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May 31, 2012

### VIA HAND DELIVERY

Ms. Ann Cole, Clerk Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, FL 32399-0850 RECEIVED-FPSC 12 MAY 31 PM 2: 51 COMMISSION

Re: Docket No. 120036-GU - Joint petition for approval of Gas Reliability Infrastructure Program (GRIP) by Florida Public Utilities Company and the Florida Division of Chesapeake Utilities Corporation.

Dear Ms. Cole:

Enclosed for filing in the referenced docket, please find the original and seven (7) copies Florida Public Utilities Company's and the Florida Division of Chesapeake Utilities Corporation's responses to Staff's First Data Requests.

Thank you for your assistance with this filing. As always, please don't hesitate to let me know if you have any questions whatsoever.

Sincerely,

Beth Keating

Gunster, Yoakley & Stewart, P.A.

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### Staff's First Data Request

Re: Docket No. 120036-GU - Joint petition for approval of Gas Reliability Infrastructure Program (GRIP) by Florida Public Utilities Company and the Florida Division of Chesapeake Utilities Corporation.

1. What procedures will FPUC and Chesapeake (the Companies) use to determine the order of replacement of cast iron and bare steel pipelines?

Both companies will determine the priority of qualifying facilities replacement utilizing the Distribution Integrity Management Program and the various elements of the program used to rank risk. These elements include: leakage history, location of facilities (i.e. class location, population density, location of public buildings in relation to pipe segments, etc.), age, operating pressure and input from Subject Matter Experts. Both Companies will also coordinate with roadway improvement projects, if practicable, where qualifying facilities are located to reduce replacement costs.

2. How many leaks, by cause, have occurred in bare unprotected steel and cast iron pipeline, respectively, during the past 10 years (annually for 2002-2011)?

Leaks are categorized by cause not material type. Most corrosion leaks can be attributable to unprotected steel and cast iron. The following corrosion leak history by year is provided for mains and services.

### Chesapeake

	F	olk	Os	ceola	Hills	borough		
	Main	Service	Main	Service	Main	Service		
2002	62	27	5	0	0	1		
2003	41	23	6	0	1	1		
2004	15	6	0	0	0	0		
2005	22	9	3	0	0	0		
2006	24	9	1	0	1	0		
2007	25	8	1	0	0	0		
2008	26	25	0	0	0	1		
2009	18	5	1	1	1	0		
2010	7	3	0	0	0	1		
2011	4	3	1	0	0	0	_	
Main Total	244		18		3		26!	5
Service Total		118		1		4	123	3_

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	F	PUC
	Main	Service
2002	NA	NA
2003	46	181
2004	22	149
2005	42	105
2006	41	120
2007	32	175
2008	65	187
2009	35	161
2010	53	259
2011	72	299
Main Total	408	
Service Total		1636

3. Will the Companies agree to provide quarterly reports to the Commission on the progress of their replacement programs, including: the location of the replacements and whether the location is in a high consequence area; the mileage of pipeline replaced; the type of materials used; and the date the replacement pipeline was put into service?

Yes. The Companies will agree to provide quarterly reports to the Commission on the progress of the GRIP programs, including: the location of the replacements and whether the location is in a high consequence area; the mileage of pipeline replaced; the type of materials used; and the date the replacement pipeline was put into service.

4. Will the Companies use the standard notice of construction to the Commission so that the Commission's engineers can evaluate the construction of the replacement pipeline?

Yes, the Companies will provide the standard notice of construction to the Commission, as required by Commission Rule 25-12.082.

5. What is the current leak history of Chesapeake bare steel surveys?

In 2011, the Company detected and repaired 4 leaks on bare steel mains. There are no outstanding leaks on bare steel at this time.

6. Is the current replacement of the program-eligible infrastructure plan in use by FPUC the approved plan from the 2004 rate case proceeding? If yes, give the miles of program-eligible pipeline replaced from 2004 through 2011; if no, what replacement program has been in use since the 2008 rate case proceeding?

Yes, the bare steel replacement program approved in the 2004 rate case was effective beginning in 2005. The program was modified in 2008, primarily changing the amount of time to replace qualifying mains and services over a remainder of 50 years, and adding steel

tubing to the program. See Attachment 6.1 for details of the miles of main and number of services replaced from 2005 through 2011. See Attachment 6.2 for portions of the final orders summarizing the programs approved in our last two rate proceedings.

7. What type of materials and methods of replacement will be used for the replacement pipeline?

The Companies will primarily use polyethylene to replace the qualifying facilities. Coated steel distribution mains will also be used in limited specific instances to replace qualified mains.

The Companies will primarily use horizontal directional drilling, open trenching and pipe insertion methods for the replacement pipeline. Other technologies may also be evaluated for their use in the replacement process.

### To Chesapeake

8. For the purposes of the following request, please refer to attachment E of the Companies' petition. Please detail by account all investments and their associated depreciation rates for which the Company is seeking recovery under its GRIP.

On Revised Attachment E filed with the original GRIP Petition, the Qualified Investment shown is for mains and services. These are each classified separately for investment and depreciation rates. The replacement mains are recorded in Account 3761 (steel) and 3762 (plastic), each with a depreciation rate of 3.3%. The replacement services are recorded in Account 3802 (plastic) with a depreciation rate of 3.6%. The Company inadvertently filed Attachment E with the depreciation rate for steel services of 3.5%. The investment amount for each is shown on Attachment E, Schedule B filed with the original GRIP Petition. With these responses, CHPK includes a Revised Attachment E, Schedule B and C, reflecting the corrected depreciation rate.

9. Are any depreciation rates shown on Attachment E of the Companies' petition composite rates? If so, please detail how the Company computed any composite rates.

No, the rates are separate for Mains and Services; a composite rate for the two accounts was not used in the GRIP Petition or Attachments.

10. Please identify the Commission order authorizing the depreciation rates contained in question 8 above.

Order No.PSC-08-0364-PAA-GU was the depreciation study order authorizing the depreciation rates used in the GRIP Petition for the Florida Division of Chesapeake Utilities Corporation.

11. Does the Company envision physically removing piping replaced under the GRIP? Will any investment be abandoned in place?

Unless required by the applicable permitting agency, the Company does not plan to physically remove the qualifying facilities replaced under GRIP.

12. Please detail how the Company will record the cost of removal component of the existing pipe being replaced.

Cost of removal of existing qualifying facilities being replaced under GRIP will be recorded to the applicable accumulated depreciation account as incurred. Accumulated depreciation shall be debited in the amount of the cost of removal and Cash shall be credited.

13. How does the Company envision the Commission will verify the actual costs associated with Chesapeake's petition?

The Company believes that the Commission has several methods to verify the actual costs associated with Chesapeake's petition, as follows:

- 1) The Company has agreed to provide quarterly reports to the Commission in response to Question 3 in this data request;
- 2) The Company must maintain all capital records in accordance with Commission Rule 25-7.014, which is always subject to Commission audit;
- 3) Each general rate proceeding provides the Commission with the opportunity to fully audit the records of the GRIP program, including the capital investments; and
- 4) Chesapeake's program prescribed a filing with the Commission every other year. Such filing is subject to Commission audit.

### To FPUC

14. For the purposes of the following request, please refer to attachment D of the Companies' petition. Please detail all investment types and associated depreciation rates for which the Company is seeking recovery of under its GRIP.

On Attachment D, Schedule B filed with the original GRIP Petition, the Qualified Investment shown is for mains and services. These are each classified separately for investment and depreciation rates. The replacement mains are recorded in Account 3761 (plastic) with a depreciation rate of 2.5% (Note: all steel replacement mains would be recorded in Account 3762 with a depreciation rate of 2.8%). The replacement services are recorded in Account 3801 (plastic) with a depreciation rate of 3.4%. The investment amount for each is shown on Attachment D, Schedule B filed with the original GRIP Petition.

15. Are any depreciation rates shown on Attachment D of the Company's petition composite rates? If so, please detail how the Company computed any composite rates.

No, the rates are separate for Mains and Services; a composite rate for the two accounts was not used in the GRIP Petition or Attachments.

16. Please identify the Commission order authorizing the depreciation rates contained in question 14 above.

Order No. PSC-09-0229-PAA-GU was the depreciation study order authorizing the depreciation rates used in the GRIP petition for the FPUC Natural Gas division.

## 17. Does the Company envision physically removing piping replaced under the GRIP? Will any investment be abandoned in place?

Unless required by the applicable permitting agency, the Company does not plan to physically remove the qualifying facilities replaced under GRIP.

# 18. For the purposes of the following request, please refer to page 9-10, paragraph 18 of the Companies' petition. Please detail and provide a sample calculation of how the Company would credit the GRIP mechanism for the amounts currently embedded in base rates.

See the original Petition, Attachment D, Schedule B, page 1 and 2 for the computations of the annual revenue requirement on the FPUC GRIP program for the first two years. Year one GRIP revenue requirement was \$433,108 and year two GRIP revenue requirement was \$1,234,337 or a total for the two years of \$1,667,445. Each year's annual revenue requirement was reduced by the annual amount of bare steel recovery revenue embedded in base rates of \$747,727. The net amount after the reduction of the revenue amount embedded in base rates was \$(314,619) and \$486,610 respectively for each of the annual periods. The total two year amount of GRIP revenue requirement after the reduction of two years bare steel recovery revenue is \$171,991. The annual amount for the first two years is \$85,996, which is one half of \$171,991. The computations can be reviewed in the GRIP original Petition Attachment D, Schedules B and C.

In other words, the annual GRIP revenue requirement is reduced by the amount embedded in base rates. The remaining amount of revenue requirement is then used in the GRIP surcharge computation, thus avoiding duplication of recovery.

	<u>Year One</u>	<u>Year Two</u>	<u>Total</u>
GRIP Revenue Requirement	\$433,108	\$1,234,337	\$1,667,445
Bare Steel Embedded Revenue	<u>\$747,727</u>	<u>\$ 747,727</u>	<u>\$1,495,454</u>
Net GRIP Revenue Requirement	(\$314,619)	\$ 486,610	\$ 171,991

The Company shall modify the existing accounting for the existing bare steel replacement program. Currently, revenues are debited by the \$747,727 and plant is credited by the same amount. Under the GRIP program, revenues would continue to be debited by \$747,727 and the GRIP true-up account would be credited by the same amount.

## 19. Please detail how the Company will record the cost of removal component of the existing pipe being replaced.

Cost of removal of existing qualifying facilities being replaced under GRIP will be recorded to the applicable accumulated depreciation account as incurred. Accumulated depreciation shall be debited in the amount of the cost of removal and Cash shall be credited.

## 20. How does the Company envision the Commission will verify the actual costs associated with FPUC's petition?

The Company believes that the Commission has several methods to verify the actual costs associated with FPUC's petition, as follows:

- 1) The Company has agreed to provide quarterly reports to the Commission in response to Question 3 in this data request;
- 2) The Company must maintain all capital records in accordance with Commission Rule 25-7.014, which is always subject to Commission audit;
- 3) Each general rate proceeding provides the Commission with the opportunity to fully audit the records of the GRIP program, including the capital investments; and
- 4) FPUC's program prescribed a filing with the Commission every other year. Such filing is subject to Commission audit.

# 21. Please refer to the Companies' Integrity Management Plan, which is identified as Attachment A of the petition. How can the FPUC data presented in the Integrity Management Plan be distinguished from the Chesapeake data?

The Chesapeake data, also referred to in other filings and data as Central Florida Gas (CFG) or the Florida Division of Chesapeake Utilities Corporation, is identified as the West Florida division in the Integrity Management Plan. All other divisions are FPUC data. The Company also maintains separate records in is Accounting Systems for FPUC and Chesapeake. The 2011 DIMP report is provided as Attachment 21.1.

22. Please refer to the petition, page 3, where the petition states that the amended Federal Pipeline Safety Regulations, which became effective February 12, 2010, "emphasized the need for enhanced bare steel replacement." Please provide the specific rule language and citations supporting this statement.

The specific rule language and citations that support the statement "emphasized the need for enhanced bare steel replacement" are as follows: Section 192.007 (a) states that "An operator must demonstrate an understanding of its gas distribution system developed from reasonably available information." Subpart (1) goes on to say "Identify the characteristics of the pipeline's design and operations and the environmental factors that are necessary to assess the applicable threats and risks to its gas distribution pipeline." While the Company recognizes that this does not specifically say that cast iron and bare steel are higher risks, an appropriate evaluation in response to this requirement reveals that due to the age, leak history, soil conditions and other pertinent criteria, cast iron and bare steel mains and services rank highest in "threats and risks to its gas distribution pipeline."

23. Please refer to Page 4, section 6 of the petition. What is the status of the Advanced Notice of Proposed Rulemaking of August 25, 2011?

The Company believes that the Advanced Notice of Proposed Rulemaking of August 25, 2011 has not yet been finalized. The comment period, originally scheduled to end on December 2, 2011, was extended to January 20, 2012. Therefore, the comment period has been concluded and it appears that the Department of Transportation/Pipeline and

Hazardous Material Safety Administration is now reviewing the extensive comments received and are developing the specific final language for this rulemaking.

24. Please refer to Page 4, section 6 of the petition. Specifically, how does the Advanced Notice of Proposed Rulemaking of August 25, 2011, by the Department of Transportation/Pipeline and Hazardous Material Safety Administration bear on the importance of enhanced bare steel replacement for FPUC and Chesapeake?

The Company acknowledges that the Advanced Notice of Proposed Rulemaking of August 25, 2011 specifically relates to "transmission pipelines." A major section of the proposed rulemaking covers corrosion control requirements for bare and coated steel pipelines. Chesapeake has "transmission pipelines" in its distribution system; therefore, it would be affected by this rulemaking. However, this rulemaking would not directly affect the enhanced bare steel replacement programs for FPUC and Chesapeake, as these types of materials only exist in its "distribution pipeline" systems. It is important to note that these type of regulations can and often do begin with "transmission pipelines" and then evolve to "distribution pipelines" as was the case with the Distribution Integrity Management Program (see Question 22 above) which said, according to the language in the Final rule, "Existing integrity management regulations cover operators of hazardous liquid pipelines and gas transmission pipelines." The Company, therefore, believes that it is reasonable that this proposed rulemaking of August 25, 2011 will soon be following by proposed rulemaking enhancing the requirements for "distribution pipelines" which would directly affect the enhanced bare steel replacement program.

25. Please reference the Integrity Management Plan, Appendix D, page 102, and the petition, pages 10 and 11, section 20. For FPUC and Chesapeake individually, explain in detail how their proposed replacement program prioritizes the replacement schedule for cast iron pipe and bare steel pipe (No CP) based on highest risk areas/segments, and which criteria were used to prioritize facility replacements.

Both companies will determine the priority of qualifying facilities replacement utilizing the Distribution Integrity Management Program and the various elements of the program used to rank risk. These elements include: leakage history, location of facilities (i.e. class location, population density, location of public buildings in relation to pipe segments, etc.), age, operating pressure and input from Subject Matter Experts. Both Companies will also coordinate with roadway improvement projects, if practicable, where qualifying facilities are located to reduce replacement costs.

26. Please explain how FPUC's and Chesapeake's replacement plans were developed and ultimately approved by company management, including the timeline, actions taken, and individuals responsible.

The FPUC and Chesapeake replacement plans were developed based on the recently developed DIMP plan combined with the best estimate of how quickly the Companies could replace their respective qualifying facilities without reducing the level of service provided to customers. Each company was also cognizant of the rate impact to customers and determined that a 10-year plan would not be burdensome to customers, especially with the historically low

commodity costs currently forecast for the same period. The plan was developed and approved by the Florida senior management team, subject to approval by the Commission.

27. Will the diameter of the new pipes installed under the GRIP be the same diameter of the replaced bare steel pipes? If not, please explain why.

In general, the new pipes installed under the GRIP will be the same diameter of the replaced bare steel pipes. Some sizes of existing bare steel pipe are nonstandard and no longer used. In these cases the most comparable standard size will be used for replacement. Also, if a section of bare steel pipe to be replaced is known to be inadequate to effectively supply the customers served by it, necessary design corrections will be made.

28. Please refer to Page 8 of the petition, section 14, which details how the Commission approved a 50 year replacement period and related amortization of bare steel pipeline for FPUC in its 2008 rate case. For purposes of the petition, how did FPUC and Chesapeake determine that 10 years was the appropriate period to replace all of their cast iron and bare steel pipeline facilities?

Since the most recent rate proceeding which set the 50 year replacement period for FPUC, the Company is experiencing increasing pressure from rule makers and regulators regarding the period of time to replace the cast iron and bare steel pipeline facilities. The GRIP petition further details those rules and outside factors that have prompted FPUC's request to reduce the period of time.

The FPUC replacement plan was developed based on the recently developed DIMP plan combined with the best estimate of how quickly the Company could replace its qualifying facilities without reducing the level of service provided to customers. The Company was also cognizant of the rate impact to customers and determined that a 10-year plan would not be burdensome to customers, especially with the historically low commodity costs currently forecast for the same period. The plan was developed and approved by the Florida senior management team, subject to approval by the Commission.

29. What were FPUC's and Chesapeake's annual bare steel and steel tubing replacement miles (by mains and services), primary replacement locations (e.g. West Palm Beach, Broward County, etc.), and installation capital costs and expense from 2005 through 2011?

See Attachment 6.1 for the FPUC information requested. The South Florida installations were in Palm Beach County. The Central Florida installations were in primarily Volusia and Seminole counties.

The Chesapeake bare steel replacement costs for mains and services are not tracked by type of replacement; however, the miles of main and number of services removed is tracked. See the table below for the requested information. See attachment 29.1 for mains and services installation costs for Chesapeake. Chesapeake's bare steel mains removed were primarily in Polk County with minimal footage removed from St. Cloud system in Osceola County.

			· · · · · · · · · · · · · · · · · · ·
Year	Bare Steel Main Remove	ed (miles)	Bare Steel Service Removed (number)

2005	.217	29
2006	2.838	23
2007	.903	75
2008	.594	48
2009	1.103	34
2010	.269	9
2011	.631	5

## 30. What were the selection criteria used to determine which of the companies' specific bare steel pipeline and steel tubing would be replaced from 2005 through 2011 for FPUC and Chesapeake?

#### **FPUC**

Leakage history was the primary selection criteria FPUC used to determine which specific bare steel pipeline and steel tubing would be replaced from 2005 through 2011. Sections of bare steel pipe and steel tubing which had the worst leak history received highest priority for replacement. Also, bare steel pipe and steel tubing located where known roadway improvement projects were occurring was removed in an effort to reduce the cost of replacement.

### Chesapeake

Leak history, location (under pavement, back alleys, population density), and roadway improvement projects were the selection criteria used to determine what would be replaced during the 2005 through 2011 period.

