
Jul-15					so	\$36,735	\$0	\$76,585	\$76,585	\$113,320
Aug-15	2015 Recovery Year	\$125,820	\$315,000	\$54,000	\$40,000	\$534.820	\$0	\$917,630	\$917,630	\$1,452,450
Aug-15									m=a = ===	0400 000
Sep-15	Jul-15 *									
Sep-16 Sep-16 Sep-16 Sep-17 Sep-16 Sep-17 Sep-16 Sep-17 S	Aug-15 *	\$10,485	\$26,250	\$0	\$0		\$0	\$76,585		
Nov-15	•									
Dec-15										•
Jan-16										
Feb-16										
Mar-16										
Apr-16										
May-16										
Sun-16 Sun-17 S										
Second S	•									
Jul-16 \$0 \$0 \$0 Aug-16 \$0 \$0 \$0 Sep-16 \$0 \$0 \$0 Oct-16 \$0 \$0 \$0 Nov-16 \$0 \$0 \$0 Dec-16 \$0 \$0 \$0 Jan-17 \$0 \$0 \$0 Feb-17 \$0 \$0 \$0 Mar-17 \$0 \$0 \$0 Apr-17 \$0 \$0 \$0 May-17 \$0 \$0 \$0 Jun-17 \$0 \$0 \$0 Jun-17 \$0 \$0 \$0 So \$0 \$0 \$0 So \$0 \$0 <t< td=""><td>V2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>A475 470</td><td>BO 10 4 40</td></t<>	V2								A475 470	BO 10 4 40
Aug-16 * \$0 \$0 \$0 Sep-16 * \$0 \$0 \$0 Oct-16 * \$0 \$0 \$0 Nov-16 * \$0 \$0 \$0 Dec-16 * \$0 \$0 \$0 Jan-17 * \$0 \$0 \$0 Feb-17 * \$0 \$0 \$0 Mar-17 * \$0 \$0 \$0 Apr-17 * \$0 \$0 \$0 May-17 * \$0 \$0 \$0 Jun-17 * \$0 \$0 \$0 So \$0 \$0 \$0 So \$0 \$0 <tr< td=""><td>2016 Recovery Year</td><td>\$20,970</td><td>\$52,500</td><td>\$13,500</td><td>50</td><td>\$86,970</td><td>50</td><td>\$153,170</td><td>\$153,170</td><td>\$240,140</td></tr<>	2016 Recovery Year	\$20,970	\$52,500	\$13,500	50	\$86,970	50	\$153,170	\$153,170	\$240,140
Aug-16 * \$0 \$0 \$0 Sep-16 * \$0 \$0 \$0 Oct-16 * \$0 \$0 \$0 Nov-16 * \$0 \$0 \$0 Dec-16 * \$0 \$0 \$0 Jan-17 * \$0 \$0 \$0 Feb-17 * \$0 \$0 \$0 Mar-17 * \$0 \$0 \$0 Apr-17 * \$0 \$0 \$0 May-17 * \$0 \$0 \$0 Jun-17 * \$0 \$0 \$0 So \$0 \$0 \$0 So \$0 \$0 <tr< td=""><td>.lul-16 *</td><td></td><td></td><td></td><td></td><td>\$0</td><td></td><td></td><td>\$0</td><td>\$0</td></tr<>	.lul-16 *					\$0			\$0	\$0
Sep-16 * \$0 \$0 \$0 Oct-16 * \$0 \$0 \$0 Nov-16 * \$0 \$0 \$0 Dec-16 * \$0 \$0 \$0 Jan-17 * \$0 \$0 \$0 Feb-17 * \$0 \$0 \$0 Mar-17 * \$0 \$0 \$0 Apr-17 * \$0 \$0 \$0 May-17 * \$0 \$0 \$0 Jun-17 * \$0 \$0 \$0 So \$0 \$0 \$0 Nay-17 * \$0 \$0 \$0 So \$0 \$0 \$0 \$0 So \$0 \$0 \$0 \$0 So \$0 \$0 \$0 \$0 May-17 * \$0 \$0 \$0 So \$0 \$0 \$0 \$0 So \$0 \$0 \$0 \$0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$0</td> <td>\$0</td>									\$0	\$0
Oct-16 * \$0 \$0 \$0 Nov-16 * \$0 \$0 \$0 Dec-16 * \$0 \$0 \$0 Jan-17 * \$0 \$0 \$0 Feb-17 * \$0 \$0 \$0 Mar-17 * \$0 \$0 \$0 Apr-17 * \$0 \$0 \$0 May-17 * \$0 \$0 \$0 Jun-17 * \$0 \$0 \$0 So \$0 \$0 \$0 So \$0 \$0 \$0 So \$0 \$0 \$0 So \$0 \$0 So \$0 \$0									\$0	\$0
Nov-16 * \$0 \$0 \$0 Dec-16 * \$0 \$0 \$0 Jan-17 * \$0 \$0 \$0 Feb-17 * \$0 \$0 \$0 Mar-17 * \$0 \$0 \$0 Apr-17 * \$0 \$0 \$0 May-17 * \$0 \$0 \$0 Jun-17 * \$0 \$0 \$0 So \$0 \$0 \$0 So \$0 \$0 So \$0 \$0									\$0	\$0
Dec-16 * \$0 \$0 \$0 Jan-17 * \$0 \$0 \$0 Feb-17 * \$0 \$0 \$0 Mar-17 * \$0 \$0 \$0 Apr-17 * \$0 \$0 \$0 May-17 * \$0 \$0 \$0 Jun-17 * \$0 \$0 \$0									\$0	\$0
Jan-17 \$0 \$0 \$0 Feb-17 \$0 \$0 \$0 Mar-17 \$0 \$0 \$0 Apr-17 \$0 \$0 \$0 May-17 \$0 \$0 \$0 Jun-17 \$0 \$0 \$0 S0 \$0 \$0						\$0			\$0	\$0
Feb-17						\$0				
Mar-17 \$0 \$0 \$0 Apr-17 \$0 \$0 \$0 May-17 \$0 \$0 \$0 Jun-17 \$0 \$0 \$0						\$0			\$0	
Apr-17 \$0 \$0 \$0 May-17 \$0 \$0 \$0 Jun-17 \$0 \$0 \$0						50				
May-17 * \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0										
Jun-17 \$0 \$0 \$0	•					SO				
2017 Recovery Year S0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	•					\$0			\$0	\$0
	2017 Recovery Year	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