31. Please refer to Page 7 of the petition. What is the specific content and dates for the GRIP filings the Companies contemplate in the review and approval of proposed GRIP surcharges? Provide copies of the format of such forms if available.

The Company would propose that it will consult with Staff to develop the appropriate content and dates for the GRIP filings for review and approval of the proposed surcharges. As a starting point, the Company believes that the information contained in Attachments D and E, Schedule B is the appropriate type of information that would be provided. The Company has proposed an initial two-year surcharge period beginning July 1, 2012 through June 30, 2014. If this time line is approved, then the Company would propose (but is prepared to consult with Staff) that future two-year surcharge petitions would be filed by March 31, utilizing actual data through the end of the previous calendar year and projected data through June 30<sup>th</sup> of the current year. True-ups would be calculated using the same methodology of the PGA and ECCR programs.

32. Chesapeake only. Please refer to the petition, page 11, section 20. Please provide support for the assumption that the per unit costs of Chesapeake's eligible replacement mains and services are the same as FPUC's initial surcharge calculations.

As stated in the question, this is only an assumption at this time. Chesapeake and FPUC would contemplate issuing a joint Request-for-Proposal for contractors to perform the

anticipated replacement of eligible replacement mains and services. The Company believes that the same contractors would be used for both Chesapeake and FPUC; therefore, the installation costs (and material costs) should be similar. Based on this assumption, the Company has projected the same per unit costs for Chesapeake as it has used for FPUC. It is important to note that the "true-up" mechanism will provide adequate protection to both customers and the Company to ensure that only the actual replacement costs will be utilized in the proposed GRIP surcharge mechanism.

33. What specific process does FPUC and Chesapeake propose in submitting its GRIP rate requests (e.g. evidentiary hearing held in conjunction with the fuel clause and other clauses, limited proceeding, proposed tariffs, etc.) and why are the Companies proposing that process?

The Company would propose that it will consult with Staff to develop the appropriate content and dates for the GRIP filings for review and approval of the proposed surcharges. As a starting point, the Company believes that the information contained in Attachments D and E, Schedule B is the appropriate type of information that would be provided. The Company has proposed an initial two-year surcharge period beginning July 1, 2012 through June 30, 2014. If this time line is approved, then the Company would propose (but is prepared to consult with Staff) that future two-year surcharge petitions would be filed by March 31, utilizing actual data through the end of the previous calendar year and projected data through June 30<sup>th</sup> of the current year. True-ups would be calculated using the same methodology of the PGA and ECCR programs.

The Company is proposing this process since it will allow review of actual costs, provide for a true up mechanism for variances between estimates and actual, and is a process that is similar to those in place for the PGA and ECCR programs.

34. What are FPUC's and Chesapeake's estimated GRIP factors per therm for their respective GRIP programs for the period July 1, 2014, through June 30, 2022, assuming a rate case is not concluded before then? Please include calculations used in the development of the factors, including revenue requirements by class and therm usage by class.

See Revised Attachments D and E, Schedules C.

35. What is FPUC's and Chesapeake's estimated average annual customer rate impact of GRIP for each customer class for 2012 through 2022? Please show calculations.

See Revised Attachments D and E, Schedules C.

36. What is Chesapeake's estimated annual customer rate impact of GRIP based on the FTS-A, FTS-B, and FTS-1 rate schedules for 2012 through 2022? Please show calculations.

See Revised Attachment E, Schedule C.

## 37. What are the actual costs to serve Chesapeake's customers under each of the following rate schedules: FTS-A, FTS-B, and FTS-1?

See Revised Attachment E, Schedule C. The column labeled "GRIP Rev Req" is the projected costs to serve Chesapeake's customers under the GRIP program for all rate classifications, including FTS-A, FTS-B and FTS-1.

### 38. Please explain when the GRIP surcharge would terminate.

During the ten (10) year period proposed by the Company, the existing GRIP surcharges would cease to be applicable at the conclusion of each general rate proceeding, assuming that the capital costs associated with the GRIP programs are included in rate base. The Company, as part of the general rate proceeding, would also project (as it has in the instant filing) the capital costs from the expected effective date of general rate proceeding through the next June 30<sup>th</sup> and propose GRIP surcharges which would become effective concurrently with the base rates approved in the general rate proceeding. At the end of the projected test year used in the general rate proceeding, a revised true up amount would be included in the following two year GRIP surcharge rate establishment.

The permanent termination of the GRIP surcharge would occur after all qualifying facilities have been replaced and after the conclusion of a general rate proceeding that included all capital costs associated with the GRIP program in rate base.

39. Please refer to the petition, page 6, section 11. The petition states that the requested programs' revenue requirements include a return on investment calculated using the equity and debt components of the weighted average cost of capital from each Company's respective prior rate case. Would each Company's most recent actual weighted average cost of capital per the companies' March 30, 2012, earnings surveillance reports more accurately reflect the GRIPs' revenue requirements than the weighted average cost of capital from each company's last rate cases?

The Company does not oppose the conclusions of the question. It must be noted, however, that while FPUC files quarterly earnings surveillance reports, Chesapeake is only required to file these same reports semi-annually. As of the date of this response, the most recent FPUC earnings surveillance report filed with the Commission is the December 31, 2011 report. FPUC has requested, and has received approval, an extension for filing the March 31, 2012 report until June 30, 2012.

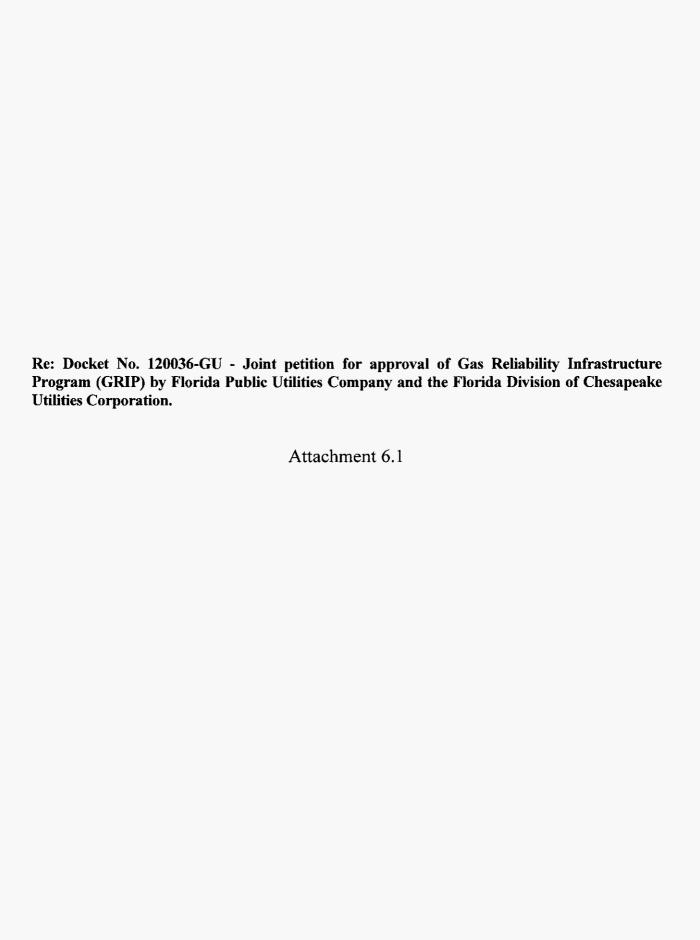
40. Would the Companies agree to use the most recent actual weighted cost of capital reflected in the Companies' March 30, 2012 earnings surveillance reports as opposed to the weighted average cost of capital from the companies' last rate cases?

Yes, the Company would agree to use the most recent actual weighted cost of capital, as reflected in FPUC's (December 31, 2011) and Chesapeake's (December 31, 2011) most recently filed earnings surveillance reports.

41. Please provide revised Attachments D, E, and F of the petition reflecting the most recent weighted average cost of capital, including the allowed return on equity from

each Company's last rate case, reflected in the Companies' March 30, 2012 earnings surveillance reports.

See Attachments G, H and I, reflecting the weighted average cost of capital in FPUC's and Chesapeake's December 31, 2011 earnings surveillance reports.



### FLORIDA PUBLIC UTILITIES COMPANY Bare Steel and Tubing Replacement Program

Summary of Annual Replacements 2005 - 2008

	 <del></del>	So	uth	Florida					
	 Mains		Services						
	 Amount	Feet		Amount	Feet	Number			
2005	\$ 239,423	7,177	\$	1,368	1,820	28			
2006	\$ 288,274	2,027	\$	(1,984)	1,625	25			
2007	\$ 350,157	14,632	\$	114,268	7,410	114			
2008	\$ 251,062	12,284	\$	141,839	11,375	175			
	\$ 1,128,916	36,120	\$	255,491	22,230	342			

#### Mains Services Number Amount Feet **Amount** Feet 6,836 86,388 1,050 \$ 130 2 2005 \$ \$ 1,300 20 380,986 25,263 86,143 2006 \$ 2,340 36 2007 \$ 296,828 26,177 \$ 36,578 37 \$ 51,231 2,405

136,014 11,271

900,216 63,761 \$ 180,788

2008 \$

Central Florida

	Mains		Services						
	 Amount	Feet		Amount	Feet	Number			
2005	\$ 325,811	8,227	\$	8,204	1,950	30			
2006	\$ 669,260	27,290	\$	84,159	2,925	45			
2007	\$ 646,985	40,809	\$	150,846	9,750	150			
2008	\$ 387,076	23,555	\$	193,070	13,780	212			
	\$ 2,029,132	99,881	\$	436,279	28,405	437			

Total - Consolidated Natural Gas Divisions

Total Expenditures 2005 - 2008 \$ 2,465,411 2,265,232 Total Amortized 2005 - 2008 @ \$566,308 per Year \_\$

6,175

95

### FLORIDA PUBLIC UTILITIES COMPANY

## Bare Steel and Tubing Replacement Program Summary of Annual Expenditures 2005 - 2008

Π		Sout	h Flo	rida			Central Florida				Total - Consolidated Natural Gas Divisions								
	Mains Services					Mains Services				Mains Services			ices						
	Amount	Feet		Amount	Feet	Number		Amount	Feet	Amount	Feet	Number		Amount	Feet		Amount	Feet	Number
s	239,423	7.177	\$	1.368	1.820	28	\$	86,388	1,050	6,836	130	2	\$	325,811	8,227	\$	8,204	1,950	30
\$	288,274	2,027	\$	(1,984)	1,625	25	\$	380,986	25,263	86,143	1,300	20	\$	669,260	27,290	\$	84,159	2,925	45
\$	350,157	14,632	\$	114,268	7,410	114	\$	296,828	26,177	36,578	2,340	36	\$	646,985	40,809	\$	150,846	9,750	150
\$	251,062	12,284	\$	141,839	11,375	175	\$	136,014	11,271	51,231	2,405	37	\$	387,076	23,555	\$	193,070	13,780	212
\$	1.128.916	36,120	\$	255,491	22.230	342	\$	900,216	63,761	\$ 180,788	6,175	95	\$	2,029,132	99,881	\$	436,279	28,405	437

Total Expenditures 2005 - 2008 \$ 2,465,411

Total Amortized 2005 - 2008 @ \$566,308 per Year \$ 2,265,232

P:Uppartments & Divisions/Florida Regulatory/Bare steel/Annual Bare Steel Report to FPSC/BARE STEEL 2005-2008 091809, ANNUAL SUMMARY

### Florida Public Utilities Company SUMMARY OF BARE STEEL REPLACEMENT PROGRAM ACTIVITY

ENDING DECEMBER 31, 2008

	SPECFICS	BLANKETS	EXPENDITURES	AMOUNT AMORTIZED (\$141,577) per Quarter	PERIOD OVER/(UNMDER) SPENT VS. AMORT. AMOUNT	CUMULATIVE OVER/(UNMDER) FROM AMORT. AMOUNT
SOUTH FLORIDA						
2004	15,305	-	15,305			
2005	203,937	21,549	225,486			
2006	229,907	56,384	286,290			
2007	427,523	36,902	464,425			
Thru December 2008	321,560	71,341	392,901			
TOTAL	1,198,232	186,175	1,384,407		ļ	
CENTRAL FLORIDA						
2004	784	-	784			
2005	81,563	10,877	92,440			
2006	375,898	91,231	467,129			
2007	292,434	40,972	333,406			
Thru December 2008	175,592	11,652	187,245			
TOTAL	926,272	154,732	1,081,004			
COMBINED						
2004	16,089	-	16,089	-	16,089	16,089
2005	285,500	32,426	317,926	(566,308)	(248,382)	(232,293
2006	605,805	147,615	753,419	(566,308)	187,111	(45,182
2007	719,957	77,874	797,831	(566,308)	231,523	186,341
Thru December 2008	497,153	82,993	580,146	(566,308)	13,838	200,179
TOTAL	2,124,503	340,908	2,465,411	(2,265,232)	200,179	4
					200,179	

### FLORIDA PUBLIC UTILITIES COMPANY

Annual Summary of Annual Replacements
Prepared for Division of Economic Regulation
Order No. PSC-09-0375-PAA-GU
Docket No. 080366-GU

### 2009

	 Mair	15	T	Services					
	Amount	Feet		Amount	Feet	Number			
South Florida	\$ 152,859	18,325	\$	12,038	2,340	36			
Central Florida	\$ 37,143	737	\$_	56,834	1,690	26			
Consolidated	\$ 190,002	19,062	\$	68,872	4,030	62			

Total Expenditures 2009 \$ 258,874

### 2009 AMORTIZATION

5 Months @ \$566,308 Annually \$ 235,962 7 Months @ \$747,727 Annually \$ 436,174

Total Amortized 2009 \$ 672,136

### PROGRAM SUMMARY SINCE INCEPTION

Total Amortization 2005 - 2008: Previously Filed \$ 2,265,232

Amortization this Year \$ 672,136

Total \$ 2,937,368

## BARE STEEL AND TUBING REPLACEMENT PROGRAM Summary by Division, Specifics/Blankets, and Type/Size

### From Inception Through December 2009

IR NUMBER	FERC	G/L	121	123	TOTAL
OVER/(UND	ER) SPENT	THROUGH E	ECEMBER 2008		200,179.22
TOTAL EXPEN	IDITURES TI	IIS YEAR:			
000008	3761	376112	6,428.00	1,179.00	7,607.00
		376120	46,609.18	107.00	46,716.18
		376140	12,653.06		12,653.06
		376160	737.00		737.00
	3761 Total		66,427.24	1,286,00	67,713.24
	3762	376220	577.00	(380.00)	197.00
	5.52	376240	(921.00)	(222.22)	(921.00)
		376260	(99.00)		(99.00)
	3762 Total	<u> </u>	(443.00)	(380.00)	(823.00
	0004	000405	400.00	4.020.40	5,419.10
	3801	380105	499.00	4,920.10	•
		380107	12,042.59	32,477.30	44,519.89
		380110	400.00	(105.00)	(105.00)
		380112	130.00	(772.00)	(642.00)
		380120	(650.00)		(650.00)
	**************************************	380140	(311.00)	35,520.40	(311.00) 48,230.99
	3801 Total		11,710.59		
	382	382		(53.00)	(53.00)
	382 Total			(53.00)	(53.00)
	384	384		(3.00)	(3.00)
	384 Total			(3.00)	(3.00)
000008 Total			77,694.83	37,370.40	115,065.23
28NNN	3761	376105		(246.00)	(246.00)
ZOININ	3/01	376112	59.00	520.00	579.00
			43,569.31	36,340.05	79,909.36
		376120	•	267.00	44,493.95
	3761 Total	376140	44,226,95 87,855,26	36,881.05	124,736.31
	<del></del>			30,001,00	
	3762	376212	485.00		485.00
		376220		(644.00)	(644.00)
		376240	(1,159.00)	-	(1,159.00)
		376260	(307.00)		(307.00)
	3762 Total		(981.00)	(644.00)	(1,625.00)
	3801	380105	(2,019.00)	372.00	(1,647.00)
	555.	380107	32,989.00	20,302.05	53,291.05
		380112	1,201.25	(281.00)	920.25
		380120	(334.00)	(23.00)	(357.00)
	3801 Total	000120	31,837,25	20,370.05	52,207.30
		000	(24.444.00)		(31,414.00)
	382 382 Total	382	(31,414.00)		(31,414.00)
		204			(96.00)
	384 382 Total	384	(96.00)		(96.00)
*******	Joz Total			56.607.40	
28NNN Total			87,201.51	56,607.10	143,808.61
otal Expendit	tures This Ye	ar	164,896.34	93,977.50	258,873.84
Contributions	This Year				672,135.71
OVER/(UNDER		S YEAR		шин	(413,261.87)
(	ny 1000 mai 4 a 1 a 1 a 1	- 1 - 1 1 1		Management of the Control of the Con	4,41
OVER / (UNI	DER) SINCI	<b>EINCEPTION</b>		<u> </u>	(213,082.65)
· · · · · · · · · · · · · · · · · · ·					

# Bare Steel & Tubing Replacement Program Services Installed - 65 Feet Per Installation Bare Steet Replacement Only - Tubing not included in Program until June 2009

Year	Division	SERVICES 1/2" PE	SERVICES 3/4" PE	SERVICES 1 1/4" PE	SERVICES 2" PE	SERVICES TOTAL
11/14/2004 - 12/31/2004						
	South Florida	0	0	0	0	0
	Central Florida	1	0	0	0	1
2005						
	South Florida	6	20	2	0	28
	Central Florida	0	1	0	0	1
2006						
	South Florida	5	19	1	0	25
	Central Florida	2	17	1	0	20
2007						·
	South Florida	8	106	0	0	114
	Central Florida	20	16	0	0	36
2008						:
	South Florida	7	162	6	0	175
	Central Florida	22	15	0	0	37
TOTAL	South Florida	26	307	9	0	342
	Central Florida	45	49	1	0	95
GRAND TO	TAL	71	356	10	0	437

# Bare Steel & Tubing Replacement Program Main Installed Bare Steet Replacement Only - Tubing not included in Program until June 2009

Үеаг	Division	MAIN 1 1/4" PE	MAIN 2" PE	MAIN 4" PE	MAIN 6" PE	MAIN 6" Steel	MAIN TOTAL
11/14/2004 12/31/2004							
	South Florida	0	0	0	0	0	0
	Central Florida	0	0	0	0	0	0
2005							
	South Florida	697	4,983	0	615	882	7,177
	Central Florida	1,845	0	0	0	0	1,845
2006							
	South Florida	87	1,534	10	396	0	2,027
	Central Florida	12,274	10,317	0	0	0	22,591
2007							
	South Florida	7,041	3,046	4,545	0	0	14,632
	Central Florida	7,389	5,397	12,974	0	0	25,760
2008							
	South Florida	5,437	3,086	3,761	0	0	12,284
	Central Florida	5,798	5,493	0	00	00	11,291
TOTAL	South Florida	13,262	12,649	8,316	1,011	882	36,120
	Central Florida	27,306	21,207	12,974	O	0	61,487
GRAND TO	ITAL	40,568	33,856	21,290	1,011	882	97,607