* Projected

⁽¹⁾ Excludes AIP and includes external Auditor and Temporary Labor costs

Recoveries

	Therm Sales and	d Services				Total	Recoveries					Total	Rate
	Residential	Commercial	Industrial	Lighting	Cogen.	Therms	Residential	Commercial	Industrial	Lighting	Cogen.	Recoveries	w/o tax **
	deside data hamani												
Aug-09	4,811,703	3,602,018	6,588,285	2,766	340,610	15,345,382	\$13,549	\$12,304	\$32,495	\$8	\$2,784	\$61,140	\$0.0040
Sep-09	4,738,226	3,961,083	6,563,655	2,759	0	15,265,723	\$35,569	\$27,369	\$26,174	\$21	SO	\$89,133	\$0.0058
Oct-09	7,853,590	5,699,921	7,055,036	2,759	0	20,611,306	\$59,299	\$42,696	\$28,389	\$21	\$0	\$130,405	\$0.0063
Nov-09	13,978,494	8,940,289	7,165,257	2,759	0	30,086,799	\$105,766	\$67,989	\$35,649	\$21	\$0	\$209,425	\$0.0070
Dec-09	24,150,713	15,086,353	8,821,857	2,759	370,020	48,431,702	\$182,932	\$113,886	\$43,163	\$21	\$0	\$340,002	\$0.0070
Jan-10	41,594,687	23,629,069	9,171,129	2,759	7,200	74,404,844	\$314,856	\$178,380	\$45,019	\$21	\$29	\$538,305	\$0.0072
Feb-10	38,789,014	22,634,005	8,476,452	2,536	0	69,902,007	\$293,808	\$171,704	\$41,290	\$19	\$0	\$506,821	\$0.0073
Mar-10	31,569,548	17,549,279	7,606,508	2,015	90,000	56,817,350	\$238,772	\$132,005	\$35,626	\$15	\$665	\$407,083	\$0.0072
Apr-10 (1)	16,118,575	9,873,152	6,954,992	2,015	0	32,948,734	\$121,873	\$74,307	\$212,382	\$15	\$0	\$408,577	\$0.0124
May-10	9,785,111	6,044,706	6,575,788	2,000	0	22,407,605	\$73,909	\$45,525	\$49,972	\$15	\$0	\$169,421	\$0.0076
Jun-10	6,372,561	4,548,325	6,435,804	2,000	45,340	17,404,030	\$48,029	\$34,214	\$48,937	\$15	\$377	\$13 1,572	\$0.0076
Total 11 Mos	199,762,222	121,568,200	81,414,763	27,127	853,170	403,625,482	\$1,488,362	\$900,379	\$599,096	\$192	\$3,855	\$2,991,884	
Jul-10	4,703,085	3,508,833	6,657,354	2,000	1,854,000	16,725,272	\$35,601	\$26,340	\$50,562	\$15	\$14,208	\$126,726	\$0.0076
Aug-10	4,318,905	3,380,330	6,937,605	2,000	421,410	15,060,250	\$32,706	\$24,727	\$52,734	\$15	\$6,117	\$116,299	\$0.0077
Sep-10	4,535,968	4,190,818	6,358,608	2,000	24,150	15,111,544	\$34,339	\$31,403	\$47,767	\$15	\$183	\$113,707	\$0.0075
Oct-10	6,390,708	4,567,370	6,974,707	2,000	115,330	18,050,115	\$48,190	\$34,602	\$53,001	\$15	\$878	\$136,686	\$0.0076
Nov-10	14,483,894	9,527,824	7,764,712	2,000	2,540	31,780,970	\$109,613	\$72,089	\$59,006	\$15	\$19	\$240,742	\$0.0076
Dec-10	30,261,382	18,259,959	9,193,127	2,000	220,000	57,936,468	\$229,117	\$138,461	\$69,861	\$15	\$1,637	\$439,091	\$0.0076
Jan-11	42,922,596	24,075,481	9,394,922	2,000	0	76,394,999	\$324,963	\$182,243	\$69,967	S 15	\$20	\$577,208	\$0.0076
Feb-11	41,387,567	24,436,872	8,177,758	1,402	۵	74,003,599	\$201,272	\$96,887	\$3,722	\$5	\$0	\$301,886	\$0.0041
Mar-11	32,238,144	18,486,295	8,443,824	1,402	0	59,169,665	\$2,912	\$1,544	\$431	\$0	\$0	\$4,887	\$0.0001
Apr-11	23,750,289	13,451,282	7,621,878	1,402	0	44,824,851	\$521	\$495	\$3,588	\$0	\$0	\$4,604	\$0.0001
May-11	11,096,795	6,856,770	6,605,081	1,402	0	24,560,048	\$109	(\$86)	(\$531)	\$0	\$0	(\$508)	\$0.0000
Jun-11	6,030,360	4,260,863	6,315,568	1,402	0	16,608,193	\$182	\$224	\$7	\$0	\$0	\$413	\$0.0000
12 Mos	222,119,693	135,002,697	90,445,144	21,010	2,637,430	450,225,974	\$1,019,525	\$608,929	\$410,115	\$110	\$23,062	\$2,061,741	
				,									
Jul-11	4,881,839	3,933,695	5,908,574	1,402	0	14,725,510	\$147	\$740	\$0	\$0	\$0	\$887	\$0.0001
Aug-11	4,339,674	3,764,246	6,696,933	1,402	0	14,802,255	\$149	\$149	\$0	\$0	\$0	\$298	\$0.0000
Sep-11	4,739,834	3,925,155	6,401,359	1,402	0	15,067,750	\$134	\$289	\$0	\$0	\$0	\$423	\$0.0000
Oct-11	5,987,106	4,935,310	6,924,902	1,402	O	17,848,720	\$220	\$128	\$0	\$0	\$0	\$348	\$0.0000
Nov-11	15,084,089	10,352,414	6,863,710	1,402	0	32,301,615	\$288	\$335	\$0	\$0	\$0	\$623	\$0.0000
Dec-11	21,677,512	13,832,098	7,319,904	1,402	0	42,830,916	\$115	(\$82)	\$0	\$0	\$0	\$33	\$0.0000
Jan-12	33,868,721	19,653,841	8,457,300	1,402	0	61,981,264	\$128	\$251	\$0	\$0	\$0	\$379	\$0.0000
Feb-12	32,216,720	18,920,160	7,407,180	1,402	0	58,545,462	\$130	\$71	\$0	\$0	\$0	\$201	\$0.0000
Mar-12	26,916,760	15,620,151	6,990,903	1,402	0	49,529,216	\$186		\$0	\$0	\$0	\$304	\$0.0000
Apr-12	15,205,198	9,638,247	6,705,453	1,402	0	31,550,300	\$107	\$581	\$0	\$0	\$0	\$688	\$0.0000
May-12	10,405,551	6,625,644	5,669,614	1,412	0	23,702,221	\$38		\$0	\$0	\$0	\$60	\$0,0000
Jun-12	5,849,802	4,193,517	5,830,076	1,416	٥	15,874,811	\$138	\$34	\$0	\$0	\$0	\$172	\$0.0000
12 Mos	181,172,806	115,394,478	82,175,908	16,848	0	378,760,040	\$1,780	\$2,636	\$0	\$0	\$0	\$4,416	•
	***************************************								***************************************	*****			-

Recoveries

	T	nerm Sales and	I Services				Total	Recoveries					Total	Rate
		Residential	Commercial	Industrial	Lighting	Cogen.	Therms	Residential	Commercial	Industrial	Lighting	Cogen.	Recoveries	w/o tax **
								***	275	***	# 0	60	670	E0 0000
Jul-12		4,743,331	3,982,856	5,951,702	1,416	0	14,679,305	\$21	\$58	\$0	\$0 #0	\$0 \$0	\$79	\$0.0000
Aug-12		4,413,093	3,556,085	6,156,330	1,416	0	14,126,924	\$79	\$8	\$0	\$0	\$0	\$87	\$0.0000
Sep-12		4,520,647	3,710,193	5,590,837	1,416	0	13,823,093	\$34	\$34	\$0	\$0	\$0	\$68	\$0.0000
Oct-12		6,192,138	4,411,414	6,409,067	1,402	0	17,014,021	\$51	\$2	\$0	\$0	\$0 22	\$53	\$0.0000
Nov-12		14,024,994	9,769,066	6,349,712	1,402	Q	30,145,174	(\$18)	\$0	\$0	\$0	SO	(\$18)	\$0.0000
Dec-12		27,327,700	16,745,133	6,717,806	1,402	0	50,792,041	(\$2)	\$7	\$0	\$0	\$0	\$5	\$0.0000
Jan-13		34,145,945	17,423,400	8,032,481	1,402	0	59,603,228	\$87	\$49	\$0	\$0	\$0	\$136	\$0.0000
Feb-13		40,418,740	27,252,003	7,889,067	1,402	0	75,561,212	\$35	\$362	\$0	\$0	\$0	\$397	\$0.0000
Mar-13		37,047,757	21,608,948	8.010.357	1,402	0	66,668,464	(\$30)	\$2	\$0	S0	\$0	(\$28)	\$0.0000
Apr-13		26,252,079	14,314,629	7,237,275	1,402	0	47,805,385	\$8	\$77	\$0	\$0	\$0	\$85	\$0.0000
May-13		11,354,644	7,193,009	6,641,342	1,402	0	25,190,397	(\$4)	(\$41)	\$0	Ş 0	S0	(\$45)	\$0.0000
Jun-13		6,997,978	5,146,703	5,862,863	1,402	0	18,008,946	\$9	(\$11)	\$0	\$0	\$0	(\$2)	\$0.0000
Gail-15		0,007,010	2,,.	-1					•					
12 Mos	-	217,439,046	135,113,439	80,848,839	16,866	0	433,418,190	\$270	\$547	\$0	\$0	\$0	\$817	
	-								•					
						_	10 700 000		rt cs	50	\$0	\$0	\$5	\$0.0000
Jul-13		4,835,079	3,839,568	5,080,554	1,402	0	13,756,603	\$5	\$0 \$6	\$0 50	\$0 \$0	\$0 \$0	#5 \$7	\$0.0000
Aug-13		4,537,270	3,646,461	6,524,724	1,402	0	14,709,857	\$2	\$5	50			\$53	\$0.0000
Sep-13		4,777,447	4,123,400	5,433,793	1,402	0	14,336,042	\$45	\$8	\$0	\$0 #0	\$0		
Oct-13		5,882,255	4,769,235	6,068,665	1,402	0	16,721,557	(\$15)	\$0	\$0	\$0 60	\$0 ***	(\$15)	\$0.0000
Nov-13		14,696,061	10,650,067	6,680,257	1,402	٥	32,027,787	\$7	(\$7)	\$0	\$0	\$0	\$0	\$0,0000
Dec-13		32,257,624	19,615,823	6,833,807	1,402	0	58,708,656	\$0	\$3	\$0	\$0	\$0	\$3	\$0.0000
Jan-14		42,404,093	25,223,822	7,767,145	1,372	0	75,396,432	\$62,797	\$53,201	\$29,594	\$3	\$0	\$145,595	\$0.0019
Feb-14		47,376,629	27,821,296	7,289,928	1,372	0	82,489,225	\$184,552	\$108,092	\$28,436	\$5	\$118	\$321,203	\$0.0039
Mar-14		42,448,792	24,110,711	7,320,631	1,372	0	73,881,506	\$166,513	\$94,711	\$28,675	\$5	\$11	\$289,915	\$0.0039
Apr-14		27,196,068	15,544,195	6,474,801	1,372	0	49,216,436	\$106,645	\$60,387	\$24,946	\$5	\$0	\$191,983	\$0.0039
May-14		13,372,198	7,407,698	6,220,548	1,372	0	27,001,816	\$52,370	\$29,086	\$24,353	\$5	(\$129)	\$105,685	\$0.0039
Jun-14		6,335,942	4,620,271	6,183,939	1,372	0	17,141,524	\$24,869	\$18,028	\$23,381	\$5	\$0	\$66,283	\$0.0039
		-1		, .	,		·							
12 Mos	_	246,119,458	151,372,547	77,878,792	16,644	0	475,387,441	\$597,790	\$363,514	\$159,385	\$28	\$0	\$1,120,717	
	*	4444000	2 222 222	E 000 007	2,400	0	13,227,843	\$16,045	\$14,933	\$20,601	\$9	\$0	\$51,588	\$0.0039
Jul-14	-	4,114,200	3,829,036	5,282,207		0	13,392,993	\$15,951	\$15,068	\$21,205	\$9	\$0	\$52,233	\$0.0039
Aug-14	-	4,089,900	3,863,468	5,437,225	2,400	0	13,193,447	\$16,440	\$15,369	\$19,636	\$9	\$0	\$51,454	\$0.0039
Sep-14	*	4,215,400	3,940,664	5,034,983	2,400	0		\$27,481	\$22,565	\$22,789	\$9	so	\$72,844	\$0.0039
Oct-14	*	7,046,500	5,785,902	5,843,348	2,400		18,678,150	•	\$40,206	\$22,313	\$9	\$0	\$124,963	\$0.0039
Nov-14	*	16,008,900	10,309,267	5,721,379	2,400	0	32,041,946	\$62,435		\$37,997	\$16	\$0	\$332,130	\$0.0066
Dec-14	*	28,033,700	16,529,481	5,757,063	2,400	0	50,322,644	\$185,022	\$109,095		•	\$0 \$0	\$653,888	\$0.0003
Jan-15	*	40,507,700	22,995,083	7,569,525	2,400	0	71,074,708	\$372,671	\$211,555	\$69,640	\$22			-
Feb-15	*	43,256,900	24,582,577	7,26 3,375	2,400	0	75,105,252	\$397,963	\$226,160	\$66,823	\$22	\$0	\$690,968	\$0.0092
Mar-15	*	35,504,900	19,996,896	7,551,079	2,400	0	63,055,275	\$326,645	\$183,971	\$69,470	\$22	\$0	\$580,108	\$0.0092
Apr-15	*	21,784,500	12,466,846	6,802,032	2,400	0	41,055,778	\$200,417	\$114,695	\$62,579	\$22	\$0	\$377,713	\$0.0092
May-15	*	10,875,100	7,316,457	6,230,188	2,400	0	24,424,145	\$100,051	\$67,311	\$57,318	\$22	\$0	\$224,702	\$0.0092
Jun-15	*	5,082,000	4,363,786	5,393,843	2,400	0	14,842,029	\$46,754	\$40,147	\$49,623	\$22	\$0	\$136,546	\$0.0092
	_		100 000 100	70 000 075	00.000		420 444 240	\$1,767,875	\$1,061,075	\$519,994	\$193	\$0	\$3,349,137	
12 Mos	_	220,519,700	135,979,463	73,886,247	28,800	0	430,414,210	31,707,073	91,001,075	9010,004	Ψ,33		polodol 101	

Recoveries

	7	Therm Sales and	d Services				Total	Recoveries					Total	Rate
		Residentia	Commercial	Industrial	Lighting	Cogen.	Therms	Residential	Commercial	Industrial	Lighting	Cogen.	Recoveries	w/o tax **
												•		
Jul-15	•	4,114,200	3,829,036	5,282,207	2,400	0	13,227,843	\$37,851	\$35,227	\$48,596	\$22	\$0	\$121,696	\$0.0092
Mug-15	*	4,089,900	3,863,468	5,437,225	2,400	0	13,392,993	\$37,627	\$35,544	\$50,022	\$22	\$0	\$123,215	\$0.0092
Sep-15	*	4,215,400	3,940,664	5,034,983	2,400	0	13,193,447	\$38,782	\$36,254	\$46,322	\$22	\$0	\$121,380	\$0.0092
Oct-15	*	7,046,500	5,785,902	5,843,348	2,400	۵	18,678,150	\$45,098	\$37,030	\$37,397	\$15	\$0	\$119,540	\$0.0064
Nov-15	*	16,008,900	10,309,267	5,721,379	2,400	O	32,041,946	\$5 6 ,031	\$36,082	\$20,025	\$8	\$0	\$112,146	\$0.0035
Dec-15	*	28,033,700	16,529,481	5,757,063	2,400	0	50,322.644	\$98,118	\$57,853	\$20,150	\$8	\$0	\$176,129	\$0.0035
Jan-16	*	40,507,700	22,995,083	7,569,525	2,400	0	71,074,708	\$141,777	\$80,483	\$26,493	\$8	\$0	\$248,761	\$0.0035
Feb-16	*	43,256,900	24,582,577	7,263,375	2,400	0	75,105,252	\$151,399	\$86,039	\$25,422	\$8	\$0	\$262,868	\$0.0035
Mar-16	*	35,504,900	19,996,896	7,551,079	2,400	0	63,055,275	\$124,267	\$69,989	\$26,429	\$8	\$0	\$220,693	\$0.0035
Apr-16	*	21,784,500	12,466,846	6,802,032	2,400	0	41,055,778	\$76,246	\$43,634	\$23,807	\$8	\$0	\$143,695	\$0.0035
May-16	•	10,875,100	7,316,457	6,230,188	2,400	0	24,424,145	\$38,063	\$25,608	\$21,806	\$8	SO	\$85,485	\$0.0035
Jun-16	*	5,082,000	4,363,786	5,393,843	2,400	0	14,842,029	\$17,787	\$15,273	\$18,878	\$8	\$0	\$51,946	\$0.0035
Gu ., 10		5,002,000	1,044,144	_,,_	_,									
12 Mos	-	220,519,700	135,979,463	73,886,247	28,800	0	430,414,210	\$863,046	\$559,016	\$365,347	\$145	\$0	\$1,787,554	
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Jul-16	*	4,114,200	3,829,036	5.282.207	2,400	0	13,227,843	\$14,400	\$13,402	\$18,488	\$8	\$0	\$46,298	\$0.0035
Aug-16	*	4,089,900	3,863,468	5,437,225	2,400	0	13,392,993	\$14,315	\$13,522	\$19,030	\$8	\$0	\$46,875	\$0.0035
Sep-16	*	4,215,400	3,940,664	5,034,983	2,400	Ö	13,193,447	\$14,754	\$13,792	\$17,622	\$8	\$0	\$46,176	\$0.0035
Oct-16	*	7.046,500	5,785,902	5,843,348	2,400	ō	18,678,150	\$14,093	\$11,572	\$11,687	\$5	\$0	\$37,357	\$0.0020
Nov-16	*	16,008,900	10,309,267	5,721,379	2,400	Ď	32,041,946	\$6,404	\$4,124	\$2,289	\$1	\$0	\$12,818	\$0.0004
Dec-16	×	28,033,700	16,529,481	5,757,063	2,400	Ö	50,322,644	\$11,213	\$6,612	\$2,303	\$1	\$0	\$20,129	\$0.0004
Jan-17	*	40,507,700	22,995,083	7,569,525	2,400	Ö	71,074,708	\$16,203	\$9,198	\$3,028	\$1	\$0	\$28,430	\$0.0004
Feb-17	*	43,256,900	24,582,577	7,263,375	2,400	ő	75,105,252	\$17,303	\$9,833	\$2,905	\$1	\$0	\$30,042	\$0.0004
Mar-17	*	35,504,900	19,996,896	7,551,079	2,400	Ö	63,055,275	\$14,202	\$7,999	\$3,020	\$1	50	\$25,222	\$0.0004
Apr-17	*	21,784,500	12,466,846	6,802,032	2,400	Ö	41,055,778	\$8,714	\$4,987	\$2,721	\$1	\$0	\$16,423	\$0.0004
•	*			6,230,188	2,400	ő	24,424,145	\$4,350	\$2,927	\$2,492	\$1	SD	\$9,770	\$0.0004
May-17	*	10,875,100	7,316,457	5,393,843	2,400	0	14,842,029	\$2,033	\$1,746	\$2,158	5 1	\$ 0	\$5,938	\$0.0004
Jun-17		5,082,000	4,363,786	5,585,645	2,400	U	14,042,023	\$2,000	\$1,140	φε ₁ 100	Ψ,	40	40,000	V0.000-1
12 Mos	-	220,519,700	135,979,463	73,886,247	28,800	0	430,414,210	\$137,984	\$99,714	\$87,743	\$37	\$0	\$325,478	•
12 14105	-	220,513,700	100,010,400	73,000,247	20,000	<u>u</u>	430,414,210	+00,1610						-
Jul-17	*	4,114,200	3,829,036	5,282,207	2,400	0	13,227,843	\$1,646	\$1,532	\$2,113	\$1	\$0	\$5,292	\$0.0004
Aug-17	*	4,089,900	3,863,468	5,437,225	2,400	Đ.	13,392,993	\$1,636	\$1,545	\$2,175	\$1	\$0	\$5,357	\$0.0004
Sep-17	*	4,215,400	3,940,664	5,034,983	2,400	0	13,193,447	\$1,686	\$1,576	\$2,014	\$1	\$0	\$5,277	\$0.0004
Oct-17	*	7,046,500	5,785,902	5,843,348	2,400	0	18,678,150	\$3,523	\$2,893	\$2,922	\$1	\$0	\$9,339	\$0.0005
Nov-17	×	16,008,900	10,309,267	5,721,379	2,400	0	32,041,946	\$8,004	\$5,155	\$2,861	\$1	\$0	\$16,021	\$0.0005
Dec-17	*	28,033,700	16,529,481	5,757,063	2,400	0	50,322,644	\$14,017	\$8,265	\$2,879	\$1	\$0	\$25,162	\$0.0005
Jan-18	*	40,507,700	22,995,083	7,569,525	2,400	ő	71,074,708	\$20,254	\$11,498	\$3,785	\$1	50	\$35,538	\$0.0005
Feb-18	*	43,256,900	24,582,577	7,263,375	2,400	õ	75,105,252	\$21,628		\$3,632	\$1	SO	\$37,552	\$0.0005
Mar-18	*	35,504,900	19,996,896	7,551,079	2,400	0	63,055,275	\$17,752		\$3,776	\$1	\$0	\$31,527	\$0.0005
Apr-18	*	21,784,500	12,466,846	6,802,032		Ö	41,055,778	\$10,892		\$3,401	\$1	\$0	\$20,527	\$0,0005
•	*	10,875,100	7,316,457	6,230,188		0	24,424,145	\$5,438		\$3,115	\$1	\$0	\$12,212	\$0.0005
May-18 Jun-18	*		4,363,786	5,393,843		0	14,842,029	\$2,541	\$2,182	\$2,697	\$1 \$1	\$0	\$7,421	\$0.0005
Jun-10		5,082,000	4,303,700	0,353,043	4,400	U	14,042,025	42,34	ψε, τος	QE,001	Ψ.	Ψυ	V1,⊐2.1	40.000
12 Mos		220,519,700	135,979,463	73,886,247	28,800	0	430,414,210	\$109,017	\$66,826	\$35,370	\$12	\$0	\$211,225	•
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Recoveries