### FLORIDA PUBLIC UTILITIES COMPANY

Annual Summary of Annual Replacements
Prepared for Division of Economic Regulation
Order No. PSC-09-0375-PAA-GU
Docket No. 080366-GU

### 2010

South Florida Central Florida Consolidated

 Mair	18	Services			
 Amount	Feet		Amount	Feet	Number
\$ 175,701	3.416	\$	42,452	2,015	31
\$ 252,242	10,670	\$	104,439	4,420	68
\$ 427,943	14,086	\$	146,892	6,435	99

Total Expenditures 2010 \$ 574,835

2010 AMORTIZATION

\$ 732,772 Total Amortized 2010 \$ 732,772

### **PROGRAM SUMMARY SINCE INCEPTION**

# BARE STEEL AND TUBING REPLACEMENT PROGRAM 2010 Summary by Division, Specifics/Blankets, and Type/Size From Inception Through December 2010 (Revised2)

IR NUMBER	FERC	G/L	121	123	TOTAL
OVER/(UNDE	R) SPENT	THROUGH	DECEMBER 2009		(213,082.65
TOTAL EXPEND	ITURES TH	IIS YEAR:			
Blankets	3761	FN1170	-		-
		FN1171	2,492.50		2,492.50
		FN1172	13,025.10	1,046.38	14,071.48
		FN1173	2,499.42	117.40	2,616.82
		FN1174			
3	761 Total		18,017.02	1,163.78	19,180.80
-	3801	FN1180	1,064.52	792.59	1,857.11
		FN1181	31,920.39	99,527.92	131,448.31
		FN1182	1,623.36	4,118.95	5,742,31
		FN1184	930.68	•	930.68
		FN1185	-	•	-
3	801 Total		35,538.95	104,439.46	139,978.41
Blankets Total			53,555.97	105,603.24	159,159.21
Specific	3761	FN1170	•	-	•
•		FN1171	2,606.00		2,606.00
		FN1172	19,385.19	182,712.01	202,097.20
		FN1173	92,568.61	63,109.72	155,678.33
		FN1174	43,124.49	5,256.65	48,381.14
3	761 Total		157,684.29	251,078,38	408,762.67
	3801	FN1180	-	-	
	554.	FN1181	324.42		324.42
		FN1182	6,588.79	_	6,588.79
		FN1184	0,000.10		5,5555
		FN1185	<u>.</u>	_	-
3	801 Total		6,913.21		6,913.21
Specific Total			164,597.50	251,078.38	415,675.88
Total Expenditu	res This Ye	ar	218,153.47	356,681.62	574,835.09
	, a qualification of the contract of the contr	The second secon			732,772.00
Contributions T				X-1171	
OVER/(UNDER)	SPENT TH	S YEAR			(157,936.91)
OVER / (UND	ER) SINCE	E INCEPTION	١		(371,019.56)

## Florida Public Utilities BARE STEEL AND TUBING REPLACEMENT PROGRAM 2011 Summary by Division, Specifics/Blankets, and Type/Size

### From Inception Through December 2011

IR NUMBER	FERC	G/L	121	123	TOTAL
OVER/(UND	ER) SPENT	THROUGH	DECEMBER 2010		(371,019.56
TOTAL EXPEN	IDITURES TH	IS YEAR:			
Blankets	3761	FN1170	•	•	-
		FN1171	•	-	
		FN1172	1,870.37	•	1,870.37
		FN1173	-	•	•
		FN1174			1,870.3
	3761 Total		1,870.37		1,870.3
	3801	FN1081	1,909.60		1,909.60
		FN1180	•	6,473.94	6,473.94
		FN1181	1,661.60	121,233.32	122,894.92
		FN1182	-	6,082.36	6,082.36
		FN1184	-		
		FN1185	<u>-</u>	•	-
	3801 Total		3,571.20	133,789.62	137,360.8
Blankets Total			5,441.57	133,789.62	139,231.1
	3761	FN1072	6,429,10	32,199,25	38,628.3
Specific	3/01	FN1073	0,423.10	8,745.88	8,745.8
		FN1170	_	-	
		FN1171	3,309.36		3,309.30
		FN1172	344,039.06		344,039.0
		FN1173	45,963.94	52,010.55	97,974.4
		FN1174	667,989.89	•	667,989.8
	3761 Total		1,067,731.35	92,955.68	1,160,687.0
	3801	FN1180	-	•	•
		FN1181	-	•	•
		FN1182	-	•	
		FN1184	•	•	
	3801 Total	FN1185	-	-	-
Specific Total			1,067,731.35	92,955.68	1,160,687.00
гotal Expendi	tures This Ye	ar	1,073,172,92	226,745.30	1,299,918.22
Contributions	<del></del>				747,727.08
OVER/(UNDEF	R) SPENT TH	IS YEAR		***************************************	552,191.14
OVER / (LINI	DER) SINCI	E INCEPTIO	N		181,171.58

### FLORIDA PUBLIC UTILITIES COMPANY

Annual Summary of Annual Replacements Prepared for Division of Economic Regulation Order No. PSC-09-0375-PAA-GU Docket No. 080366-GU

### 2011

South Florida
Central Florida
Consolidated

 Mains	;	Services					
Amount Feet		1	Amount	Feet	Number		
\$ 1,069,602	12,082	\$	3,571	-	13		
\$ 92,956	8,779	\$	133,790	-	53		
\$ 1,162,557	20,861	\$	137,361	-	66		

Total Expenditures 2011 \$ 1,299,918

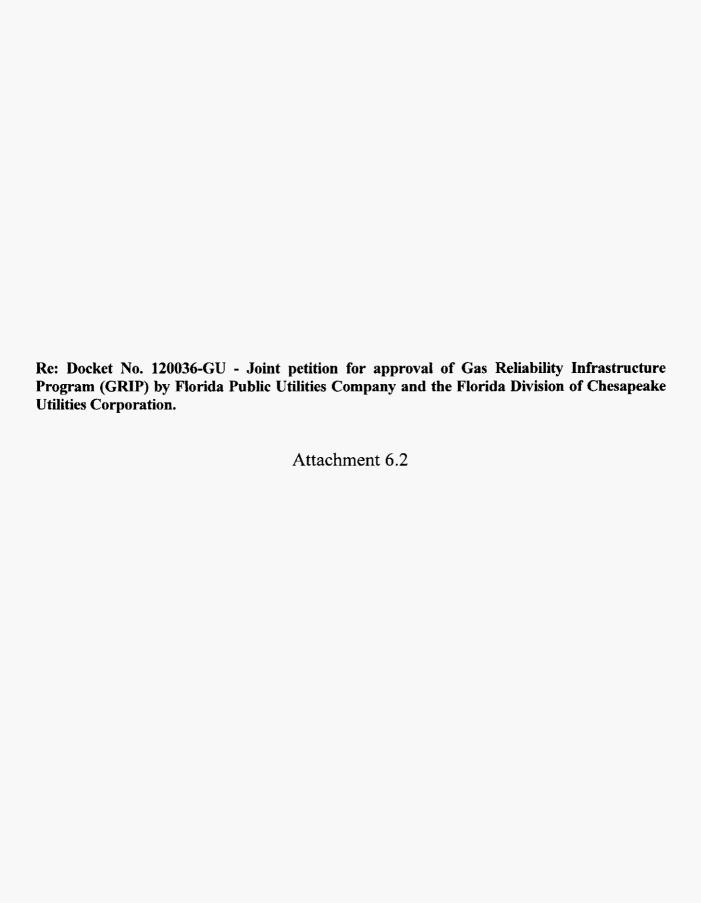
### **2011 AMORTIZATION**

\$ 747,727 Total Amortized 2011 \$ 747,727

### PROGRAM SUMMARY SINCE INCEPTION

Total Expenditures 2005 - 2011: Previously Filed	\$ 3,299,120
Expenditures this Year	\$ 1,299,918
Total	\$ 4,599,038

Total Amortization 2005 - 2011: Previously Filed	\$ 3,670,140
Amortization this Year	\$ 747,727
Total	\$ 4,417,867



COMPANY'S RESPONSES TO STAFF'S FIRST DATA REQUEST DOCKET #120036-GU GAS RELIABILITY INFRASTRUCTURE PROGRAM (GRIP) BY FPUC & THE FL. DIV, OF CHESAPEAKE UTILITIES CORP. ATTACHMENT 6.2

### BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition for rate increase by Florida DOCKET NO. 080366-GU Public Utilities Company.

ORDER NO. PSC-09-0375-

DOCKET NO. 080366-GU ORDER NO. PSC-09-0375-PAA-GU ISSUED: May 27, 2009

The following Commissioners participated in the disposition of this matter:

MATTHEW M. CARTER II, Chairman LISA POLAK EDGAR KATRINA J. McMURRIAN NANCY ARGENZIANO NATHAN A. SKOP

## NOTICE OF PROPOSED AGENCY ACTION ORDER APPROVING IN PART A GAS RATE INCREASE AND

REQUIRING ADDITIONAL FILINGS AND HOLDING REVENUES SUBJECT TO REFUND IN THE EVENT THE PLANNED MERGER IS CONSUMMATED

BY THE COMMISSION:

NOTICE is hereby given by the Florida Public Service Commission that the action discussed herein is preliminary in nature and will become final unless a person whose interests are substantially affected files a petition for a formal proceeding, pursuant to Rule 25-22.029, Florida Administrative Code (F.A.C.).

### I. BACKGROUND

This proceeding commenced on December 17, 2008, with the filing of a petition for a permanent rate increase by Florida Public Utilities Company (FPUC or Company). The Company is engaged in business as a public utility providing distribution and transportation of gas as defined in Section 366.02, Florida Statutes (F.S.), and is subject to our jurisdiction. FPUC serves gas customers through two divisions: the Central Florida Division, consisting of portions of Seminole, Marion and Volusia Counties; and the South Florida Division, consisting of portions of Palm Beach, Broward and Martin Counties. Together, FPUC provides service to over 51,000 residential and commercial customers.

FPUC requested an increase in its retail rates and charges to generate \$9,917,690 in additional gross annual revenues. This increase would allow the Company to earn an overall rate of return of 8.74 percent or an 11.75 percent ROE (range 10.75 percent to 12.75 percent). The Company based its request on a projected test year ending December 31, 2009. In its petition, FPUC stated that this test year is the appropriate period to be utilized because it best represents expected future operations for use in analyzing the request for rate relief. FPUC has elected to

OCCUMENT NUMBER-DATE

05255 MAY 27 8

FPSC-COMMISSION CLERK

ORDER NO. PSC-09-0375-PAA-GU DOCKET NO. 080366-GU PAGE 4

In further investigation of quality of service, our staff analyzed all complaints taken by our Division of Service, Safety, and Consumer Assistance for the calendar year 2008. There were a total of 40 complaints, 30 involving billing complaints, and 10 involving service. All but three complaints were resolved in a timely manner. The number of complaints per customer compares favorably with other large Florida natural gas utilities. Also, we note that FPUC has not experienced an outage that falls under the reporting requirements of our Bureau of Safety since its last rate case, in 2004.

Considering all of the above, we find that FPUC's quality of service is satisfactory.

### IV. RATE BASE

### A. Allocations Attributable to Non-Regulated Business and Common Plant

The Company reviews its individual plant accounts each year to determine the appropriate allocations for non-regulated business and common plant. The Company's projected 2009 test year Minimum Filing Requirements (MFRs) data for plant in service, accumulated depreciation reserve, and depreciation expense were prepared using the 2008 allocation factors for non-regulated business and common plant. The 2009 allocation factors were not available at the time of filing.

The Company provided the 2009 allocation factors in response to our staff's data request. To reflect the 2009 allocation factors, plant in service and accumulated depreciation reserve shall be increased by \$81,565 and \$79,623, respectively. Also, depreciation expense shall be increased by \$17,740.

### B. Allocation of Common Electronic Data Processing (EDP) Equipment

In Audit Finding No. 12, our staff auditors found that there was an error in the allocation of common EDP equipment. As a result, the allocations to the electric and natural gas divisions were understated and the allocation to the propane division was overstated. The corrections required for the test year are increases to plant in service and the accumulated depreciation reserve of \$90,819 and \$52,067, respectively. Also, depreciation expense shall be increased by \$9,616 to correct this error. The Company concurs with these adjustments.

### C. Adjustments to Rate Base and Depreciation Expense and Amortization Expense for Bare Steel Replacement Program

The Company's bare steel replacement program was approved by this Commission in the Company's last rate case by Order No. PSC-04-1110-PAA-GU, issued November 8, 2004.<sup>3</sup> That Order stated:

The bare steel replacement program as proposed by the Utility would replace all of the utility's existing bare steel mains and service lines with plastic pipe. Bare steel mains and service lines do not appear to have effective cathodic protection

<sup>&</sup>lt;sup>3</sup> In Docket No. 040216-GU, In re: Application for rate increase by Florida Public Utilities Company, p.8.

ORDER NO. PSC-09-0375-PAA-GU DOCKET NO. 080366-GU PAGE 5

on them. Included in this total is approximately five miles of cast iron mains. Some of these mains and service lines have experienced corrosion and corrosion-related gas leaks.

The utility's proposed program would replace all existing mains over a 75-year period beginning in 2005, at a total cost of \$28,315,380, amortized at \$377,538 per year. We find that the replacement period shall be shortened to 50 years to reflect the average useful life of the equipment. This change results in a yearly increase in amortization expense of \$188,770 for a total of \$566,308. Accumulated amortization for the projected test year is also increased by \$94,385.<sup>3</sup>

According to the Company, the Department of Transportation, Pipeline and Hazardous Materials Safety Administration, and the Commission's Bureau of Safety are both in the process of developing rulemaking to address distribution integrity management. This emphasizes the need not only to continue the bare steel replacement program, but to enhance this program to include steel tubing replacements, recognizing the possible increased hazard from steel tubing.

The Company estimates that the total cost of the program is \$37,386,365, from \$28,315,380, as approved in the last rate case, an increase of \$9,070,985. This increase is mainly due to greater material and installation costs associated with the replacement of steel pipe with plastic. Adding steel tubing to the replacement program accounts for only \$642,660 of the program's total increased cost.

In the current rate case, the Company included an annual amortization of \$623,106 for the bare steel mains, services, and steel tubing replacement program. The annual expense reflects the revised total cost of the replacement program and the Company's requested 60-year amortization period. These changes would increase the annual amortization expense from \$566,308, as approved in the last rate case, to \$623,106, or an increase of \$56,798.

In the last rate case, the Company proposed a 75-year amortization period for the bare steel replacement program. Now, the Company is proposing a 60-year amortization period. Pursuant to Order No. PSC-04-1110-PAA-GU, we find that the Company's revised bare steel replacement program shall be approved with the exception that the amortization period shall remain at 50 years to reflect the average useful life of the equipment. This change results in a yearly increase in amortization expense of \$181,419 over the program approved in the last rate case. It requires an adjustment to decrease the Company's plant in service and depreciation reserve by \$67,503 and \$716, respectively. It also requires an adjustment to increase amortization expense by \$124,621 and decrease depreciation expense by \$1,841.

Further, the Company shall file a report with our Division of Economic Regulation within 90 days of our final order in this rate case, showing the dollar amount and feet of plastic mains and services installed in 2005, 2006, 2007, and 2008, to replace the bare steel pipe retired in those same years. Thereafter, the Company shall file an annual status report by March 31 of each year showing the dollar amount and feet of plastic mains, services, and tubing installed during the previous calendar year to replace bare steel pipe and tubing retired that year.

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### BEFORE THE PUBLIC SERVICE COMMISSION

In re: Application for rate increase by Florida DOCKET NO. 040216-GU Public Utilities Company.

ORDER NO. PSC-04-1110-PAA-GU ISSUED: November 8, 2004

The following Commissioners participated in the disposition of this matter:

BRAULIO L. BAEZ, Chairman J. TERRY DEASON RUDOLPH "RUDY" BRADLEY CHARLES M. DAVIDSON

## NOTICE OF PROPOSED AGENCY ACTION ORDER APPROVING IN PART THE REQUESTED RATE INCREASE OF FLORIDA PUBLIC UTILITIES COMPANY

### BY THE COMMISSION:

NOTICE is hereby given by the Florida Public Service Commission that the action discussed herein, except for the adjusting of the company's books in accordance with our final decisions, is preliminary in nature and will become final unless a person whose interests are substantially affected files a petition for a formal proceeding, pursuant to Rule 25-22.029, Florida Administrative Code.

ORDER NO. PSC-04-1110-PAA-GU DOCKET NO. 040216-GU PAGE 8

service line, the short section of the remaining service line to the main, shall be disconnected closer to the main or at the main, if at some later date it becomes accessible during normal operations.

Based upon review of the information provided by FPUC, there are 309 service lines that have been inactive for five or more years. Therefore, these lines shall be removed from the projected test year for ratemaking purposes. Accordingly, \$113,998, \$278,678, and \$4,045 shall be removed from plant-in-service, accumulated depreciation, and depreciation expense, respectively, for the projected test year. The cost to remove the inactive service lines is approximately \$157,204, which is included in the accumulated depreciation amount of \$278,678.

### F. Bare Steel Replacement Program

The bare steel replacement program proposed by the utility would replace all of the utility's existing bare steel mains and service lines with plastic pipe. Bare steel mains and service lines do not appear to have effective cathodic protection on them. Included in this total is approximately five miles of cast iron mains. Some of these mains and service lines have experienced corrosion and corrosion-related gas leaks.

The utility's proposed program would replace all existing mains over a 75-year period beginning in 2005, at a total cost of \$28,315,380, amortized at \$377,538 per year. We find that the replacement period shall be shortened to 50 years to reflect the average useful life of the equipment. This change results in a yearly increase in amortization expense of \$188,770 for a total of \$566,308. Accumulated amortization for the projected test year is also increased by \$94,385.

### G. Acquisition Adjustment

On December 14, 2001, FPUC acquired the assets of SFNG for a purchase price of \$9,917,000. Part of the purchase price was for SFNG's propane operations. SFNG had approximately 4,300 residential, 360 commercial, and 1,000 propane customers. The utility believes that its request for inclusion of its proposed acquisition adjustment is justified for the following reasons.

The utility states that there were approximately \$138,000 in operational savings as a result of the acquisition. The utility imputed that these savings translated into a justifiable rate base increase of approximately \$1,801,000. This calculation assumes that it would take \$1,801,000 in rate base to produce an additional revenue requirement of \$138,000 based on its December 31, 2001 rate of return of 7.68%. Using the same methodology, the utility calculated that the rate of return differential between SFNG and FPUC at December 31, 2001 would equate to \$816,000 in additional justifiable rate base. The utility also calculated the fuel cost differential between the two utilities and, again applying FPUC's allowable rate of return, imputed that an additional \$4,018,000 in rate base was justified. In this filing, FPUC stated that its justifiable increase to rate base as a result of this purchase was \$6,637,112; however, FPUC is seeking approval for total goodwill of \$3,300,000 to be included in rate base as a positive acquisition adjustment.

Re: Docket No. 120036-GU - Joint petition for approval of Gas Reliability Infrastructure Program (GRIP) by Florida Public Utilities Company and the Florida Division of Chesapeake **Utilities Corporation.** Attachment 21.1

COMPANY'S RESPONSES TO STAFF'S FIRST DATA REQUEST DOCKET #120036-GU
GAS RELIABILITY INFRASTRUCTURE PROGRAM (GRIP) BY FPUC & THE FL. DIV. OF CHESAPEAKE UTILITIES CORP. ATTACHMENT 21.1

NOTICE: This report is required by 49 CFR Part 191. Failure to report may result in a civil penelty not to exceed \$100,000 for each violation for each day the violation continues up to a maximum of \$1,000,000 as provided in 49 USC 50122.

OMB No. 2137-0522 Expiration Date 01/31/2014

U.S. Department of Transportation Pipoline and Hazardous Materials Salety Administration	NNUAL REPORT FOR CALE GAS DISTRIBUTION		1			LL REPO		_	RT 🗖
A federal agency may not conduct or sponsor, and a per subject to the requirements of the Paperwork Reduction information collection is 2137-0522. Public reporting for instructions, gathering the data needed, and completing regarding this burden estimate or any other aspect of the Office of Pipeline Safety (PHP-30) 1200 New Jersey Aver	Act unless that collection of information displating collection of information is estimated to be and reviewing the collection of information. A six collection of information, including suggesti	ys a current valid OMB Cont e approximately 16 hours por Il responses to Itals collection	rol Numb submiss of infor	er. The loo, in nation	e OMB Con cluding the are manda	tirol Num time for tory. Se	iber fo r reviev nd con	r Kris ving aments	
PART A - OPERATOR INFORMATION		DOT USE ONLY							
NAME OF OPERATOR     CENTRAL FLORIDA GAS (COMBINED REPORT)	<del></del>	3. OPERATOR'S 5 D				NUN NU	VBEF	₹	
2. LOCATION OF OFFICE WHERE ADDITION INFORMATION MAY BE OBTAINED	ONAL	4. HEADQUARTERS	NAME	& Al	DDRESS	, IF DI	FFER	RENT	
1015 6TH ST. NW		CHESAPEAKE UTILITIES	CORP.	909 SI	LVER LAK	E BLVD.			
Number and Street	· · · · · · · · · · · · · · · · · · ·	Number and	Street						
WINTER HAVEN, POLK		DOYER, KENT							
City and County		City and Cou	inty						
FLORIDA 33881		DELAWARE 19904							
State and ZIp Code		State and Zi	p Code						
5. STATE IN WHICH SYSTEM OPERATES:	/ F / L / (provide a separate rep	ort for each state in w	hich s	/stem	operate	es)			

PART B - SYSTEM DESCRIPTION Report miles of main					and number	r of services	in system at	end of year.		
1. GENERAL					,				,	
	<u></u>	S	TEEL		<b>j</b>	CAST		ļ	1	AVATEM
	UNPRO	TECTED		DICALLY	PLASTIC	WROUGHT IRON	DUCTILE	COPPER	OTHER	SYSTEM
	BARE	COATED	BARE	COATED		11011			<u> </u>	<u> </u>
MILES OF MAIN	151.452			263.675	367.128					782.255
NO. OF SERVICES	<b>7</b> 57			3459	13440				379	18035

MATERIAL	UNKNOWN	2" OR LESS	OVER 2" THRU 4"	OVER 4" THRU 8"	OVER 8" THRU 12"	OVER 12"	SYSTEM TOTALS
STEEL		170.676	137.251	107.2			415.127
DUCTILE IRON							
COPPER							
CAST/WROUGHT IRON							
PLASTIC 1. PVC			,				
2. PE		222.405	124.672	20.051			367.128
3. ABS							
4. OTHER PLASTIC							
OTHER							
SYSTEM TOTALS		393.081	261.923	127.251			782.255

3. NUMBER OF SERVICES IN SYSTEM AT END OF YEAR	18035	AVERAGE SERVICE LENGTH 75	FEET

MATERIAL	UNKNOWN	1" (	R LESS	OVER 1°		OVER 2" THRU 4"	OVER THRU		OVER 8"	тот	AL
STEEL	37		4016	13	3	23		7			4216
DUCTILE IRON											
COPPER											
CAST/WROUGHT IRON											
PLASTIC 1. PVC											****
2. PE	12		13287	12	8	13					13440
3. ABS											
4. OTHER PLASTIC											
OTHER	379										379
SYSTEM TOTALS	428	•	17303	26	1	36		7		1	8035
4. MILES OF MAIN	4. MILES OF MAIN AND NUMBER OF SERVICES BY DECADE OF INSTALLATION										
	UN- KNOWN	PRE- 1940	1940- 1949	1950- 1959	1960- 1969	1970- 1979	1980- 1989	199 <b>0</b> - 1999	2000- 2009	2010- 2019	TOTAL
MILES OF MAIN	397.968					5.731	32.284	121.28	203.25	21.742	782.255
NUMBER OF SERVICES	489	46	36	293	474	750	4046	3950	7509	442	18035

	Ma	ains	Se	rvices
CAUSE OF LEAK	Total	Hazardous	Total	Hazardous
CORROSION	5	1 1	3	1
NATURAL FORCES	1	0	2	2
EXCAVATION DAMAGE	11	11	10	9
OTHER OUTSIDE FORCE DAMAGE	1	1	3	2
MATERIAL OR WELDS	1	0	9	2
EQUIPMENT	19	2	33	7
INCORRECT OPERATIONS	0	0	0	0
OTHER	0	0	0	0

PART D - EXCAVATION DAMAGE	PART E - EXCESS FLOW VALVE (EFV) DATA
Number of Excavation Damages 21  Number of Excavation Tickets 19142	Total Number Of EFVs on Single-family Residential Services Installed During Year

RT H - ADDITIONAL INFORMATION	PART G - PERCENT OF UNACCOUNTED FOR GAS
THE PARKED ON CONTROLLED FOR THE PARK	Unaccounted for gas as a percent of total input for the 12 months ending June 30 of the reporting year.
	[(Purchased gas + produced gas) minus (customer use + company use + appropriate adjustments)] divided by (purchased gas + produced gas) equals percent unaccounted for.
	Input for year ending 6/30 0 %.
PART H - ADDITIONAL INFORMATION	
PART I - PREPARER AND AUTHORIZED SIGNATURE	
MICHAEL MCCARTY/SAFETY AND TRAINING MANAGER	863 292-2941
(Type or print) Preparer's Name and Title	Area Code and Telephone Number
mmccarty@chpk.com	863 294-3895
Preparer's emph address	Area Code and Facsimile Number
KEVIN WEGGER / VICE PRESIDENT	561 838-1711
Name and Title of Person Signing	Area Code and Telephone Number
Authorized Signature	

NOTICE: This report is required by 49 CFR Part 191. Failure to report may result in a civil penalty not to exceed \$100,000 for each day the violation continues up to a maximum of \$1,000,000 as provided in 49 USC 60122.

OMB No. 2137-0522 Expiration Date 01/31/2014

								•					
U.S. Department of Transportation Pipeline and Hazardous Materials Safely Administration	•	GAS DIS	TRIBUTIO	N SYST					SUPI	AL REPO	ITAL	REPO	
A federal agency may not conduct or sponsor, and a subject to the requirements of the Paperwerk Reduct information collection is 2137-0522. Public reporting instructions, gathering the data needed, and complet regarding this burden extinate or any other aspect of Office of Pipeline Safety (PHP-30) 1280 New Jersey A	for this collection ling and reviewing I this callection of	of information to the collection information	on is estimated to the of information definition sugges	piays a curre	ni valid OMB Con nately 16 hours pe	r eubm	mber. Ission,	The Of Includ	18 Co. Ing th	etrol Nurs etime for	bert.	or this rwing	
PART A - OPERATOR INFORMATION		***********		DOTU	SE ONLY	T	Т			F			
	_					<u> </u>	<u> </u>		<u></u>				l
1. NAME OF OPERATOR				3 OP	ERATOR'S 6 E	דומור	IDEN	TIEIC	ATTA	AL AD ER	4DE		
FLORIDA PUBLIC LITILITIES (COMBINED REPOR	T)			u. 0,	1015					MINOR	IOE	Γ.	
2. LOCATION OF OFFICE WHERE ADDITIONATION MAY BE OBTAINED	TIONAL			4. HE	ADQUARTER	NAħ	ЛЕ &	ADDI	RESS	, IF DIF	FE	RENT	
209 N. SAPODILLA AV.				1640 W	ORTHINGOTN BL	VD., 5	UITE 2	20					
Number and Street					Number and	Stree	t						•
WEST PALM BEACH, PALM BEACH				WEST	ALM BEACH, PA	LM BE	ACH						
City and County					City and Co	unty		***					•
FLORIDA 33401				FLORID	A 33409								
State and ZIp Code					State and Zi	o Cod	e						
5. STATE IN WHICH SYSTEM OPERATE	8:/ <u>f/l/</u>	(provide	a separate r	port for e	ach state in v	hich	syste	em op	erat	es)			

PART B - SYSTEM DI 1. GENERAL	ESCRIPTION	V	Repor	t miles of mai	n and numbe	r of services	in system at	end of year.		
	STEEL UNPROTECTED CATHODICALLY PROTECTED			PLASTIC	CAST/ WROUGHT	DUGHT DUCTILE	COPPER	OTHER	SYSTEM	
	BARE	COATED	BARE	COATED		IRON				,
MILES OF MAIN	173		22	740	759.471	3				1697.471
NO. OF SERVICES	5949		1949	13373	43645					64916

MATERIAL	UNKNOWN	2" OR LESS	OVER 2" THRU 4"	OVER 4" THRU 8"	OVER 8" THRU 12"	OVER 12"	SYSTEM TOTALS
STEEL		519	144	263	2	7	935
DUCTILE IRON							
COPPER							
CAST/WROUGHT IRON		1	2				3
PLASTIC 1. PVC							
2. PE		564.261	187.21	8			759.471
3. ABS							
4. OTHER PLASTIC							
OTHER							
SYSTEM TOTALS		1084.261	333.21	271	2	7	1697.471

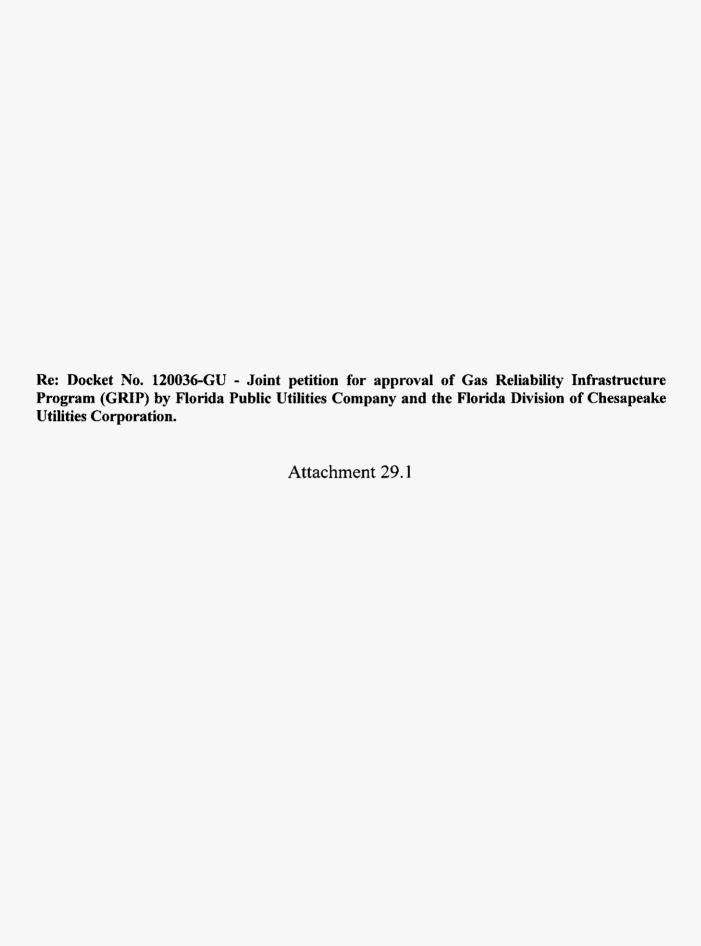
3,	NUMBER OF SERVICES IN SYSTEM AT END OF YEAR	64916	AVERAGE SERVICE LENGTH 65 F	EET
_	· · · · · · · · · · · · · · · · · · ·			

MATERIAL	UNKNOWN	i 1" (	OR LESS	OVER 1 THRU 2	į.	OVER 2" THRU 4"	OVE THR	R 4" U 8"	OVER 8"	то	TAL.
STEEL			20800	45	53	13		5			21271
DUCTILE IRON									<del></del>		
COPPER									······································		
CAST/WROUGHT IRON											
PLASTIC 1. PVC											
2. PE			40549	30:	37	59					<b>43</b> 645
3. ABS									<del> </del>		
4. OTHER PLASTIC											
OTHER											
SYSTEM TOTALS		(	31349	349	90	72		5		- 6	64916
4. MILES OF MAIN	AND NUMBE	R OF SER	VICES BY D	ECADE OF	INSTALL	ATION	·"······		<del>, , , , , , , , , , , , , , , , , , , </del>		
	UN- KNOWN	PRE- 1940	1940- 1949	1950- 1959	1960- 1969	1970- 1979	1980- 1989	1990- 1999	2000- 2009	2010- 2019	TOTAL
MILES OF MAIN			100	51	308	216	243	297	436.677	45.794	1697.471
NUMBER OF SERVICES			1811	2035	8458	4988	9434	11524	24761	1905	64916

	Ma	ilns	Services			
CAUSE OF LEAK	Total	Hazardous	Total	Hazardous		
CORROSION	72	17	299	70		
NATURAL FORCES	1	1	1	1		
EXCAVATION DAMAGE	45	37	151	139		
OTHER OUTSIDE FORCE DAMAGE	3	3	9	8		
MATERIAL OR WELDS	24	5	22	6		
EQUIPMENT	18	1	63	15		
NCORRECT OPERATIONS	1	0	1	0		
OTHER	19	3	54	8		

PART D - EXCAVATION DAMAGE	PART E - EXCESS FLOW VALVE (EFV) DATA
Number of Excavation Damages 196  Number of Excavation Tickels 61011	Total Number Of EFVs on Single-family Residential Services Installed During Year 810 Estimated Number of EFVs In System At End Of Year 3954

PART F - TOTAL NUMBER OF LEAKS ON FEDERAL LAND	PART G - PERCENT OF UNACCOUNTED FOR GAS						
REPAIRED OR SCHEDULED FOR REPAIR							
	Unaccounted for gas as a percent of total input for the 12 month ending June 30 of the reporting year.						
	[(Purchased gas + produced gas) minus (customer use + company use + appropriate adjustments)] divided by (purchased gas + produced gas) equals percent unaccounted for.						
	Input for year ending 6/30 0 %						
	The state of the s						
PART H - ADDITIONAL INFORMATION							
PART I - PREPARER AND AUTHORIZED SIGNATURE							
MICHAEL MCCARTY / SAFETY AND TRAINING MANAGER	863 292-2941						
(Type or print) Preparer's Name and Title	Area Code and Telephone Number						
mmccarty@fpuc.com	863 294-3895						
Preparer's egiail address	Area Code and Facsimile Number						
KEVINWEBBER / VICE PRESIDENT	561 838-1711						
Name of Title of Person Signing	Area Code and Telephone Number						
Authorized Signature	-						