	Therm Sales and Services					Total	Recoveries					Total	Rate	
	••	Residential	Commercial	Industrial	Lighting	Cogen.	Therms	Residential	Commercial	Industrial	Lighting	Cogen.	Recoveries	w/o tax **
Jul-18	*	4,114,200	3,829,036	5,282,207	2,400	0	13,227,843	\$2,057	\$1,915	\$2,641	\$1	\$0	\$6,614	\$0.0005
Aug-18	*	4,089,900	3,863,468	5,437,225	2,400	0	13,392,993	\$2,045	\$1,932	\$2,719	\$1	\$0	\$6,697	\$0.0005
Sep-18	*	4,215,400	3.940.664	5,034,983	2,400	0	13,193,447	\$2,108	\$1,970	\$2,517	\$1	\$0	\$6,596	\$0,0005
Oct-18	*	7,046,500	5,785,902	5,843,348	2,400	0	18,678,150	\$2,819	\$2,314	\$2,337	\$1	\$0	\$7,471	\$0,0004
Nov-18	•	16,008,900	10,309,267	5,721,379	2,400	0	32,041,946	\$4,803	\$3,093	\$1,716	\$1	\$0	\$9,613	\$0.0003
Dec-18	*	28,033,700	16,529,481	5,757,063	2,400	0	50,322,644	\$8,410	\$4,959	\$1,727	\$1	\$0	\$15,097	\$0,0003
Jan-19	*	40,507,700	22,995,083	7,569,525	2,400	0	71,074,708	\$12,152	\$6,899	\$2,271	\$1	\$0	\$21,323	\$0.0003
Feb-19	*	43,256,900	24,582,577	7,263,375	2,400	O	75,105,252	\$12,977	\$7,375	\$2,179	\$1	\$0	\$22,532	\$0.0003
Mar-19	*	35,504,900	19.996.896	7,551,079	2,400	0	63,055,275	\$10,651	\$5,999	\$2,265	\$1	\$0	\$18,916	\$0.0003
Apr-19	*	21,784,500	12,466,846	6,802,032	2,400	0	41,055,778	\$6,535	\$3,740	\$2,041	\$1	\$0	\$12,317	\$0.0003
May-19	*	10,875,100	7,316,457	6,230,188	2,400	0	24,424,145	\$3,263	\$2,195	\$1,869	\$1	\$0	\$7,328	\$0.0003
Jun-19	*	5,082,000	4,363,786	5,393,843	2,400	0	14,842,029	\$1,525	\$1,309	\$1,618	\$1	\$0	\$4,453	\$0.0003
		, ,	, ,											
12 Mos	•	220,519,700	135,979,463	73,886,247	28,800	0	430,414,210	\$69,345	\$43,700	\$25,900	\$12	\$0	\$138,957	
	•							•		•				
Jul-19	*	4,114,200	3,829,036	5,282,207	2,400	0	13,227,843	\$1,234	\$1,149	\$1,585	\$1	\$0	\$3,969	\$0.0003
Aug-19	*	4.089.900	3,863,468	5,437,225	2,400	0	13,392,993	\$1,227	\$1,159	\$1,631	\$1	\$0	\$4,018	\$0,0003
Sep-19	*	4,215,400	3,940,664	5,034,983	2,400	0	13,193,447	\$1,265	\$1,182	\$1,510	\$1	\$0	\$3,958	\$0.0003
Oct-19	*	7.046,500	5,785,902	5,843,348	2,400	0	18,678,150	\$1,409	\$1,157	\$1,169	\$0	\$0	\$3,735	\$0,0002
Nov-19	*	16,008,900	10,309,267	5,721,379	2,400	Ö	32,041,946	\$0	\$0	\$0	\$0	\$0	S0	\$0.0000
Dec-19	*	28,033,700	16,529,481	5,757,063	2,400	0	50,322,644	\$0	\$0	\$0	\$0	\$0	50	\$0.0000
Jan-20	*	40,507,700	22,995,083	7,569,525	2,400	0	71,074,708	\$0	\$0	\$0	\$0	\$0	\$0	\$0.0000
Feb-20	*	43,256,900	24,582,577	7,263,375	2,400	0	75,105,252	\$0	\$0	\$0	\$0	\$0	\$0	\$0,0000
Mar-20	*	35,504,900	19,996,896	7,551,079	2,400	0	63,055,275	SO.	\$0	\$0	\$0	\$0	\$0	\$0.0000
Apr-20	*	21,784,500	12,466,846	6,802,032	2,400	0	41,055,778	\$0		\$0	\$0	\$0	\$0	\$0.0000
May-20	*	10,875,100	7,316,457	6,230,188	2,400	0	24,424,145	\$0		\$0	\$0	\$0	\$0	\$0.0000
Jun-20	*	5,082,000	4,363,786	5,393,843	2,400	0	14,842,029	\$0	\$0	\$0	\$0	\$0	\$0	\$0.0000
12 Mos		220,519,700	135.979.463	73,886,247	28,800	0	430,414,210	\$5,135	\$4,647	\$5,895	\$3	\$0	\$15,680	-
12 11100				-,,-					······································					-

^{*} Projected

^{**} Billing at the tariff rate yields the dollars recovered, inclusive of rate proration, if any. The rate presented is derived from dividing that amount by the therms, as such rounding differences to the tariff / billing rate may result.