				CFG	COMPA	NY'S RESPONSES	TO STAFF'S	FIRST DATA	REQUES
			As	set Basis Repor	t DOCKE	T#120036-GU			-
					GASRE	LIABILITY INFRA	STRUCTUR	E PROGRAM	(GRIP) BY
Book = Internal					FPUC &	THE FL. DIV. OF C	HESAPEAK	E UTILITIES	CORP.
FYE Month = December	<del>-</del>				— ATTAC	HMENT 29.1			
TE MOTOT - December	<del>-</del>			<u> </u>			<del>                                     </del>	<del> </del>	<del>                                     </del>
	+				·		<b>}</b>	<del>                                     </del>	<del> </del>
Sys No	Ext	AcqDate	Description	Δ.	cquiredValue	DepreciableBasis	KeyCode	G/L Asset A	cct No
	1300			<u> </u>	- United Value	Ventecianieriasis	Revoude	GE ASSEL A	I
800008	001	12/31/1978			\$ 0.00	\$ 0.00			
	003	12/31/1978			0.00	0.00		ļ.,, ,	<b></b>
000009	004	12/31/1978 12/31/1979			0.00	0.00	<b></b>	1010-3762	<del> </del>
000003	003	12/31/1979			0.00	0.00		1010-3762	<del> </del>
	005	12/31/1979		······································	0.00	0.00	<b></b>	1010-3762	<del>                                     </del>
	007	12/31/1979	MAINS		0.00	0.00		1010-3762	İ
	009	12/31/1979			0.00	0.00		1010-3762	
	011	12/31/1979			0.00	0.00	<u> </u>	1010-3762	<del>                                       </del>
000010	012	12/31/1979 12/31/1980		· · · · · · · · · · · · · · · · · · ·	0.00	0.00	0	1010-3762	<del> </del>
	003	12/31/1980			0.00	0.00			1
	005	12/31/1980			0.00	0.00			
	007	12/31/1980	MAINS		0.00	0.00			
202040	800	12/31/1980			0.00	0,00	d	1.0.1	<u> </u>
000012	001	12/31/1982			0.00	0.00		1010-3762	
<u> </u>	003	12/31/1982 12/31/1982			0.00	0.00		1010-3762 1010-3762	
	1005	12/31/1982			0.00	0.00	d	1010-3762	
000013	001	12/31/1983			0.00	0.00		1010-3762	
	002	12/31/1983	MAINS	<u> </u>	00,00	0.00	d	1010-3762	]
000014	001	12/31/1984			0.00	0.00		1010-3762	<b> </b>
	003 005	12/31/1984 12/31/1984			0.00	0.00		1010-3762 1010-3762	<del> </del>
	006	12/31/1984			0.00	0.00	d	1010-3762	<del>                                     </del>
000017	000	03/31/1987			0.00	<u> </u>	<u> </u>	1010-3702	-
000019	000	09/30/1987					d	1010-3762	
000020	000	12/31/1987					d		ļ
000021	001	03/31/1988			0.00	0.00	ļ	<b></b>	ļ
	003	03/31/1988			0.00	0.00		<del> </del>	<del></del>
	007	03/31/1988			0.00	0.00		<del> </del>	<del> </del>
	009	03/31/1988			0.00	0.00			
	011	03/31/1988			0.00	0.00			
	013	03/31/1988	MAINS		0.00	0.00		<u> </u>	
, ————————————————————————————————————	015	03/31/1988			0.00	0.00			<u> </u>
	017	03/31/1988			0.00	0.00			·····
	021	03/31/1988 03/31/1988			0.00	0.00			<b></b>
	023	03/31/1988			0.00	0.00			1
	025	03/31/1988			0.00	0.00			
	027	03/31/1988			0.00	0.00		<u> </u>	<del>                                     </del>
	029 031	03/31/1988			0.00	0.00		<u> </u>	╁
	033	03/31/1988 03/31/1988			0.00	0.00		<del> </del>	<u> </u>
	034	03/31/1988			0.00	0.00	İ	1	
000028	000	12/31/1989							
000234	001	03/31/1990	MAINS		0.00	0,00			ļ
000203	002	03/31/1990			0.00	0.00		<b>_</b>	<del>                                     </del>
000303	001	12/31/1991 12/31/1991			0.00	0.00	<del> </del>		<b> </b>
	005	12/31/1991			0.00	0.00		1	
	006	12/31/1991			0.00	0.00			
000555	000	12/31/1993					ļ	<u> </u>	
000610	001	12/31/1981			0,00	0.00			1
000680	002 001	12/31/1981 12/31/1994			0.00	0.00	<b></b>	<del> </del>	ļ
000000	003	12/31/1994		· · · · · · · · · · · · · · · · · · ·	0.00	0.00		1	<b>†</b>
	003	12/31/1994			0.00	0.00			
000729	001	12/31/1986	MAINS		0.00	0.00	<u> </u>		
	003	12/31/1986	MAINS		0.00	0.00	ļ	ļ	<b></b>
000731	004 001	12/31/1986 12/31/1977			0.00	0.00 0.00	<b></b>	<del> </del>	<del> </del>
VVVIVI	003	12/31/1977			0.00	0.00		<del> </del>	
	005	12/31/1977			0.00	0.00		1	
	007	12/31/1977	MAINS		0.00	0.00			
	009	12/31/1977			0.00	0.00		<u> </u>	<b></b>
	011	12/31/1977			0.00	0.00	ļ	<u> </u>	<del>                                     </del>
	013	12/31/1977 12/31/1977			0.00	0.00	<del> </del>	<del> </del>	1
	017	12/31/1977			0.00	0.00			l
	019	12/31/1977			0.00	0.00		1	
	021	12/31/1977	MAINS		0.00	0.00			<u> </u>
	023	12/31/1977			0.00	0.00		ļ	
	025	12/31/1977			0.00	0.00		<b></b>	ļ
	027	12/31/1977 12/31/1977			0.00	0.00			<del> </del>
	1010	1 1401/19//	DENIES		0.00	0.00		1	1

031		T MAINS T MAIN	0.00 0.00 2.09.80 9.702.00 2.646.00 17.959.60 197.111.60 0.00 0.00 0.00 10.910.00 1.063.26 12.143.63 707.653.58 0.00 34.749.47 323.68 92.48 212.71 123.31 105.40 1.702.04 4.786.98 2.656.50 637.476.09 109.943.35 802.077.37 65.427.40 7.110.68 14.350.99 1.178.01 8.567.34 1.003.401.32 288.071.63 42.801.17 7.112.67 285.815.42 2.955.848.05	0.00 0.00 2.009.80 9.702.00 2.646.00 17.959.60 197.111.60 0.00 0.00 0.00 10.910.00 10.910.00 10.913.63 707.653.58 0.00 34.749.47 323.68 92.48 212.71 123.31 105.40 1.702.04 4.786.98 2.656.50 637.476.09 109.943.35 802.077.37 65.427.40 7.110.68 14.350.99 1.178.01 8.567.34 1.003.401.32 288.071.63 42.801.17 7.112.67 285.815.42 2.955.848.05 12.003.80	d d d d d d d d d d d d d d d d d d d	
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000974         001           002         002           000975         001           003         004           000976         000           001025         000           001026         000           001027         000           001028         000           001029         000           001063         000           001065         000           001120         000           001121         000           001128         000           00129         000           001120         000           001121         000           001123         000           001203         000           001204         001           001253         000           001358         000           001484         000           001485         000           001486         000           001487         000           001524         000           001526         000           001526         000           001556         000	06/30/1999 06/30/1999 09/30/1999 09/30/1999 12/31/1999 12/31/1999 12/31/1999 12/31/2000 09/30/2000 12/31/2000 03/31/2000	MAINS MAINS MAINS MAINS MAINS MAINS MAINS MAINS MAINS(LANCASTER) MAINS(LANCASTER) MAINS MAINS MAINS MAINS MAINS MAINS MAINS MAINS MAINS MAINS	7.110.68 14,350.99 1.178.01 8.567.34 1.003.401.32 288.071.63 42,801.17 7.112.67 285,815.42 2,955,848.05 424,222.31 1,204.620.88 782,850.98	7,110.68 14,350.99 1,178.01 8,567.34 1,003.401.32 288,071.63 42,801.17 7,112.67 285,815.42 2,955,848.05 424,222.31 1,204.620.88 782,850.98	d	
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000975         001           003         004           001025         000           001025         000           001026         000           001027         000           001028         000           001029         000           001063         000           001065         000           001121         000           001123         000           001124         001           001203         000           001204         001           001255         000           001358         000           001484         000           001485         000           001486         000           001487         000           001524         000           001525         000           001526         000           001526         000           001556         000	09/30/1999 09/30/1999 09/30/1999 12/31/1999 12/31/1999 03/31/2000 09/30/2000 12/31/2000 03/31/2000 03/31/2000	MAINS MAINS MAINS MAINS MAINS(LANCASTER) MAINS(LANCASTER) MAINS MAINS MAINS MAINS MAINS MAINS MAINS MAINS MAINS	1,178.01 8,567.34 1,003.401.32 288.071.63 42,801.17 7,112.67 285,815.42 2,955,848.05 424,222.31 1,204.620.88 782,850.98	1,178.01 8,567.34 1,003,401.32 288,071.63 42,801.17 7,112.67 285,815.42 2,955,848.05 424,223.31 1,204,620.88 782,850.98		
003 004 00976 000 001025 000 001026 001027 000 001028 000 001029 001063 001064 000 001120 001121 000 001121 000 001121 000 001123 000 001255 000 001486 000 001485 000 001486 000 001488 000 001488 000 001488 000 001524 000 001526 000 001526	09/30/1999 09/30/1999 12/31/1999 12/31/1999 12/31/1999 03/31/2000 09/30/2000 12/31/2000 03/31/2000 06/30/2000	MAINS MAINS MAINS(LANCASTER) MAINS(LANCASTER) MAINS(LANCASTER) MAINS MAINS MAINS MAINS MAINS MAINS	8,567,34 1,003,401,32 288,071,63 42,801,17 7,112,67 285,815,42 2,955,848.05 424,222,31 1,204,620,88 782,850,98	8,567.34 1,003,401.32 288,071.63 42,801.17 7,112.67 285,815.42 2,955,848.05 424,222.31 1,204,620.88 782,850.98		
000976         000           001025         000           001026         000           001027         000           001028         000           001029         000           001063         000           001065         000           001120         000           001121         000           001128         000           001129         000           001120         000           001121         000           001203         000           001204         001           001255         000           001253         000           001388         000           001484         000           001485         000           001486         000           001488         000           001524         000           001525         000           001526         000           001556         000	09/30/1999 12/31/1999 12/31/1999 12/31/1999 03/31/2000 09/30/2000 12/31/2000 03/31/2000	MAINS MAINS(LANCASTER) MAINS(LANCASTER) MAINS(LANCASTER) MAINS MAINS MAINS MAINS MAINS MAINS MAINS	1.003.401.32 288.071.63 42.801.17 7,112.67 285.815.42 2.955.848.05 424.222.31 1,204.620.88 782.850.98	288,071.63 42.801.17 7,112.67 285,815.42 2,955,848.05 424,222.31 1,204,620.88 782,850.98		
001025         000           001026         000           001027         000           001028         000           001029         000           001063         000           001065         000           001120         000           001121         000           001123         000           001203         000           001204         001           001255         000           001253         000           001358         000           001484         000           001485         000           001486         000           001488         000           001524         000           001525         000           001526         000           001526         000	12/31/1999 12/31/1999 03/31/2000 09/30/2000 12/31/2000 03/31/2000	MAINS(LANCASTER) MAINS(LANCASTER) MAINS MAINS MAINS MAINS MAINS MAINS MAINS	42,801.17 7.112.67 285,815.42 2,955,848.05 424,222.31 1,204,620.88 782,850.98	42.801.17 7.112.67 285.815.42 2.955.848.05 424.222.31 1.204.620.88 782.850.98		
001026         000           001027         000           001028         000           001029         000           001063         000           001065         000           001120         000           001121         000           001123         000           001203         000           001204         001           001255         000           001253         000           001358         000           001484         000           001485         000           001486         000           001488         000           001524         000           001526         000           001526         000           001556         000	12/31/1999 03/31/2000 09/30/2000 12/31/2000 03/31/200 06/30/200	MAINS(LANCASTER) MAINS MAINS MAINS MAINS MAINS MAINS MAINS	7,112.67 285,815.42 2,955,848.05 424,222.31 1,204,620.88 782,850.98	7,112.67 285,815.42 2,955,848.05 424,222.31 1,204,620.88 782,850.98		
001027         000           001028         000           001029         000           001063         000           001065         000           001120         000           001121         000           001128         000           001129         000           001120         000           001120         000           001203         000           001204         001           001253         000           001253         000           001388         000           001485         000           001486         000           001487         000           001524         000           001525         000           001526         000           001556         000	03/31/2000 09/30/2000 12/31/2000 03/31/200 06/30/200	MAINS MAINS MAINS MAINS MAINS	285,815,42 2,955,848.05 424,222,31 1,204,620.88 782,850.98	285,815.42 2,955,848.05 424,222.31 1,204,620.88 782,850,98		
001028         000           001029         000           001063         000           001064         000           001120         000           001121         000           001123         000           001203         000           001204         001           001253         000           001253         000           001253         000           001253         000           001388         000           001484         000           001485         000           001486         000           001488         000           001524         000           001525         000           001526         000           001556         000	09/30/2000 12/31/2000 03/31/200 06/30/200	MAINS MAINS MAINS MAINS	2,955,848.05 424,222.31 1,204,620.88 782,850.98	2,955,848.05 424,222.31 1,204,620.88 782,850.98		
001063         000           001064         000           001065         000           001120         000           001121         000           001123         000           001203         000           001204         001           001255         000           001253         000           001358         000           001484         000           001485         000           001486         000           001488         000           001524         000           001525         000           001526         000           001556         000	03/31/200° 06/30/200°	MAINS MAINS	1,204,620.88 782,850.98	424,222.31 1,204,620.88 782.850.98		
001064         000           001065         000           001120         000           001121         000           001128         000           001203         000           001204         001           002         001205           001253         000           001358         000           001484         000           001485         000           001486         000           001488         000           001524         000           001525         000           001526         000           001556         000	06/30/2001	MAINS	782,850.98	782,850.98		
001065         000           001120         000           001121         000           001178         000           001203         000           001204         001           002         002           001205         000           001253         000           001358         000           001484         000           001485         000           001486         000           001487         000           001524         000           001525         000           001526         000           001556         000						
001120         000           001121         000           001178         000           001203         000           001204         001           002         002           001255         000           001253         000           001358         000           001485         000           001485         000           001487         000           001488         000           001524         000           001525         000           001526         000           001556         000		THE ALBERT	1 0 500 070 07	• • • • • • • • • • • • • • • • • • •		1
001121         000           001178         000           001203         000           001204         001           002         000           001255         000           001253         000           001388         000           001485         000           001486         000           001487         000           001488         000           001524         000           001526         000           001556         000	09/30/2002		2,502,078.97 425,140,83	2,502,078.97 425,140.83		
001178         000           001203         000           001204         001           002         002           001255         000           001358         000           001484         000           001485         000           001486         000           001487         000           001488         000           001524         000           001525         000           001526         000           001556         000	12/31/2002		295,760.36	295,760.36		
001204         001           002         002           001205         000           001253         000           001358         000           001484         000           001485         000           001486         000           001487         000           001488         000           001524         000           001525         000           001526         000           001556         000	12/31/2003		1,244,077.87	1,244,077.87		
001205         000           001205         000           001253         000           001358         000           001484         000           001485         000           001486         000           001487         000           001488         000           001524         000           001525         000           001526         000           001556         000	03/31/2004		418,761.17	418,761.17		
001205         000           001253         000           001358         000           001484         000           001485         000           001486         000           001487         000           001488         000           001524         000           001525         000           001526         000           001556         000	06/30/2004		4,515,00	4,515.00	<u>d</u>	
001253         000           001358         000           001484         000           001485         000           001486         000           001487         000           001488         000           001524         000           001525         000           001526         000           001556         000	06/30/2004		282,461.28	282,461.28 423,601.78		
001358         000           001484         000           001485         000           001486         000           001487         000           001488         000           001524         000           001525         000           001526         000           001556         000	09/30/2004 09/30/2004	MAIN	423,601.78 78,803.34	78,803.34	101-376	
001484         000           001485         000           001486         000           001487         000           001488         000           001524         000           001525         000           001526         000           001556         000	09/30/2006		(114.222.30)	(114,222.30)	101-376	
001486         000           001487         000           001488         000           001524         000           001525         000           001526         000           001556         000	01/31/2008		76,321.70	76,321,70	101-376	
001487         000           001488         000           001524         000           001525         000           001526         000           001556         000	02/28/2008	Mains	71,991.99	71,991.99	101-376	
001488         000           001524         000           001525         000           001526         000           001556         000	03/31/2008	Mains	155,316,72	155,316.72	101-376	
001524         000           001525         000           001526         000           001556         000	04/30/2008 05/31/2008		74,968.04 32,122,96	74,968.04 32,122.96	101-376 101-376	
001525 000 001526 000 001556 000	06/30/2008		241,024.70	241,024,70	101-376	
001526 000 001556 000	08/31/2008		158,909.83	158,909,83	101-376	
	07/31/2008	Mains	98,398.53	98,398.53	101-376	
	09/30/2008		127,305.70	127,305.70	101-376	
001557 000	10/31/2008		7,516,90	7,516.90	101-376 101-376	
001558         000           001559         000	11/30/2008		12,517,47 1,162,531,76	12,517.47 1,162,531.76	101-376	
001	12/31/2008		246,312.45	246,312.45	101-3761	
002180 000		Aubumdale Mains	(1,790.11)			
002261 000	03/31/2011	US 98 Hospital 540A	38,270.48	38,270.48	101-376	
002262 000		HC Chicken n Fish	3,051.05	3,051.05	101-376	
0022 <b>76</b> 000 002291 000		I WH HIGH RELOCATION I SIZZLIN GRILL 2CTD	738.95 7,169.81	738.95 7,169.81	101-376 101-376	
002292 000		INEIGHBORS MEAT MKT	3,071,88	3,071.88	101-376	
002293 000		AUBURNDALE DOWNTOWN	50,580.38	50,580.38	101-376	
002294 000	05/31/2011	US 27 HELLER BROS BLVD	15,151.20	15,151.20	101-376	
002295   000		LEGOLAND 2PE INSTALL	31,259.27	31,259.27	101-376	
002418 000 002419 000		Airlink Raven Replacement	48,704,48	48,704.48	101-376 101-376	+
002419   000	02/29/2012	Quality Trailer Farm Tap	4.118.21	4,118.21	101-3/6	
Grand Total	02/29/2012		\$ 17,873,370,35	\$ 17.873,370,35		
Less disposals and transfers	02/29/2012		(232,501,24)			
Count = 28	02/29/2012		1			
Net Grand Total Count = 125	02/29/2012		# 47.040.000.41	\$ 17,640,869,11	1	

				CFG				T	
			٨٥	set Basis Rep	o <del>d</del>	<u> </u>		ļ	
				set Dasis Nep	OIE.				<u> </u>
Book = Internal									
FYE Month = Dec	cember						<u> </u>	1	
		* *							
Svs No	Ext	AcaDate	Description		AcquiredValue	DepreciableBasis	KeyCode	G/L Asset A	cct No
000029	001	12/31/1985	MAINS - IRB		\$ 0.00	\$ 0.00			
	003		MAINS - IRB		0.00	0.00	<u> </u>		
	005		MAINS - IRB		0,00	0.00			<u> </u>
	007		MAINS - IRB MAINS - IRB		0.00	0.00			<del>                                     </del>
000031	000		MAINS - IRB			0.00			
001254	000		Mains - IRB		(8,328.68)	(8,328.68)		101-3761	
001255 001257	000		Mains - IRB Mains - IRB		31,800,37 499,608.96	31,800,37 499,608,96	<u> </u>	101-3761 101-3761	
001258	000		Mains - IRB		59,174.71	59,174.71		101-3761	<u> </u>
001259	000		Mains - IRB		157,770.30	157,770.30		101-3761	<u> </u>
001260 001314	000		Mains - IRB Mains - IRB		79.30 280.230.92	79.30 280.230.92		101-3761 101-3761	<del>                                     </del>
001326	000	06/30/2006	MAINS - IRB		200,200.92	200.200.02			
001327	000		MAINS - IRB				ļ <u>.</u>		
001338 001347	000		MAINS - IRB MAINS - IRB			0.00			
001348	000		MAINS - IRB						
001366	000	10/31/2006	Mains - IRB		412.138.37	412,138.37		101-3761	
001377 001385	000		Mains - IRB Mains - IRB		79,596.84 119,662.16	79,596,84 119,662,16	<b></b>	101-3761 101-3761	
001389	000		Mains - IRB		92,401.71	92,401.71		101-3761	
001391	000		Mains - IRB		19,708.48	19,708.48		101-3761	<b>_</b>
001416 001417	000		Mains - IRB Mains - IRB		16,354,56 943,50	16,354.56 943.50		101-3761 101-3761	<del> </del>
001420	000		Mains - IRB		157,746.30	157,746.30	··· · · · · · · · · · · · · · · · · ·	101-3761	
001421	000		Mains - IRB		388,985,49	388,985.49		101-3761	
001438 001439	000		Mains - IRB Mains - IRB		116,181.36 30,371.20	116,181.36 30,371.20	ļ	101-3761 101-3761	
001471	000		Mains - IRB		836.495.23	836,495.23		101-3761	
001472	000	09/30/2007	Mains - IRB		55,817,88	55,817.88		101-3761	ļ
001603 001604	000		Mains-China Mains-Centra	······	237.48 1.198.25	237.48 1,198,25	<u> </u>	101-3761 101-3761	
001605	000		Mains-Centra		555.62	555.62		101-3761	
001606	000	02/28/2009	Mains-Stanfo	rd	3,472,24	3,472.24		101-3761	ļ
001607 001608	000			wer Springs Rehal Educational Path	1,500.00 1,500.00	1,500.00 1,500.00	<u> </u>	101-3761 101-3761	
001609	000		Mains-Tuffy E		5,690.46	5,690.46		101-3761	
001610	000		Mains Jordan		1,775.67	1,775.67		101-3761	
001611 001612	000		Mains Stanfor Mains-Sweet		126.00 7,767.58	126.00 7,767.58		101-3761 101-3761	<u> </u>
001613	000	03/31/2009	Mains-Griffins	Green-72 lots	27,122,38	27,122.38		101-3761	
001614	000	03/31/2009	Mains Holiday	Inn Crystal River		10,002.06		101-3761	<u> </u>
0016 <b>15</b> 0016 <b>16</b>	000		Mains-Tuffy B Mains Jordan		1,990.00 222.90	1,990.00 222.90	<u> </u>	101-3761 101-3761	
001617	000		Mains-Sweet		671.39	671.39		101-3761	
001618	000			ver Springs Rehal	3,120.00	3,120.00		101-3761	ļ
001619 001620	000		Mains-China Mains-CF491	Vok Educational Path	1,490,37 11,858,68	1,490.37 11,858.68	<u> </u>	101-3761 101-3761	<del> </del>
001621	000	05/31/2009	Mains-Tuffy E	v-Pass	31.14	31,14		101-3761	
001622	000	06/30/2009	Mains Laundr	y-Grocery	6,473,94 517,50	6,473.94		101-3761 101-3761	<del> </del>
001623 001624	000		Mains-China ' Mains-Centra		517,50 1,847,72	517.50 1.847.72		101-3761	<u> </u>
001625	000	06/30/2009	Mains CR54	3 US 27	(912.00)	(912.00)		101-3761	
001626 001627	000		Mains-Sweet	pay Market Green-72 lots	(1,437.66) 1,437.66	(1,437.66) 1,437.66	<b></b>	101-3761 101-3761	
001628	000			Educational Path	1.753.87	1,753.87		101-3761	
001629	000	06/30/2009	Mains- Oak S	t at US27	10,201.15	10,201.15		101-3761	
001630 001631	000		Mains-Cypres Mains- Holida	s Gdns Reloc	10,608.07 1,831.58	10,608,07 1,831.58	-	101-3761 101-3761	<del>                                     </del>
001632	000		Mains-Centra		(3,601.59)	(3,601,59)		101-3761	
001633	000	09/30/2009	Mains- Count	ry Club Estates-94	45,094.54	45,094.54		101-3761	<u> </u>
001634 001635	000		Mains-Revno	ids Laundry Educational Path	8,228.99 3,601,59	8,228,99 3,601,59		101-3761 101-3761	
Q01636	000		Mains-Cr491 Mains- Oak S		1,187.40	1,187,40		101-3761	
001637	000	09/30/2009	Mains- Overlo	ok Dr	44,728.45	44,728.45		101-3761	<b> </b>
001638 001639	000		Mains-6th Ave Mains-LA Rel		7,330.67 38,290.52	7,330.67 38,290.52	<u> </u>	101-3761	<del> </del>
001640	000			W at 5th St SW	(3.352.07)			101-3761	<u> </u>
001641	000	04/30/2009	Mains Holiday	Inn Crystal River	283.92	283.92		101-3761	
001642 001643	000		Mains- Centra Mains-5th St		(1,726.18) 20,588.78	(1,726.18) 20.588.78		101-3761 101-3761	
001644	000	10/31/2009	Main - US 19	and Turkey Oak	14,716.37	14,716.37		101-3761	
001645	000	11/30/2009	Mains- Holida	y Inn SR44	(1.831.58)	(1.831.58)		101-3761	
001646 001647	000		Mains- 275 Pa	ark Ln / Inn Crystal River	4.642.36 1.831.58	4.642.36 1,831.58		101-3761	
001648	000		Mains Fluiday		16.980.00	16,980.00		101-3761	

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001649	000		Mains-LA Reloc 17	233.00	233.00	101-3761
001650	000	11/30/2009	Mains- 17-92 Bridge	14,038.99	14,038.99	101-3761
001651	000	11/30/2009	Mains-5th St SW Install	(1.19)	(1.19)	101-3761
001652	000	12/31/2009	Mains-Lakeshore Blvd	6,319.00	6,319.00	101-3761
001653	000		Mains-1190 Lk Otis Dr	1,982.94	1.982.94	101-3761
001654	000		Mains- AVG SW at 5th St SW	(474.96)	(474.96)	101-3761
001655	000					
			Mains- 17-92 Bridge	(583.00)	(583.00)	101-3761
001656	000		Mains- LW Trail Xing	10,810.30	10,810.30	101-3761
001657	000		Mains- Reloc Tap & Main Adam	3,344,31	3,344.31	101-3761
001658	000		Mains Sewer Conflict	2,248.80	2,248.80	101-3761
001659	000	12/31/2009	Mains- US 19 and Turkey Oak	(250.00)	(250.00)	101-3761
001952	000	01/31/2010	Mains-New Customers Papa Jd	11,342.22	11.342.22	101-3761
001953	000		Mains-New Customers Lake Tri	25,479,79	25,479.79	101-3761
001964	000		Mains-Replacement W. Trail Xi	1,054.25	1,054.25	101-3761
001965	000		Mains Reinf- US19	789,536.05	789,536.05	101-3761
001973	000		Mains-New APAC 6-4PE	45,249.04	45,249.04	101-3761
001974	000		Mains Replace- LA Rector 17/9	6,543.60	6,543.60	101-3761
001975	000		Mains-Repl Tap & Main	8,666.00	8,666.00	101-3761
001976	000					
			Mains Repl SG Rd & Tyler Xing	3,377.31	3,377.31	101-3761
001977	000		Mains Reinf- Lecanto Reinforce	109,172.93	109,172.93	101-3761
001978	000		Mains Reinf- Lecanto Reinforce	1,575.62	1,575.62	101-3761
001996	000	04/30/2010	Mains New Cust- Park Place	47,874.39	47.874.39	101-3761
002007	000	05/31/2010	Mains-New APAC 6-4PE	4,430.27	4,430.27	101-3761
002008	000	05/31/2010	Mains Replace- Sessoms Ave	1,724,92	1,724.92	101-3761
002009	000		Mains Replace- Bullard Ave	4,428.82	4,428.82	101-3761
002010	000		Mains Replace- 6th St NW	5.047.59	5.047.59	101-3761
002024	000		Mains New Cust- China Park	2,552.36	2,552.36	101-3761
002025	000		Mains Replace- Sessoms Ave	3,399.03	3,399.03	101-3761
002026	000			24.071.97	24,071.97	101-3761
			Mains-New APAC 6-4PE			
002027	000		Mains Reinf- Lecanto Reinforce	3,966.18	3,966,18	101-3761
002028	000		Mains-New Rustic Ranch	4,295.13	4,295,13	101-3761
002029	000		Mains-New Plant City West Sid	349,727.45	349,727.45	101-3761
002044	000	07/31/2010	Mains-New Plant City West Sid	(124.94)	(124.94)	101-3761
002055	000	08/31/2010	Mains - New APAC 6-4pe	20,284.47	20.284.47	101-3761
002056	000	08/31/2010	Mains-New Plant City West Sid	275.00	275.00	101-3761
002057	000		Crop Nutrition 2CTD	14,169.38	14,169,38	101-3761
002058	000		Mains- Reinf Lecanto	1,521.66	1,521.66	101-3761
002061	000		Rustic Ranch 2PE	194.67	194.67	101-3761
002070	000		Rustic Ranch 2PE	364.12	364.12	101-3761
002071	000		AUB Gate 4PE	4,467,66	4,467.66	101-3761
						101-3761
	000		RaceTrac Reloc	(8.050.22)	(8,050,22)	
002089	000		Mains-New APAC 6-4PE	20.659.89	20.659.89	101-3761
002090	000		Mains-New Davenport School	11,518,63	11,518,63	101-3761
	000		Mains-Repl Sessoms Ave	(1,416.00)	(1,416.00)	101-3761
002101	000	11/30/2010	Mains-new Hong Kong CiCis	9,655,76	9,655.76	101-3761
002102	000	11/30/2010	Mains New- Plaza Pizza	2,448.42	2,448.42	101-3761
002103	000	11/30/2010	Mains New- Lake Otis Dr	2,915.19	2,915.19	101-3761
002104	000		Mains-New APAC 6-4PE	52,042.40	52,042.40	101-3761
002105	000		Mains New-CiCi Pizza	7,388.68	7,388.68	101-3761
002106	000		Mains New Luigi Italian	6,280.58	6.280.58	101-3761
002107	000			1,002,75	1.002.75	101-3761
			Mains New All Star Grill			
002108	000		Mains Repl-Cutter Spur	1,876.92	1,876.92	101-3761
	000		Mains Repl-CR486	94,492,13	94,492,13	101-3761
	000		MAINS NEW APAC 6 INCH	6.559.11	6,559,11	101-3761
	000		MAINS GORDONS FOOD	12.851.19	12,851.19	101-3761
002134	000		MAINS GORDONS FOOD (CO	5,413,94	5,413.94	101-3761
002135	000	12/31/2010	Mains-new Hong Kong CiCis	(4,663.75)	(4,663.75)	101-3761
002136	000		MAINS 980 OLEANDER	52,362.70	52, <b>362,70</b>	101-3761
002137	000		MAINS HC CHICKEN N FISH	1,041.73	1.041.73	101-3761
002138	000		MAINS AUB GATE	651.38	651.38	101-3761
002139	000		CR486 MAINS RESIDUAL FRO	13,227.59	13.227.59	101-3761
	000		CR486 MAINS RESIDUAL FRO	28.51	28.51	101-3761
002168	000		Mains-Gordons Food	(800.00)	(800.00)	101-3761
002169	000		Mains-RaceTrac Relocate	1,166.00	1,166.00	101-3762
002170	000		Mains-Lake Mattie Connector	1,967.40	1,967.40	101-3762
002175	000			2,206.00	2,206.00	101-3761
			Davenport School			101-3761
002181	000		SIP AND DIP MAIN INSTALL	166.66	166.66	
002191	000		AUBURNDALE MAINS	800.00	800.00	101-3761
002192	000		US 98 HOSPITAL INSTALL	5,824.73	5,824.73	101-3761
002193	000		MR. GYROS GRILL INSTALL	7,835.99	7,835.99	101-3761
002194	000		313 TENNYSON INSTALL	1,614.74	1,614.74	101-3761
002195	000		3RD STREET NW INSTALL	6,521.52	6,521.52	101-3761
002196	000		MERCANTILE CT.	1,678.00	1,678.00	101-3761
002212	000		US27 DUNDEE ROAD	10,832.01	10,832.01	101-3761
002214	000	09/30/2011	VERMONT AVE RELOCATION	9,476.94	9,476.94	101-3761
002215	000		VERMONT AVE RELOCATION	2,280,75	2,280.75	101-3761
002216	000		TASTE OF PHILLY	5,360,64	5,360.64	101-3761
002217	000		OSAKA STEAKHOUSE	8,137.79	8,137,79	101-3761
002218	000		A AND E AUTOBODY	23,427.75	23,427.75	101-3761
002219	000		A and E Auto Body	24,325,72	24,325.72	101-3761
002237	000		Legoland 2PE Install	10,155.00	10,155.00	101-3761
002238	000					
002239	000		Burger King Bartow	4,725.31	4,725.31	101-3761
			Auburndale Downtown	240.14	240.14	101-3761
002240	000		3rd St. NW Relocation	672,17	672.17	101-3761
002241	000		Wilson Street 4 PE	8,781,50	8,781.50	101-3761
002242	000		CR486 Main Installation	1,296,21	1,296.21	101-3761
002243	000		Wash HouseCR	7,151.50	7,151.50	101-3761
002244	000	10/31/2011	N. Florida Peanuts Farm	14,068.82	14.068.82	101-3761

002263	000	03/31/2011	Walden Pointe	75.168.57	75,168.57	101-3761
002277	000		PC COLLEGE RELOC	525.48	525,48	101-3761
002278	000		MAINS GORDONS FOOD	(21,410.00)	(21.410.00)	101-3761
002279	000		CF486 RELOC	16.801.26	16,801.26	101-3761
002280	000		CHINA GOURMET	5.147.07	5,147.07	101-3761
002296	000		WALDEN POINTE	43,000.00	43,000.00	101-3761
002297	000		US 98 HOSPITAL 540A	503.55	503.55	101-3761
002298	000		SIP AND DIP	3.240.62	3.240.62	101-3761
002299	000		WH HIGH RELOCATION	2.950.00	2,950.00	101-3761
002300	000		PC COLLEGE RELOC	1.500.00	1,500,00	101-3761
002301	000		CF486 RELOC	1.121.48	1,121,48	101-3761
002321	000		AUBURNDALE DOWNTOWN		224.08	101-3761
002322	000		LEGOLAND 2PE INSTALL	112.28	112.28	101-3761
002323	000		SUNSHINE GARDENS 2PE	(790.45)	(790.45)	101-3761
002324	000		CF486 RELOC	(578.63)	(578.63)	101-3761
002345	000		Aubumdale Downtown	6.359.27	6,359,27	101-3761
002346	000		Pathway Invest	1.088.37	1.088.37	101-3761
002347	000		Especially 4 U	5.201.99	5,201.99	101-3761
002348	000		Reflections Residential	8,556,80	8,556.80	101-3761
002349	000		Hollywood Pizza	10,355,49	10.355.49	101-3761
002350	000		16th NW Main Relocation	14,979,88	14,979.88	101-3761
002366	000		North Florida Peanuts Farm	3,857.72	3,857,72	101–3761
002367	000		Laundromat Homosassa	12,472,49	12,472,49	101-3761
002368	000		CR Checkers	2.635.13	2,635,13	101-3761
002369	000		N. Florida Peanut Farm	3.069.18	3,069,18	101-3761
002377	000		Vermont Avenue Relocation	(29.46)	(29.46)	101-3761
002378	000		APAC 6 - 4 PE	(3,126,15)	(3,126,15)	101-3761
002379	000		Sunshine Gardens 2 PE	6.011.63	6.011.63	101-3761
002380	000		Giovan's Pizza	1,157.32	1,157.32	101-3761
002381	000		Preferred Medical	70.558.90	70,558.90	101-3761
002382	000		PC College Relocation	372.98	372.98	101-3761
002383	000		Wilson Street	71.61	71.61	101-3761
002384	000		16th NW Main Reloc WH	4.709.94	4,709.94	101-3761
002385	000		8th Street and Connecticut	9.847.90	9.847.90	101-3761
002386	000		17th Street Bridge	14.267.28	14,267,28	101-3761
002398	000		Edwater Cycle Main	2,212.81	2.212.81	101-3761
002399	000		Farm Fresh Market	1.558.58	1,558.58	101-3761
002400	000		N. Florida Peanuts Farm	30.320.52	30.320.52	101-3761
002401	000	<del></del>	Angelotis Restaurant	5,292.06	5,292.06	101-3761
002406	000		Del Webb AC	1,991.72	1,991.72	101-3761
002407	000		Sunshine gardens 2PE	502.64	502.64	101-3761
002408	000		CF486 Reloc	1.643.51	1,643.51	101-3761
002409	000		Especially 4 You	10.44	10.44	101-3761
002420	000		1st St and Ave O SW	6,091.23	6,091.23	101-3761
002430	000		Mid Florida CU	2,391.99	2,391.99	101-3761
002431	000		1st Ave and O SW	15.597.13	15,597.13	101-3761
002432	000		Oak Street and Parker	6,268.06	6,268.06	101-3761
		T				
Grand Total				\$ 6,010,736.98	\$ 6,010,736.98	
Less disposals and transfers				0.00	0.00	
Count = 0						
Net Grand Total				\$ 6,010,735,98	\$ 6.010,736,98	
Count = 212	l					<u> </u>