(1) April 2010 back billed FTS customers August 09 - March 10, for \$170,127.

Over / Under Recovered Carrying Cost Rate Weighted Average Cost of Borrowing 12 Months Ended

	Rates:		Ratio:		After Tax
	Commercial	Bank	Commercial	Bank	Wtd. Avg. Cost
	Paper	Credit Lines	Paper	Credit Lines	of Borrowing (1)
<u>a</u>	<u>b</u>	<u>C</u>	<u>d</u>	e	f=(b*d+c*e)*(14085)
Aug-09	0.82%	0.00%	100.00%	0.00%	0.49%
	0.79%	0.00%	100.00%	0.00%	0.47%
Sep-09		0.00%	100.00%	0.00%	0.41%
Oct-09	0.70%		100.00%	0.00%	0.33%
Nov-09	0.56%	0.00%		0.00%	0.31%
Dec-09	0.53%	0.00%	100.00%	0.00%	0.31%
Jan-10	0.52%	0.00%	100.00%		0.34%
Feb-10	0.57%	0.00%	100.00%	0.00%	
Mar-10	0.65%	0.00%	100.00%	0.00%	0.38%
Apr-10	1,13%	0.00%	100.00%	0.00%	0.67%
May-10	1.11%	0.00%	100.00%	0.00%	0.66%
Jun-10	0.60%	0.00%	100.00%	0.00%	0.35%
Jul-10	0.59%	0.00%	100.00%	0.00%	0.35%
Aug-10	0.54%	0.00%	100.00%	0.00%	0.32%
Sep-10	0.51%	0.00%	100.00%	0.00%	0.30%
Oct-10	0.51%	0.00%	100.00%	0.00%	0.30%
Nov-10	0.51%	0.00%	100.00%	0.00%	0.30%
Dec-10	0,50%	0.00%	100.00%	0.00%	0.30%
Jan-11	0.49%	0.00%	100.00%	0.00%	0.29%
Feb-11	0.49%	0.00%	100.00%	0.00%	0.29%
Mar-11	0.92%	0.00%	100.00%	0.00%	0.54%
Apr-11	0.00%	0.00%	100.00%	0.00%	0.00%
May-11	0.32%	0.00%	100.00%	0.00%	0.19%
Jun-11	0.31%	0.00%	100.00%	0.00%	0.18%
Jul-11	0.33%	0.00%	100.00%	0.00%	0.20%
Aug-11	0.34%	0.00%	100.00%	0.00%	0.20%
Sep-11	0.00%	0.00%	100.00%	0.00%	0.00%
Oct-11	0.00%	0.00%	100.00%	0.00%	0.00%
Nov-11	0.47%	0.00%	100.00%	0.00%	0.28%
Dec-11	0.57%	0.00%	100.00%	0.00%	0.34%
Jan-12	0.55%	0.00%	100.00%	0.00%	0.33%
Feb-12	0.50%	0.00%	100.00%	0.00%	0.30%
Mar-12	0.48%	0.00%	100.00%	0.00%	0.28%
Apr-12	0.48%	0.00%	100.00%	0.00%	0.28%
May-12	0.48%	0.00%	100.00%	0.00%	0.28%
Jun-12	0.48%	0.00%	100.00%	0.00%	0.28%
Jul-12	0.49%	0.00%	100.00%	0.00%	0.29%
Aug-12	0.49%	0.00%	100.00%	0.00%	0.29%
Sep-12	0.50%	0.00%	100.00%	0.00%	0.30%
Oct-12	0.50%	0.00%	100.00%	0.00%	0.30%
Nov-12	0.51%	0.00%	100.00%	0.00%	0.30%
Dec-12	0,50%	0.00%	100.00%	0.00%	0.30%
Jan-13	0.51%	0.00%	100.00%	0.00%	0.30%
Feb-13	0.50%	0.00%	100.00%	0.00%	0.30%
Mar-13	0.47%	0.00%	100.00%	0.00%	0.28%
Apr-13	0.43%	0.00%	100.00%	0.00%	0.25%
May-13	0.40%	0.00%	100.00%	0.00%	0.24%
		•			

Over / Under Recovered Carrying Cost Rate Weighted Average Cost of Borrowing

12 Months Ended

	Rates:		Ratio:		After Tax
	Commercial	Bank	Commercial	Bank	Wtd. Avg. Cost
	Paper	Credit Lines	<u>Paper</u>	Credit Lines	of Borrowing (1)
<u>a</u>	<u>b</u>	<u>c</u>	<u>d</u>	<u>e</u>	f=(b*d+c*e)*(14085)
Jun-13	0.36%	0.00%	100.00%	0.00%	0.21%
Jul-13	0.35%	0.00%	100.00%	0.00%	0.21%
Aug-13	0.33%	0.00%	100.00%	0.00%	0.20%
Sep-13	0.35%	0.00%	100.00%	0.00%	0.21%
Oct-13	0.38%	0.00%	100.00%	0.00%	0.22%
Nov-13	0.35%	0.00%	100.00%	0.00%	0.21%
Dec-13	0.36%	0.00%	100.00%	0.00%	0.21%
Jan-14	0.33%	0.00%	100.00%	0.00%	0.20%
Feb-14	0.34%	0.00%	100.00%	0.00%	0.20%
Mar-14	0.35%	0.00%	100.00%	0.00%	0.21%
	0.37%	0.00%	100.00%	0.00%	0.22%
Apr-14	0.23%	0.00%	100.00%	0.00%	0.14%
May-14	0.25%	0.00%	100.00%	0.00%	0.15%
Jun-14		0.00%	100.00%	0.00%	0.15%
Jul-14	U,2.U70	0.00%	100.00%	0.00%	0.15%
∧ug-1 -1	0.2070	0.00%	100.00%	0.00%	0.15%
36h-14	0.2070	0.00%	100.00%	0.00%	0.15%
COU-1-4	0.2070		100.00%	0.00%	0.15%
1404-14	0.2070	0,00%	100.00%	0.00%	0.15%
Deceit	0.2075	0.00%	100.00%	0.00%	0.15%
Jairio	0.2070	0.00% 0.00%	100.00%	0.00%	0.15%
Len-12	0.2070		100.00%	0.00%	0.15%
Mar-15 *	V, 22 70	0.00%		0.00%	0.15%
Aprilo	0.2070	0.00%	100.00%	0.00%	0.15%
iviay-15	0.2070	0.00%	100.00%	0.00%	0.15%
3u/1-13	0.2070	0.00%	100.00% 100.00%	0.00%	0.15%
Jul-10	0.207u	0.00%	100.00%	0.00%	0.15%
Mug-15	0.2.070	0.00%		0.00%	0.15%
Sep-13	0.2070	0.00%	100.00%	0.00%	0.15%
OCI-19	0.2070	0.00%	100.00%	0,00%	0.15%
Nov-15 *	0.2070	0.00%	100.00%		0.15%
Dec-15 *	0.2070	0.00%	100.00%	0.00%	0.15%
Jan-16	0.2370	0.00%	100.00%	0.00%	0.15%
Feb-16	0.2070	0.00%	100.00%	0.00%	
Mar-16 *	0,2074	0.00%	100.00%	0.00%	0.15%
Apr-16 *	0.2070	0.00%	100.00%	0.00%	0.15%
May-16 *	0.2070	0.00%	100.00%	0.00%	0.15%
Jun-16	0.2070	0.00%	100.00%	0.00%	0.15%
Jul-16 '	Q.EQ70	0.00%	100.00%	0.00%	0.15%
Aug-16 *	0.2070	0.00%	100.00%	0.00%	0.15%
Sep-16	0.2070	0.00%	100.00%	0.00%	0.15%
Oct-16	0,44070	0.00%	100.00%	0.00%	0.15%
Nov-16	O.E.O 70	0.00%	100.00%	0.00%	0.15%
Dec-16 '	0.2070	0.00%	100.00%	0.00%	0.15%
0011-11	0.25%	0.00%	100.00%	0.00%	0.15%
Feb-17 '	0.2070	0.00%	100.00%	0.00%	0.15%
Mar-17	0.25%	0.00%	100.00%	0.00%	0.15%
Apr-17	0.25%	0.00%	100.00%	0.00%	0.15%