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	+	<del></del>	Asset Basis Report		<del> </del>	<del> </del>	
	<del> </del>		Asset basis Report	ļ	<del></del>		
Book = Internal	╁	<del> </del>		<del> </del>	<u> </u>	<b>}</b>	
Book = Internal		<del></del>					
FYE Month = December	r,						ļ
	<del> </del>				<u> </u>		
							<u>                                     </u>
Sys No	Ext	AcaDate	Description	AcquiredValue	DepreciableBasis	KeyCode	G/L Asset Acct No
001261	000	nemorane	Mains - ST			<del> </del>	404 2702
001262	000		Mains - ST	\$ 0,00 34,666,64	\$ 0.00 34.666.64		101-3762 101-3762
001263	001		Mains - ST	53,894,36	53,894.36		101-3762
	002		Mains - ST	235.644.63	235.644.63	<u> </u>	101-3762
001264	000		Mains - ST	0,00	0.00	d	101-3762
001265	000		Mains - ST	19,895,64	19.895,64		101-3762
001336	000	09/30/2006	Mains - ST	32,919.06	32,919.06		101-3762
001339	000		Mains - ST	95,455,54	95,455.54		101-3762
001367	000		Mains - ST	378,229.83	378,229,83		101-3762
001378	000		Mains - ST	24,570,03	24,570.03		101-3762
001390	000		Mains - ST	18.554.14	18,554,14		101-3762
001392	000		Mains - ST	42.819.89	42,819,89		101-3762
001404 001422	000		Georgia Pacific - Mains	795,008.35	795,008,35		101-3762
001437	000		Mains - ST Mains - ST	13,637,98 28,919.63	13.637.98		101-3762 101-3762
001591	1000	06/30/2008		7.319.64	28,919.63 7.319.64		101-3762
001660	000		Mains-R/W of US27 to Oakley Trans	96,101.22	96.101.22	<del> </del>	101-3762
001661	000		Mains-R/W of US27 to Oakley Trans	1,183,70	1,183,70		101-3762
002109	000		Mains Reinf-Reim FGT Lateral	2,500,00	2,500,00		101-3762
002111	000		Mains Reinf-FGT Lake Alfred	2,500.00	2,500,00		101-3762
002126	000		PLANT CITY WEST SIDE MAINS	2,658,56	2,658,56		101-3762
002128	000		FGT WH LATERAL 4 INCH STEEL 2.3 MILES	326,500.00	326,500.00		101-3762
002129	000		FGT LAKE ALFRED 4.1 MILES OF 4" ST & 6.7 MILES	326,500,00	326.500.00		101-3762
002140	000	12/31/2010	LAKE MATTIE CONNECTOR	63.846.62	63,846,62		101-3762
002169	000		Mains-RaceTrac Relocate	1,166.00	1,166,00		101-3762
002170	000		Mains-Lake Mattie Connector	1,987,40	1,967,40		101-3762
002211	1000		REYNOLDS AND LAKE INSTALL	8,314.56	8,314,56		101-3762
002213	000		6TH STREET RELOCATION	9,757,81	9,757.81		101-3762
002264	000		Lake Mattie Connector	91.318.45	91.318.45		101-3762
002302	000		BURGER KING BARTOW	12.360.50	12,360,50	ļ	101-3762
002351 002352	000		MetPro 2 CTD	1 446 84	1,446,84		101-3762
002353	000		Sun Bulb Company	27,919,70	27,919,70 4,194,11	<b>,</b>	101-3762 101-3762
002371	000		12th and Alabama Install Kersey's Funeral Home	4.194.11 7.371.18	7,371,18		101-3762
002372	000		Bartow Village Laundry	15,517,59	15.517.59		101-3762
002373	000		Laundromat Homosassa	3.216.20	3,216,20		101-3762
002387	000		Lake Mattie Connector	354.42	354.42		101-3762
002388	000		Reynolds and Lake install	(152,73)	(152.73)		101-3762
002402	000		Bartow Village Laundry	(82.48)			101-3762
Grand Total	<b>↓</b>			\$ 2,787,995,01	\$ 2,787,995,01		
Less disposals and transfers	4	+		(88.561.00)	(88.561.00)		
Count = 4 Net Grand Tota	<del> </del>	+		# 0 #00 404 54	# 0 COO 424 D4		
Net Grand Total Count = 35		+		\$ 2.699.434.01	<b>5</b> 2.699.434.01		
South - 30				L	L		L

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FYE Month = December	ar							ļ	<del> </del>
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Sys No	Ext	AcqDate	Description		AcquiredValue	Dan-seighle Basis	Van Cada	C/L Appet A	
		- Ucdoore	Description		Acquiredvaille	DepreciableBasis	VeACOGE	G/L Asset Ad	CEND
000294	001	12/31/1977	SERVICES		\$ 0.00	\$ 0.00			)
000700	002		SERVICES		0.00	0.00			
000733	001		SERVICES		0.00	0.00			
	005		SERVICES SERVICES	<del></del>	0.00	0.00			<u> </u>
	007		SERVICES		0.00	0.00			<del>                                     </del>
	009		SERVICES		0.00	0.00			
	011		SERVICES		0.00	0.00			
	013		SERVICES		0.00	0.00			
	015 017	12/31/19/7	SERVICES SERVICES		0.00	0.00			<del></del>
	019	12/31/1977	SERVICES		0.00	0.00			
	021		SERVICES		0.00	0.00			<del></del>
	022		SERVICES		0.00	0.00			
000735	001		SERVICES		0.00	0.00			
	003 005	12/31/1978	SERVICES SERVICES		0.00	0.00			
	007	12/31/19/8	SERVICES SERVICES		0.00	0.00 0.00			
	009	12/31/1978	SERVICES		0.00	0.00			
	011	12/31/1978	SERVICES		0.00	0.00			
	013	12/31/1978	SERVICES		0.00	0.00			
	015 016	12/31/1978 12/31/1978			0.00	0.00			
000737	001	12/31/1979			0.00	0.00 0.00			
	003	12/31/1979			0.00	0.00			
	005	12/31/1979	SERVICES		0.00	0.00			
	007	12/31/1979			0.00	0.00			
	009	12/31/1979	SERVICES		0.00	0.00			
	012	12/31/1979 12/31/1979			0.00	0.00			
000739	001	12/31/1980			0.00	0.00			
	003	12/31/1980	SERVIÇES		0.00	0.00			
	005	12/31/1980			0.00	0.00			
	007	12/31/1980 12/31/1980	SERVICES		0.00	0.00			- "
	011	12/31/1980			0.00	0.00 0.00			
	013	12/31/1980	SERVICES		0.00	0.00			
	015	12/31/1980			0.00	0.00			
	017	12/31/1980			0.00	0.00			
	019	12/31/1980 12/31/1980			0.00	0.00			
000741	001	12/31/1981	SERVICES		0.00	0.00			
	003	12/31/1981			0.00	0.00			
	005	12/31/1981	SERVICES		0.00	0.00			
	007	12/31/1981			0.00	0.00			
	009 011	12/31/1981			0.00	0.00			
	013	12/31/1981 12/31/1981	SERVICES		0.00	0.00 0.00			
	015	12/31/1981	SERVICES		0.00	0.00			
	017	12/31/1981	SERVICES		0.00	0.00			
	019	12/31/1981			0.00	0.00			
000743	020	12/31/1981 12/31/1982			0.00	0.00			·····
	003	12/31/1982			0.00	0.00			
	005	12/31/1982	SERVICES		0.00	0.00			
	007	12/31/1982	SERVICES		0.00	0.00			
	009 011	12/31/1982 12/31/1982			0.00	0.00			
	012	12/31/1982	SERVICES		0.00	0.00			
000745	001	12/31/1983	SERVICES		0.00	0.00			
	003	12/31/1983	SERVICES		0.00	0.00			
	005	12/31/1983			0.00	0.00			
	007	12/31/1983 12/31/1983			0.00	0.00 0.00			
· · · · · · · · · · · · · · · · · · ·	010	12/31/1983			0.00	0.00			
000747	001	12/31/1984	SERVICES		0.00	0.00			
	003	12/31/1984			0.00	0.00			
	005	12/31/1984			0.00	0.00			
	007	12/31/1984 12/31/1984			0.00	0.00			
	011	12/31/1984	SERVICES		0,00 0.00	0.00			
	013	12/31/1984	SERVICES		0.00	0.00			·
	015	12/31/1984	SERVICES		0.00	0.00			
000749	016 001	12/31/1984			0.00	0.00			
1001-49	003	12/31/1985 12/31/1985			0.00	0.00			
	005	12/31/1985			0.00	0.00			
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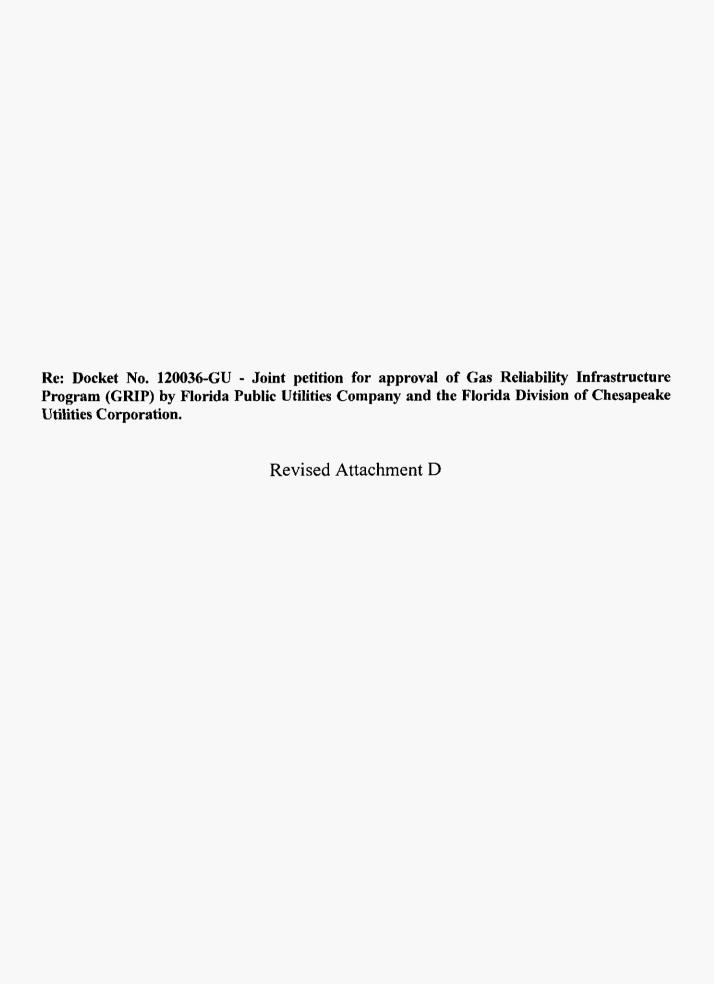
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	007		SERVICES	0.00				
	009		SERVICES	0.00			<b>_</b>	<u> </u>
	011		SERVICES	0.00				
	015		SERVICES SERVICES	0.00			<del></del>	<del> </del>
	017	12/31/1905	SERVICES	0.00			<b>—</b>	+
	018		SERVICES	0.00			<b>†</b>	· <del> </del>
000751	001		SERVICES	0.00			1	
	003		SERVICES	0.00				1
	005		SERVICES	0.00				1
	007	03/31/1987	SERVICES	0.00				1
	009		SERVICES	0.00	0.00			
	010		SERVICES	0.00				
000065	001		SERVICES	0.00			<u> </u>	
	003		SERVICES	0.00			ļ	
000066	004 001		SERVICES	0.00				
000000	001	09/30/1987	SERVICES SERVICES	0.00				
	005	09/30/1907	SERVICES	0.00				
	006		SERVICES	0.00				<b>†</b>
000067	001		SERVICES	0.00				
	002	12/31/1987	SERVICES	0.00				
000753	001	03/31/1988	SERVICES	0.00				1
	003	03/31/1988	SERVICES	0.00				
	005	03/31/1988	SERVICES	0.00				
	007	03/31/1988	SERVICES	9.00	0,00	<u> </u>		
	009	03/31/1988	SERVICES	0.00				
· · · · · · · · · · · · · · · · · · ·	011	03/31/1988	SERVICES	0.00			ļ <u> </u>	<b></b>
000070	012	03/31/1988		0.00	0.00			
000070	000	09/30/1988	SERVICES			d		<b></b>
000071 00075 <b>5</b>	000	12/31/1988				d		<b> </b>
UUU133	001	03/31/1989 03/31/1989	SERVICES	0.00		<del> </del>	<del> </del>	1
	005	03/31/1989		0.00		<del>                                     </del>		
	007	03/31/1989		0.00		<del> </del>	+	<del> </del>
	009	03/31/1989		0.00		<del>                                     </del>		
	011	03/31/1989		0.00		<b>†</b>	T	<u> </u>
	013	03/31/1989		0.00				
	014	03/31/1989		0.00		1		
000073	[000	06/30/1989	SERVICES			d		I
000074	000	09/30/1989	SERVICES			d	]	
000075	000	12/31/1989				<u> d</u>		
000355	001	03/31/1990	SERVICES	0.00		<u> </u>	ļ	<b></b>
	003	03/31/1990		0.00		<del> </del>	<del> </del>	
· · · · · · · · · · · · · · · · · · ·	005	03/31/1990 03/31/1990	SERVICES	0.00		<del> </del>	<del> </del>	<del>                                     </del>
	007	03/31/1990	SERVICES	0.00		├──	<del>                                     </del>	<del> </del>
	011	03/31/1990		0.00			<del> </del>	<del> </del>
	013	03/31/1990		0.00				
	015	03/31/1990		0.00		<b>——</b>	1	
	017	03/31/1990		0.00				
	019	03/31/1990	SERVICES	0.00				
	020	03/31/1990	SERVICES	0.00	0.00	<del>1</del>		ļ
000241	000	06/30/1990				d	<b></b>	
000242	001	09/30/1990		0.00		<u> </u>	<del> </del>	<del> </del>
000757	002	09/30/1990		0.00		<del>                                      </del>	<del></del>	<u> </u>
000757	001	12/31/1991		0.00				
	1003	12/31/1991 12/31/1991	SERVICES	0.00				
	007	12/31/1991	SERVICES	0.00	<del></del>	<del> </del>	<del> </del>	1
	007	12/31/1991		0.00				
	011	12/31/1991		0.00			1	
	012	12/31/1991		0.00				
000422	001	12/31/1992	SERVICES	0.00	0.00			
	003	12/31/1992	SERVICES	0.00				
	005	12/31/1992		0.00			1	ļ
	007	12/31/1992	SERVICES	0.00			<u> </u>	ļ
·	009	12/31/1992		0.00		<del> </del>	<del> </del>	<del> </del>
000558	010	12/31/1992 12/31/1993		0.00				
	003	12/31/1993	SERVICES	0.00		<del>                                     </del>	†	
, , , , , , , , , , , , , , , , , , ,	005	12/31/1993		0.00				
	007	12/31/1993		0.00			T	
	008	12/31/1993		0.00				
000683	001	12/31/1994	SERVICES	0.00	0.00			
	002	12/31/1994	SERVICES	0.00		ļ <u></u>		
000811	001	12/31/1995		113.00				ļ
	003	12/31/1995		354.00			<del> </del>	
	005	12/31/1995		1,079.00			1	-
<del></del> .	007	12/31/1995		354.00			<del> </del>	<b> </b>
000881	001	12/31/1995 12/31/1996		163,471.24 399.00			<del>                                     </del>	<del> </del>
	003	12/31/1996		399.00				
	004	12/31/1996		217,116.51		Ĭ	<del> </del>	ļ
000918	001	12/31/1997		1,004,00		d		1
				220,379,34		<u> </u>	1	
	002	12/31/1997	SERVICES	1 220.018.04	220,379,34		1	
000946	001 003	12/31/1997 12/31/1998 12/31/1998	SERVICES	278.00		d		

	004	12/31/1998	SERVICES	211,288,40	211,288.40		1
000984	000		SERVICES	63,745.38	63,745.38		
000985	000		SERVICES	41,014.97	41,014.97		
000986	000		SERVICES	56,105.67	56,105.67		
000987	000		SERVICES	128,276.34	128,276.34		
001033	000		SERVICES	35,321.23	35,321.23		
001034	000		SERVICES	283,227.80	283,227.80		
001035	000		SERVICES	103,374.58	103,374.58		
001072	000		SERVICES	108,272.13	108,272.13		<b>4</b>
001073 001074	000		SERVICES	3,353.08	3,353.08		
001075	000		SERVICES	270,332.15	270,332.15	<b> </b>	ļ
001124	000		SERVICES	220,385.54	220,385.54		ļ
001125	000		SERVICES SERVICES	93,080.59	93,080.59	<b></b>	
001125	000		SERVICES SERVICES	72,154.67	72,154.67	ļ	<u> </u>
001127	000		SERVICES	208,822.27	208,822.27	<del></del>	<del> </del>
001181	1000		SERVICES	164,710,73	164,710.73	<u> </u>	<del> </del>
001211	000		SERVICES	725,646,35	725,646.35		
001212	000		SERVICES SERVICES	185,836,01	185,836,01		
001213	000	00/30/2004	SERVICES	183,061.42 169,689.78	183,061.42 169,689.78		
001214	000		SERVICES	138,850.93	138,850.93	<del> </del>	<del>                                     </del>
001249	000		SERVICES	61,504.60	138,850.93 61,504.60		
001269	000	09/30/2005		63,669.74	63,669.74	101-380	
001270	000	12/31/2005		94,349.53	94,349.53	101-380	
001271	000	12/31/2005		13,200.36	13,200,36	101-380	<del>                                     </del>
001467	000	12/31/2007		21,675.09	21,675.09	101-380	
001468	000	12/31/2007		11,837,37	11,837,37	101-380	
001491	000	01/31/2008		96,572.95	96.572.95	101-380	
001492	000	02/28/2008		29,227.02	29,227.02	101-380	
001493	000	03/31/2008		60,496.74	60,496.74	101-380	
001494	000	04/30/2008	Services	38,940.77	38,940.77	101-380	
001495	000	05/31/2008		24,039,84	24,039,84	101-380	
001531	000	06/30/2008	Services - Steel	(44,403.91)	(44,403.91)	101-380	
001596	000	06/30/2008	Services - Steel	66,835.70	66,835.70	101-380	
00153 <b>0</b>	000		Services - PL	31,564,28	31,564.28	101-380	
001532	000		Services - PL	51,630.58	51,630,58	101-380	
001562	000		Services - PL	31,298,27	31,298.27	101-380	
001563	000		Services - PL	47,053.02	47.053.02	101-380	
001564	000		Services - PL	23,994.46	23,994.46	101-380	
001565	000		Services - PL	63,164,53	63,164.53	101-380	
002421	000		1 inch Service Blanket	8,716.00	8,716,00	101-380	ļ
002422 002423	000		1 inch Service Blanket	6,527.52	6.527.52	101-380	
002424	000		Over 2 inch Service Blanket	3,876.39	3,876,39	101-380	<del></del>
002425	000		1 inch Service Blanket	2,242.52	2,242.52	101-380	
002426	000		.5 inch Service Replcaement Blanket 1/2 inch Service Blanket	8,590.96	8,590.96	1010-3801	
002427	000	***************************************	Meter Install Blanket	18,476.39 2,794.11	18,476.39 2,794.11	101-380 101-3820	-
002428	1000	02/29/2012		1,402.38	1,402.38	1010-3910	
002429	000	02/29/2012		2,281.76	2,281.76	101-380	
002433	000		1 inch Service Blanket	3,121.41	3,121,41	101-380	
002434	000		1 inch Service Blanket	58,462.55	58,462,55	101-380	
002435	000		2 inch Service Blanket	12,279.18	12,279,18	101-380	
002436	000		Over 2 inch Service	(3,724.00)	(3,724.00)	101-380	
002437	000		.5 inch Service Rep	1,767.61	1.767.61	1010-3801	
002438	000		1/2 Inch Services New	49,649.36	49,649.36	1010-3801	
002446	000		1 inch Service Blanket	25,350.63	25,350.63	101-380	
002447	000		2 Inch Service Blanket	13,708.30	13,708.30	101-380	
002448	000	04/30/2012	1/2 Inch Service Blanket	4,913,34	4,913,34	101-380	
002449	000		1/2 Inch Service Replacement Blanket	148,84	148.84	101-380	
002450	000	04/30/2012	Meter Install Blanket	14,133.75	14,133.75	101-380	
Grand Total				\$ 5,132,708.12	\$ 5,132,708.12		
Less disposals and transfers				(43,821.07)	(43.821.07)		ļ
Count = 15	ļ		21				
Net Grand Total		<del> </del>		\$ 5,088,887.05	\$ 5.088.887.05		
Count = 210	1	<u>.                                    </u>				<u> </u>	