Over / Under Recovered Carrying Cost Rate Weighted Average Cost of Borrowing 12 Months Ended

		Rates:		Ratio:		After Tax		
		Commercial	Bank	Commercial	Bank	Wtd. Avg. Cost		
		<u>Paper</u>	Credit Lines	<u>Paper</u>	Credit Lines	of Borrowing (1)		
<u>a</u>		<u>b</u>	<u>c</u>	<u>d</u>	<u>e</u>	f=(b*d+c*e)*(14085)		
May-17	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Jun-17	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Jul-17	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Aug-17	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Sep-17	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Oct-17	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Nov-17	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Dec-17	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Jan-18	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Feb-18	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Mar-18	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Apr-18	*	0.25%	0.00%	100.00%	0.00%	0.15%		
May-18	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Jun-18	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Jul-18	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Aug-18	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Sep-18	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Oct-18	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Nov-18	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Dec-18	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Jan-19	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Feb-19	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Mar-19	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Apr-19	*	0.25%	0.00%	100.00%	0.00%	0.15%		
May-19	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Jun-19	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Jul-19	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Aug-19	*	0.25%	0.00%	100.00%	0.00%	0.15%		
Sep-19	*		0.00%	100.00%	0.00%	0.00%		

^{*} Projected

⁽¹⁾ The Company's weighted average interest rate obtained on its commercial paper and bank credit lines, when utilized. The projected months are based on the last actual rate.

PIVOTAL UTILITY HOLDINGS, INC. d/b/a ELIZABETHTOWN GAS DIRECT TESTIMONY OF GARY MARMO

- O. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.
- 2 A. My name is Gary Marmo. My business address is 300
- 3 Connell Drive, Suite 3000, Berkeley Heights, New
- 4 Jersey 07922.
- 5 O. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?
- 6 A. I am employed by Pivotal Utility Holdings, Inc. d/b/a
- 7 Elizabethtown Gas ("Elizabethtown" or "Company") as
- 8 Director of New Business Development, Mid Atlantic
- 9 Operations.
- 10 Q. WHAT IS THE SCOPE OF YOUR DUTIES AT ELIZABETHTOWN?
- II A. I am responsible for the local management of the
- 12 Company's Energy Efficiency programs. I also manage
- 13 all residential, commercial and industrial sales
- functions for both new and existing customers in the
- Mid-Atlantic region which includes the states of New
- 16 Jersey, Virginia and Maryland.
- 17 Q. PLEASE DESCRIBE YOUR EDUCATIONAL AND BUSINESS
- 18 EXPERIENCE.
- 19 A. In May 1980, I graduated from William Paterson
- 20 University located in Wayne, N.J. with a Bachelor of
- 21 Arts degree in Business Administration and Economics.

- In 1989 I joined the Company's residential sales team
- and in June 1996 received a promotion to the position
- of Territory Manager Key Accounts. In November, 2004
- 4 NUI Corporation was acquired by AGL Resources where I
- 5 assumed the position of Director of Sales, Mid
- 6 Atlantic Operations with responsibilities as described
- 7 in the "scope of duties" section above.
- 8 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS
- 9 PROCEEDING?
- 10 A. The purpose of my testimony is to support
- II Elizabethtown's Petition in this proceeding to revise
- 12 its EEP Rider rate and to provide information
- concerning the EE Programs. I will report on the
- 14 Company's spending on EE Programs for the period July
- 15 l, 2013 through June 30, 2014 ("2014 Program Period")
- and support the Company's spending forecast for the
- 17 period July 1, 2014 through June 30, 2015 ("2015
- 18 Program Period"). I will also provide data on EE
- 19 Program participation, associated energy savings,
- 20 emission reductions and full-time employment impacts.
- 21 Q. DOES YOUR TESTIMONY INCLUDE ANY ILLUSTRATIVE
- 22 SCHEDULES?
- 23 A. Yes. My testimony includes six schedules prepared
- 24 under my direction and supervision. These schedules

1	contain information responsive to the Minimum Filing
2	Requirements ("MFRs") as referenced in the MFR Index
3	attached to the Petition and as set forth in Appendix
4	D to the Stipulation ("Stipulation") approved by the
5	Board in its August 3, 2009 Order ("August 3 Order")
6	in Docket Nos. E009010056 and G009010060 et al., as
7	well as the Board's January 19, 2011 Order ("January
8	19 Order") and April 11, 2012 Order ("April 11 Order")
9	in BPU Docket Nos. GO10070446 and GO10100735 et al.
10	and BPU Docket No. GO11070399, respectively. The
11	schedules are as follows:

- (a) EEP Schedule GM-1 contains budgeted and actual EE Program costs by major spending categories for the period July 1, 2013 through June 30, 2014;
- (b) EEP Schedule GM-la contains estimated EE Program costs by major spending categories for the period July 1, 2014 through June 30, 2015;
- 20 (c) EEP Schedule GM-2 contains the number of
 21 EE Program participants and EE Program
 22 incentive costs through June 30, 2014;

l		(d) EEP Schedule GM-3 contains the estimated
2		demand and energy savings data through
3		June 30, 2014;
4		(e) EEP Schedule GM-4 contains emission
5		reductions data through June 30, 2014;
6		(f) EEP Schedule GM-5 contains estimated free
7		ridership and spillover data through June
8		30, 2014; and
9		(g) EEP Schedule GM-6 contains direct FTE
10		employment data through June 30, 2014.
11	Q.	PLEASE DESCRIBE THE COMPANY'S EE PROGRAMS.
12	A.	The EE Programs for which cost recovery is sought
13		comprise the following:
14		1. Residential Expanded Gas Heating Ventilation and
15		Air Conditioning ("HVAC") and Gas Hot Water
16		Heater Incentive Program;
17		2. Small Commercial Customer Energy Efficiency
18		Program; and
19		3. Large Commercial Customer Energy Efficiency
20		Program.
21		In accordance with a Board order issued August 21,
22		2013 in BPU Docket No. GO12100946 ("August 21 Order"),
		Elizabethtown is authorized to offer these programs
23		
24		through September 1, 2015.

- In addition to a range of rebates, the EE Programs
- 2 contain various customer education and outreach
- initiatives, including an on-line customer Dashboard,
- 4 designed to encourage customers to conserve energy and
- 5 provide information to them on how to lower their gas
- 6 bills.
- 7 Q. PLEASE DESCRIBE THE COMPANY'S SPENDING AND PROGRAM
- 8 PARTICIPATION LEVELS FOR THE EE PROGRAMS DURING THE
- 9 2014 PROGRAM PERIOD.
- 10 A. EEP Schedule GM-2 reflects approximately 985
- li participants during the 2014 Program Period, inclusive
- of residential and commercial customers. EEP Schedule
- GM-1 reflects approximately \$0.9 million in total EE
- 14 Program related expenditures during the 2014 Program
- 15 Period. As reflected on EEP Schedule GM-1, these
- 16 expenditures include costs in the following
- 17 categories: O&M, including internal and external
- labor, customer education, the customer Dashboard and
- 19 related information technology expenditures, and
- 20 Program Expenditures. These expenditures are also
- 21 outlined on EEP Schedule TK-4 which accompanies
- 22 Company witness Thomas Kaufmann's testimony.
- 23 Q. IS THE COMPANY'S SPENDING TO DATE CONSISTENT WITH THE
- 24 BUDGET APPROVED BY THE AUGUST 21 ORDER?

- 1 A. Yes, the August 21 Order approved an annual budget of
- 2 approximately \$1.3 or \$2.6 million through September
- 3 1, 2015. As reflected above, the Company's total
- 4 spend of \$0.9 million during the 2014 Program Period
- is within the authorized budget.
- 6 Q. PLEASE DESCRIBE THE COMPANY'S PROJECTED SPENDING
- 7 LEVELS FOR THE EE PROGRAMS DURING THE 2015 PROGRAM
- 8 PERIOD.
- 9 A. As reflected on EEP Schedule GM-1a, the Company
- 10 expects to incur approximately \$0.5 million in total
- 1! O&M expense, inclusive of \$40,000 of the costs
- associated with the program evaluation required by the
- 13 August 21 Order and approximately \$0.9 million in
- total EE Program expenditures during the 2015 Program
- 15 Period.
- 16 Q. WHAT DIRECT IMPACT DID THE EE PROGRAMS HAVE ON FULL
- 17 TIME EMPLOYMENT?
- 18 A. The direct FTE employment impacts, with a FTE defined
- as 1,820 hours of work annually, are reflected in EEP
- 20 Schedule GM-6. The Company estimates that the EE
- 21 Programs resulted in the creation of 1 in-house job
- 22 and approximately 6 jobs in the contracting industry.
- 23 Q. WHAT ARE THE ESTIMATED ANNUAL ENERGY SAVINGS
- 24 ATTRIBUTABLE TO THE EE PROGRAMS?

- A. The Company estimates that its EE Program resulted in a total estimated annual energy savings of 101,456 therms through June 30, 2014 for residential and commercial customers combined. This estimate is set
- 5 forth on EEP Schedule GM-3. Residential estimated
- 6 energy savings are based upon average savings data
- 7 provided by the Rutgers Center for Energy, Economic
- 8 and Environmental Policy.
- 9 Q. WHAT ARE THE ESTIMATED GREENHOUSE GAS EMISSION
- 10 REDUCTIONS ATTRIBUTABLE TO THE EE PROGRAMS?
- 11 A. The Company estimates that its EE Programs resulted in
- CO_2 , NOx and SO_2 emission reductions of 1,316,733, 832
- and 1,654 lbs per therm, respectively for residential
- 14 and commercial customers combined through June 30,
- 15 2014. This data is set forth on EEP Schedule GM-4.
- 16 Q. PLEASE EXPLAIN THE FREE RIDER AND SPILLOVER EFFECTS
- ASSOCIATED WITH THE COMPANY'S EE PROGRAM.
- 18 A. The Company estimates that 196 of the 985 customers
- 19 who participated in the Company's EE Programs through
- June 30, 2014 were "free-riders", meaning those who
- would have installed an energy efficiency measure even
- without any program incentive. The Company estimates
- 23 combined residential and commercial spillover effects
- 24 (i.e. collateral energy savings induced by other

EXHIBIT P-2

- utility energy efficiency programs) of 37,472 therms.
- 2 The free rider and spillover effects are set forth on
- 3 EEP Schedule GM-5.
- 4 Q. DOES THIS CONCLUDE YOUR TESTIMONY?
- 5 A. Yes, it does.

													2014
	<u> ปนใ-13</u>	<u>Aug-13</u>	<u>Sep-13</u>	Oct-13	Nov-13	<u>Dec-13</u>	<u>Jan-14</u>	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Program
ACTUAL	actual	actual	actual	actual	actual	actuat	actual	actual	actual	actual	actual	actual	Period
O&M EXPENDITURES	40.040	40.404			2 121	0.040	40.447	0.050	2.000	40.007	40.000	A 700	440.404
Labor	10,348	10,101	9,484	10,353	9,484	9,919	10,447	9,050	8,022	12,007	10,206	9,760	119,181
Customer Education, Outreach	9,567	24	2,096	1,701	41,689	22,791	76,269	39,961	46,327	42,125 27,000	3,653	16,478	302,681 40,500
Dashboard -IT	-	~	13,500	•	-	-	•	-	-	27,000	*	-	40,500
Program Evaluation TOTAL O&M	19,915	10,125	25,080	12,054	51,173	32,710	86,716	49,011	54,349	81,132	13,859	26,238	462,362
TOTAL Odim	13,313	10,125	20,000	12,034		1/4,7 10	00,710	40,011	041045	01,102	10,000	20,200	402,002
PROGRAM EXPENDITURES													
Whole House Financing					-	-							-
Dark to the Control of the Charles													
Residential Gas HVAC/WH:	18,500	32,000	-	20,600	30,800	10,400	17,800	17.800	10,009	37,200	38,200	34,050	267,359
Rebates, Grants, Incentives Rebate Processing	4,203	3,512	3,901	3,354	3,879	3,537	3,553	3,853	3,340	3,850	3,586	5,185	45,753
Cost Cutter Kit Fulfillments	4,203 886	388	15,850	2,554	374	5,507	859	3,000	5,546	5,050	J,300	5, 105	18,357
Ogst Gutter for Funitimenta	23,589	35,900	19,751	23,954	35,053	13,937	22,212	21,653	13,349	41,050	41.786	39,235	331,469
Whole House:		24,452											
Rebates, Grants, Incentives	-	_	-	_	-	_		-	-	-	-	-	-
Rebates Processing, Inspections	-	-	- .		_	-	-	. .	_		-	_	
		-		-	-	-		-	=		*	=	H
Small Commercial:													
Rebates, Grants, Incentives	15,300	~	-	-	-	-	23,254	16,025	(12,019)	15,841	-	-	58,401
Rebates Processing, Inspections					····		55.054	10.005	(40.040)	45.044			50.404
	15,300				<u>-</u>		23,254	16,025	(12,019)	15,841			58,401
<u>Large Commercial:</u> Rebates, Grants, Incentives													_
Rebates Processing, Inspections													-
Repaies Flocessing, inspections						-	······································				-		-
Whole Building:													
Rebates, Grants, Incentives													-
Rebates Processing, Inspections													-
			-	_			-	-	-	_	<u>-</u>		-
Enhanced Gas Cooling:	~												
Rebates, Grants, Incentives													-
Rebates Processing, Inspections												***************************************	
F. I 1 01/5 .	*											<u></u>	
Enhanced CHP:													
Rebates, Grants, Incentives													-
Rebates Processing, Inspections													
		-			***************************************		·····						
Total Program Expenditures	38,889	35,900	19,751	23,954	35,053	13,937	45,466	37,678	1,330	56,891	41,786	39,235	389,870
Total RGGt Expenditures	58,804	46,025	44,831	36,008	86,226	46,647	132,182	86,689	55,679	138,023	55,645	65,473	852,232
•													

GM-1

	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	<u>Apr-14</u>	<u>May-14</u>	Jun-14	2014 Program
BUDGET PROJECTION:													
O&M EXPENDITURES													
Labor	13,980	13,980	8,685	8,684	8,685	8,684	8,685	8,684	8,685	8,684	8,685	8,684	114,805
Customer Education, Outreach	15,000	15,000	26,250	26,250	26,250	26,250	26,250	26,250	26,250	26,250	26,250	26,250	292,500
Dashboard -IT	15,000	15,000	3,833	32,682	3,833	3,833	32,682	3,833	3,833	32,682	3,833	3,833	154,877
Program Evaluation			1.667	1,667	1,667	1,667	1,667	1,667	1.667	1,667	1,667	1,667	16,670
TOTAL O&M	43,980	43,980	40,435	69,283	40,435	40,434	69,284	40,434	40,435	69,283	40,435	40,434	578,852
PROGRAM EXPENDITURES													
Whole House Financing	-						-	-	*	*	***************************************		
Residential Gas HVAC/WH :													
Rebates, Grants, Incentives	49.000	48,497	46,300	46,900	46,300	46,300	46,500	46,300	46,300	46,500	46,300	46,500	561,697
Rebates Processing, Inspections	2,500	2,500	2.500	2,500	2,500	2,500	2,500	2,500		•			•
Cost Cutter Kits	•								2,500	2,500	2,500	2,500	30,000
Cost Cutter Kits	2,240	2,743	2,743	2,763	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,240	31,930
	53,740	53,740	51,543	52,163	51,543	51,543	51,743	51,543	51,543	51,743	51,543	51,240	623,627
Whole House :													
Rebates, Grants, Incentives													-
Rebates Processing, Inspections													-
	•	-	-	-	-	-	-	-	-	-	-	-	-
Small Commercial:			***************************************	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~									
Rebates, Grants, Incentives	10,000	10,000	5,833	5,833	5,833	5,833	5,833	5,833	5,833	5.833	5,833	5,833	78,330
Rebates Processing, Inspections			-,	0,000	7,000	0,000	-,	0,000	2,204	0,000	0,000	0,000	10,000
, read on the second of the production of the second of th	10,000	10,000	5,833	5,833	5,833	5,833	5,833	5,833	5,833	5,833	5,833	5,833	78,330
Large Commercial :	10,000		D,D00	3,000	2,000		0,000	0,000	3,033	0,000	0,000	0,000	70,000
Rebates, Grants, Incentives	10,000	10,000											00.000
	10,000	10,000	-	-	-	-	-	-	-	-	•	-	20,000
Rebates Processing, Inspections													
	10,000	10,000		-			-	-		-	-		20,000
Whole Building :													
Rebates, Grants, Incentives													-
Rebates Processing, Inspections													_
		-	٠	-	-		-	-			-		
Enhanced Gas Cooling:			******						*** ** * ******************************			*	
Rebates, Grants, Incentives													
Rebates Processing, Inspections													-
repared i rocessing, mapeedians	-						***************************************				······································		
Enhanced CHP: Rebates, Grants, Incentives Rebates Processing, Inspections					-	-						······································	-
reserve i recensulăi mapperinta												······································	
				<u>-</u>									
Total Program Expenditures	73,740	73,740	57,376	57,996	57,376	57,376	57,576	57,376	57,376	57,576	57,376	57,073	721,957
Total RGGI Expenditures	117,720	117,720	97,811	127,279	97,811	97,810	126,860	97,810	97,811	126,859	97,811	97,507	1,300,809
•								······································					

PIVOTAL UTILITY HOLDINGS, INC. d/b/a ELIZABETHTOWN GAS ENERGY EFFICIENCY PROGRAM ("EEP") ESTIMATED SPENDING BY PROGRAM (\$\$\$)

	<u>Jul-14</u>	<u>Aug-14</u>	<u>Sep-14</u>	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	<u>Mar-15</u>	Apr-15	<u>May-15</u>	Jun-15	2014 / 2015 Program
O&M EXPENDITURES	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Period
Labor	10.485	10.485	10,485	10.485	10,485	10,485	10 405	10.495	40.405	40.405	10 105	40.400	
Customer Education, Outreach	26,250	26,250	26,250	26,250	26,250	26,250	10,485 26,250	10,485	10,485	10,485	10,485	10,485	125,820
Dashboard -IT	13,500	20,200	20,230	13,500	20,250	20,250		26,250	26,250	26,250	26,250	26,250	315,000
Program Evaluation	13,500	~	-	13,500	-	-	13,500	-	-	13,500	-	-	54,000
TOTAL O&M	50,235	36,735	36,735	E0 22E		^ ^	20,000			20,000			40,000
TOTAL OWN	30,233	30,735	30,733	50,235	36,735	36,735	70,235	36,735	36,735	70,235	36,735	36,735	534,820
PROGRAM EXPENDITURES						_							
Whole House Financing													-
Residential Gas HVAC/WH:													
Rebates, Grants, Incentives	51,500	51,500	51,500	51,700	51,500	51,500	51,500	51,500	51,500	51,700	51,500	52,100	619,000
Rebate Processing	2,225	2,225	2,225	2,225	2,225	2,225	2,225	2,225	2,225	2,225	2,225	2,225	26,700
Cost Cutter Kit Fulfillments	1,253	1,253	1,253	1,253	1,253	1,253	1,253	1,253	1,253	1,253	750	750	14,030
Cost Cutter Kits	1,490	1,490	1,490	1,490	1,490	1,490	1,490	1,490	1,490	1,490	1,490	1,510	17,900
_	56,468	56,468	56,468	56,668	56,468	56,468	56,468	56,468	56,468	56,668	55,965	56,585	677,630
Whole House : Rebates, Grants, Incentives Rebates Processing, Inspections				· · · · · · · · · · · · · · · · · · ·								00,000	-
	-		-		-		-	-	*	-			<u></u>
Small Commercial: Rebates, Grants, Incentives Rebates Processing, Inspections	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	240,000
	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	240,000
Large Commercial: Rebates, Grants, Incentives Rebates Processing, Inspections	-	-	-	•	•	-	-	-	-		-	_	-
·		*		-	-	-	-	-		-	-	-	
Whote Building: Rebates, Grants, Incentives Rebates Processing, Inspections													-
m		-	-	-		-		_	-	-	-	-	~
Enhanced Gas Cooling: Rebates, Grants, Incentives Rebates Processing, Inspections													-
Estanced CUD :		-								-			-
Enhanced CHP: Rebates, Grants, Incentives Rebates Processing, Inspections	······	***************************************	····							-			-
-						-			-			-	-
Total Program Expenditures	76,468	76,468	76,468	76,668	76,468	76,468	76,468	76,468	76,468	76,668	75,965	76,585	917,630
Total RGGI Expenditures	126,703	113,203	113,203	126,903	113,203	113,203	146,703	113,203	113,203	146,903	112,700	113,320	1,452,450
-		****				·· 							

Elizabethtown Gas energySMART Report July 1, 2013 through June 30, 2014

Market Programs	Participants Actual	Program Incentives Actual
Residential		
Whole House		
Audits	-	
0% Interest Buy Downs	-	
Gas HVAC and Gas Hot Water Heater Incentive Program		
Gas Heating	861	\$243,759
Gas Tankless Water Heater	118	\$23,600
Gas Tank Water Heater		\$0
Small Commercial		
Gas HVAC	5	\$58,101
Gas Water Heating	1	\$300
Large Commercial	-	\$0
Combined Heat and Power		
Gas Cooling		
	985	\$325,760

Elizabethtown Gas energySMART Report

Estimated Annual Energy Savings

July 1, 2013 through June 30, 2014

Market Programs	Participants Actual	Therms Estimated
Residential		
Whole House		* *
Audits	-	
0% Interest Buy Downs		
Gas HVAC and Gas Hot Water Heater Incentive Program		
Gas Heating	861	(85,680)
Gas Tankless Water Heater	118	(6,490)
Gas Tank Water Heater		
Small Commercial		
Gas HVAC	5	(9,231)
Gas Water Heating	1	(55)
Large Commercial	<u> </u>	
Combined Heat and Power		
Gas Cooling		
•	985	(101,456)

Note: Residential estimated based upon actual normalized participant average savings data

Elizabethtown Gas energySMART Report

Greenhouse Gas Emission Reductions

July 1, 2013 through June 30, 2014

Market Programs	Participants	CO ₂ Emission Reductions (lbs)	NOx Emission Reductions (lbs)	SO₂ Emission Reductions (lbs)
Residential				
Whole House				· · · · · · · · · · · · · · · · · · ·
Audits	-			V
0% Interest Buy Downs	-		****	
Gas HVAC and Gas Hot Water Heater Incentive Program				
Gas Heating	861	(1,111,989)	(703)	(1,397)
Gas Tankless Water Heater	118	(84,230)	(53)	
Gas Tank Water Heater			(3)	(100)
Small Commercial				
Gas HVAC	5	(119,800)	(76)	(150)
Gas Water Heating	1	(714)	(0)	(1)
Large Commercial	-	**************************************		
Combined Heat and Power				· · · · · · · · · · · · · · · · · · ·
Gas Cooling		•••		

985

(1,316,733)

Note: Source: EPA

lbs/Therm

CO2 12.9784 NOx 0.0082 SO2 0.0163 (1,654)

(832)

Elizabethtown Gas energySMART Report

July 1, 2013 through June 30, 2014

				Spillo	ver	
Market Programs	Participants	Free Riders ¹	New Customer Fuel Conversion Participants	Existing Customer Fuel Conversion Participants	Therms ²	Incremental Capital Cost (Mains, Services, and Meters)
Residential						
Whole House			***************************************			······································
Audits	-	***	1		····	· · · · · · · · · · · · · · · · · · ·
0% Interest Buy Downs	-		····			
Gas HVAC and Gas Hot Water Heater Incentive Program		······································				·
Gas Heating	861	172	130	120	37,472	\$492,050
Gas Tankless Water Heater	118	24		120	31,412	\$4 5 2,050
Gas Tank Water Heater						
Small Commercial						· · · · · · · · · · · · · · · · · · ·
Gas HVAC	5	1	 	-		
Gas Water Heating	1	0				·
Large Commercial						
Combined Heat and Power						***************************************
Gas Cooling						······································
	985	196	130	120	37,472	\$492,050

Based upon the 20% residential and 10% commercial free rider percentage assumed by CEEEP
 Estimated based upon actual normalized participant average data

July 1, 2013 through June 30, 2014

EEP	Program Admin	Residential Audits Tier 1	(HVAC only)		(Whole house) (20-24.99%)	Residential Tier 3 (Whole house) (> 25%)	Residential Tier 3 (AWH & TWH)	Commercial incentive and repayment under 200KW	Commercial incentive and repayment over 200KW	Commercial (AWH)	СНР	Gaş Cooling
Participants	N/A	-	861	118	-	-		5		1	-	-
Man-Days Per Job	N/A	0.33	1.50	0.75	3.00	3.00	0.75	7.00	14.00	0.75	730.00	120.00
Work days needed	227	-	1,292	89	-	-		35		1	h.	-
Available work days per year	227	227	227	227	227	227	227	227	227	227	227	227
Total Estimated jobs created	1.0	-	5.7	0.4				0.2				-
ETG Positions	1.0	-	-	-		<u> </u>		0.2		0.0		
ETG Audit Contractor	-	-	-	· · · · · ·								
Contractor Positions	-	-	5.7	0.4	-	-		0.2		0.0		-

Total Estimated Jobs Created:	
ETG Jobs	1.0
ETG Direct Contractor Jobs	-
Contractor Jobs	6.2
Total Estimated Jobs Created	7.2