				CFG		1	I	T	T
				Asset Basis Report				<del>                                     </del>	-
<b>D</b>									
Book = Internal FYE Month = December		<u> </u>						-	<del> </del>
T TE MOTHET - December	<del> </del>					<u> </u>		-	
Sys No	Ext	AcqOate	Description		AcquiredValue_	poreciable Basis	KeyCode	G/L Asset A	cct No
001272 001273	000	03/31/2005	Services - PL		\$ 160,154,06	\$ 160,154.06		101-3801	
001274	000	09/30/2005	Services - PL Services - PL		147,202,78 144,151,72	147,202,78 144,151,72		101-3801	<del>                                     </del>
001275 001276	000	12/31/2005	Services - PL Services - PL		45.512.62 83.757.73	45,512,62 83,757,73		101-3801 101-3801	<u> </u>
001277 001278	000	06/30/2005	Services - PL		91,233,31	91,233,31		101-3801	
001279	000	12/31/2005	Services - PL Services - PL		4,933 30 10,887,40	4.933.30 10.887.40		101-3801 101-3801	
001316 001329	000		Services - PL Services - PL		104,289,55 203,592,54	104.289.55 203.592.54		101-3801 101-3801	
001341	000	06/30/2006	Services - PL Services - PL		443,525,95	443,525.95		101~3801	
001350 001351	000	06/30/2006	Services - PL		280,944.28 (96.042.40)	280,944,28 (96,042,40)		101-3801 101-3801	<del>                                     </del>
001359 001382	900		Services - PL Services - PL		48,342,50	48.342.50		101-3801	ļ
001398	000	12/31/2006	Services - Pt.		66,835,70 108,566,97	66,835.70 108,566.97		101-3801 101-3801	
001418 001419	000	03/31/2007	Services - PL Services - PL		107.546.96 50,729.68	107.546.96 50.729.68		101-3801 101-3801	<del> </del>
001465 001466	000	12/31/2007	Services - PL		71.830.02	71.830.02		101-3801	
001469	000	06/30/2007	Services - PL Services - PL		22.858.77 142.805.98	22,858,77 142,805,98		101-3801 101-3801	<u> </u>
001470 001473	000	06/30/2007	Services - PL Services - PL		33,128,24 41,137,40	33,128.24 41,137,40		101-3801	<del></del>
001474	000	09/30/2007	Services - PL		89,721.93	89.721.93		101-3801	
001667 001668	000		Services 1/2 Inch Services 1/2 Inch		593.09 29.095.54	593.09 29.095.54		101-3801 101-3801	
001669 001670	000	03/31/2009	Services 1/2 inch		14,984,04	14.984.04		101-3801	
001671	000	05/31/2009	Services 1/2 inch Services 1/2 inch		10.611.85 12.893.99	10.611.85 12.893.99		101-3801 101-3801	
001672 001673	000		Services 1/2 inch Services 1/2 inch		11,392,96 4,813,30	11.392,96 4,813,30		101-3801 101-3801	
001674 001675	000	09/30/2009	Services 1/2 inch		4,461,11	4.461.11		101-3801	
001676	000	10/31/2009	Services 1/2 inch Services 1/2 inch		7,460,25 11,580,17	7,460,25 11,580,17		101-3801 101-3801	<del> </del>
001677 001678	000	11/30/2009	Services 1/2 inch		5.711.03	5.711.03		101-3801	
001679	000	01/31/2009	Services 1/2 inch Services 1/2 inch		14,006,85 2,720,23	14.006.85 2.720.23		101-3801 101-3801	
001680 001681	000	04/30/2009	Services 1/2 inch Services 1/2 inch	***************************************	1,961 74 8,590.63	1,961,74 8,590,63		101-3801	
001682	000	03/31/2009	Services 1/2 inch		4.531.13	4,531.13		101-3801	
001683 001684	000		Services 1/2 inch Services 1/2 inch		2,587.77 2,871.78	2.587.77 2.871.78		101-3801	
001685 001686	000	08/31/2009	Services 1/2 inch Services 1/2 inch		2,528 10	2,528.10 (1,136,54)		101-3801 101-3801	
001687	7000	10/31/2009	Services 1/2 inch		(1,136,54) 640,27	640.27		101 3801	
001688 001689	000		Services 1/2 inch Services 1/2 inch		2,886,88 (840,52)	2,886,88 (840,52)		101-3801 101-3801	
001690 001691	000	01/31/2009	Services 1 inch		437.92	437,92		101-3801	
001692	000	03/31/2009	Services 1 inch Services 1 inch		13.220.31 9,713.50	13.220.31 9.713.50		101-3801	
001693 001694	000		Services 1 inch Services 1 inch		4.241.03 1.582.90	4.241.03 1.582.90		101-3801 101-3801	<b></b>
001695 001696	000	06/30/2009	Services 1 inch		13,953,51	13,953,51		101-3801	
001697	000	07/31/2009	Services 1 inch Services 1/2 inch		2,359,95 4,695,60	2.359.95 4.695.60		101-3801	
001698 001699	000		Services 1 inch Services 1 inch		1,972.37 15,837.75	1,972,37 15,837,75		101-3801 101-3801	
001700	000	11/30/2009	Services 1 inch		451.65	451.65		101-3801	
001701 001702	000		Services 1 inch Services 1 inch		3,878.10 7,223,87	3,878.10 7,223,87		101-3801 101-3801	
001703 001704	000	01/31/2009	Services 1 inch		(812.90)	(812.90)		101-3801	
001705	000	04/30/2009	Services 1 inch Services 1 inch		456.32 3.950.30	456,32 3,950,30		101-3801 101-3801	
001706 001707	000	08/31/2009	Services 1 inch Services 1 inch		3.964.06 408.07	3,964.06 408.07	······································	101-3801 101-3801	
001708 001709	000	07/31/2009	Services 1 inch		185,37	185.37		101-3801	
001710	000	10/31/2009	Services 1 inch Services 1 inch		1,610.00 3,675.42	1,610,00 3,675,42		101-3801 101-3801	
001711 001712	000	12/31/2009	Services 1 inch Services 2PE		(772.31) 1,035.00	(772.31) 1.035.00		101-3801 101-3801	
001713 001714	000	03/31/2009	Services 2PE		484,20	484,20		101-3801	
001715	000	07/31/2009	Services 2PE Services 2PE		537.14 71.41	537.14 71.41		101-3801 101-3801	
001716 001717	000	08/31/2009	Services 2PE Services 2PE		835.29 1,552.58	835.29 1,552.58		101-3801	
001718 001719	000	11/30/2009	Services 2PE		11.279.80	11,279.80		101-3801	
001720	000	02/28/2009	Services 2PE Services 2PE		(3.777.75)	(3,777,75) 1,547,97		101-3801	
001721 001722	000	04/30/2009	Services 2PE Services 2PE		2.040.00 (1.001.13)	2.040.00 (1.001.13)		101-3801 101-3801	
001723	000	12/31/2009	Services 2PE		(459.15)	(459.15)		101-3801	
001724 001948	900	12/31/2009	Service 4PE APAC SE Services 2PE		15,308.00 273.62	15,308,00 273,62	*	101-3801	
001954 001955	000	01/31/2010	1/2 Service Blanket	3\$	2.486.00	2,486.00		101-3801	
001956	1000	01/31/2010	1/2 Service new Blanke 1 inch Service Blanket-	renew	7,305,66 593,62	7,305,66 593,62		101-3801 101-3801	
001957 001962	000	01/31/2010	1 inch Service Blanket- Services 2PE	New	1.694.65 425.00	1,694,65 425,00		101-3801 101-3801	
001966 001967	1000	02/28/2010	1/2 Service new Blanke	<b>.</b>	14,326,04	14,326,04		101-3801	
001968	000	02/28/2010	1 inch Service New Ce 1/2 inch Serv New North	h	4.353.27 600.00	4,353,27 600,00		101-3801	
001969 001979	000	02/28/2016	1 inch Serv New-North 1/2 Service Blanket		930.81	930,81		101-3801	
001980	1000	03/31/2010	1/2 Service-new Blanke		(1,287.60) 12.598.88	(1,287,60) 12,598,88		101-3801 101-3801	
001981 001982	000	03/31/2010	1/2 inch Serv New-Nor 1/2 inch Serv Replace	Neeth	1.100.00 700.00	1,100,00 700,00		101-3801 101-3801	

Townson .	<del></del>					
001983	000		0 1 inch Service New-Central	6,359,42	6.359.42	101-3801
001984 001997	000	03/31/201	0 2 inch Service Central	1.026.34		
001996	000	04/30/201	1/2 Service Blanket	118.00		
001999	000	04/30/2011	1 1/2 Service-new Blanket 1 1/2 inch Serv New-North	10,644,98		
002000	1000	04/30/201	1 inch Service New Central	2.207.50		
002011	1000	05/31/2016	11/2 Service new	287.55 7.644.23		
002012	000	05/31/2019	1 inch Service New-Central	10,396,16		
002018	000	05/31/2010	1 inch Service New-North	553.73		
002019	000	05/31/2010	2 1/2 inch Serv New-North	3,814.85		
002033	000	06/30/2010	1/2 Service-new	5.734.04	5,734.04	
002034	000	06/30/2010	1 inch Service New-Central	3,366,85		
002035	000		1/2 Service Blanket	760.80		191-3801
002036 002046	000	06/30/2010	1/2 inch Serv New-North	572.12		101-3801
002047	000		1/2 Service-New	4.369.57		101-3801
002048	000	07/31/2011	1/2 Service-replacements	86.10		
002049	000		1 inch Service New-Central Crop Nutrition-2PE Serv	4,744.87		101-3801
002052	000	07/31/2010	1 inch Serv New-North	5.091.30		101-3801
002062	000	08/31/2010	1/2 inch Service-New Central	450.00 7,282.37	450.00 7.282.37	101-3801 101-3801
002063	000	08/31/2010	1/2 Inch Service-New North	2.979.36	2,979.36	101-3801
002064	000	08/31/2010	1 inch Service-New Central	9,782.26	9,782.28	101-3801
002065	000	08/31/2010	1 inch Service-New North	7,953.20		101-3801
002075	000	09/30/2010	1/2 inch Service-New Central	6.870.78	6,870.78	101-3801
002076	000	09/30/2010	1/2 inch Service-Replace North	267.33	267.33	
002077	000	09/30/2010	1/2 inch Service-New North	5,236,35	5,236,35	101-3801
002078	000	09/30/2010	1 inch Service New Central	11.875.82	11.875.82	101-3801
002079 002093	000	09/30/2010	1 inch Service-New North	5,477.91	5,477.91	101-3801
002094	000		1/2 Service-new	5.086,48	5.086.48	101-3801
002095	000	10/31/2010	1/2 inch Serv New North	1,757.50	1,757.50	
002096	000		1 inch Service New Central 1 inch Serv New North	4,605,19		
002097	000		1 inch Serv New-North	9,198.03	609.71 9.198.03	101-3801 101-3801
002115	000		Gordons food 4PE	1,535.63	1,535.63	101-3801
002116	000		1/2 inch Service-New Central	5,468,64	5,468.64	101-3801
002117	000	11/30/2010	1/2 inch Service-New North	300.00	300.00	101-3801
002118	000	11/30/2010	1 inch Service-Repl Central	249.83	249.83	101-3801
002119	000	11/30/2010	1 inch Service-New Central	4,268,99	4,268,99	101-3801
002120	000	11/30/2010	1 INCH SERVICES NORTH	(2.038,49)	(2.038,49)	
002142	000	12/31/2010	1/2 inch Service-New Central	1,799,10	1,799,10	
002143	000	12/31/2010	1/2 inch Service-New North	959,49	959.49	101-3801
002144	000	12/31/2010	1 inch Service New Central	12,653,14	12.653.14	101-3801
002145 002146	000		1 INCH SERVICES NORTH	7.187.80	7,187,80	101-3801
	000		GORDONS FOOD 4" PE SERV (RESIDUAL PART OF ANOTHER ASSET) 1/2 Services Blanket	373.11	373.11	101-3801
	000		1 inch Service Blanket	12.924.06 1.609.07	12.924.06 1.609.07	101-3801 101-3801
	000		1 inch Service Bild	46,343.19	45,343.19	101-3801
	000	03/31/2011	1/2 services blkt	36.978.16	36,978,16	101-3801
	000	03/31/2011	1/2 inch service	6.303.03	6.303.03	101-3801
002269	000	03/31/2011	1/2in Serv-Reol-N	82.91	82.91	101-3801
	000	03/31/2011	1 inch service	110.55	110.55	101-3801
	000	03/31/2011	1 INCH SERVICE	11.117.37	11,117,37	101-3801
	000		1/2 SERVICES BLKT	6,334,21	6.334.21	101-3801
	000	04/30/2011	1 INCH SERVICE BLKT	13,781.52	13.781.52	101-3801
	000		11 INCH SERVICE	12.279.01	12.279.01	101-3801
	000		1/2 Services Blanket	417.18 7.521.18	417.18 7.521.18	101-3801 101-3801
	000		1IN SERVICES BILLINEI	24.771.53	24,771.53	101-3801
	000		11 INCH SERVICE	11.717.47	11.717.47	101-3801
002313	000		1/2 INCH SERVICE	1.773.17	1,773,17	101-3801
002314	000		1 INCH SERVICE	2.232.05	2,232,05	101-3801
	000	06/30/2011	1 INCH SERVICE BLKT	4,447,47	4.447.47	101-3801
	000		1/2 SERVICES BLKT	3,992,38	3,992.36	101-3801
002337	000		1 INCH SERVICE	1,671.86	1,671,86	101-3801
	000		1 INCH SERVICE	511.46	511 <u>46</u>	101-3801
	000		1/2 INCH SERVICE	1.736.60	1,736.60	101-3801
	000		1/2 Inch Service Services 1 inch	3.975.50	3,975,50	101-3801
	000		1/2 Services Blanket	(23,738,36)	(23,738,36) 13,969,49	101-3801 101-3801
	000		11 inch Service Blanket	13.989.49 25.152.04	25,152,04	101-3801
	000		Services 1/2 inch	4,305,23	4,305,23	101-3801
	000	12/31/2011	1 inch Service	2 649 85	2.649.85	101-3801
	000		1/2 Services Blanket	22.311.98	22,311,98	101-3801
Grand Total						
Less disposals and transfers				0.00	0.00	
Count = 0						<u> </u>
Net Grand Total				<b>3.167.747.84</b>	\$ 3.167.747.84	
Count = 1691					I	

	İ			CFG			1	
			Ass	set Basis R	leport			
Book = Internal								
FYE Month = December								
— — — — — — — — — — — — — — — — — — —								
Sys No	Ext_	AcqDate	Description	1	AcquiredValue	DepreciableBasis	KeyCode	G/L Asset Acct No
001280	000	03/31/2005	Services - ST		\$ 0.00	\$ 0.00	ld	101-3802
01281	000		Services - ST		0.00	0.00		101-3802
001282	001		Services - ST		1.486.67	1,486.67		101-3802
	003		Services - ST		15.31	15.31		101-3802
	004		Services - ST		36,877.58	36,877,58		101-3802
001283	000	12/31/2005	Services - ST		5,809,98	5,809.98		101-3802
Grand Total					\$ 44,189,54	\$ 44,189,54		
Less disposals and transfers					(1,501,98)			
Count = 4								
Net Grand Total					\$ 42,687.56	\$ 42.687.56		
Count = 2	ļ				1	<u> </u>	<u> </u>	
				Rep	ort Assumptions	i		
	1							
				1				



Gas Reliability Infrastructure Program (GRIP) Investment and Annual Recovery information

## Attachment D (REVISED) Schedule A (FPUC)

		Plant					
Item	<u>%</u>	<u>Amount</u>	Quantity		<u>Per U</u>	nit \$	
Bare Steel (Qualified) Remaining Replacement Investment, approved in Docket No. 080366-GU							
Mains	\$	27,939,030	219.2	Miles	\$	127,459	
Services		9,447,335	11,602	Each	\$	814	
Total Bare Steel replacement Investment 1/1/2009	\$	37,386,365	:				
Estimated Qualified Remaining Replacement Investment as of 6/30/2012							
Mains	80% \$	25,236,882	198	Miles	\$	127,459	
Services	20%_\$	6,495,720	7,980	Each	\$	814	
Remaining Qualified Replacement Investment as of 06/30/2012	\$	31,732,602	:				
Annual Qualified Replacement Investment, beginning 7/1/2012	7/1	/2012-6/30/2014	10	Years	7/1/20:	14-6/30/2022	
Mains	\$	4,290,270			\$	2,082,043	
Services	\$	1,104,272			\$	535,897	
Total Annual Qualified Replacement Investment	\$	5,394,542	:		\$	2,617,940	
		Net					
	_	Amount					
Annual Amortization, 50 year period, approved in Docket No. 080366-GU, beginning 1/1/2009							
Mains	\$	558,780					
Services		188,947					
Total Annual Amortization	\$	747,727	•				
Accumulated Amortization as of 06/30/2012, 50 year amortization program							
Mains	\$	1,955,730					
Services		661,315					
Accumulated Amortization as of 06/30/2012	\$	2,617,045	:				
Docket No. 080366-GU							
Equity Cost Rate		10.85%					
Weighted Equity Cost Rate		4.58%					
Revenue Expansion Factor		1.6197					
Weighted Equity Cost Rate, times Revenue Expansion Factor	_	7.418%					
Weighted Debt Cost Rate		3.59%					
Overall Weighted Cost Rate		8.17%					

Gas Reliability Infrastructure Program (GRIP) Calculation of the Projected Revenue Requirements July 1, 2012 through June 30, 2013

<u>Item</u> Qualified Investment Depreciation Rates Investment Expenses Total Revenue Requirements

Qualified investment - Mains - Current Year Qualified Investment - Services - Current Year

Total Qualified Investment - Mains Total Qualified Investment - Services **Total Qualified Investment** 

Less: Accumulated Depreciation Net Book Value

Average Net Qualified Investment

Approved Depreciation Rate-Mains Approved Depreciation Rate-Services

Return on Average Net Qualified Investment

Equity - Cost of Capital, inclusive of Income Tax Gross-up Debt - Cost of Capital

Equity Component - inclusive of Income Tax Gross-up Debt Component Return Requirement

Depreciation Expense - Mains Depreciation Expense - Services Property Taxes Customer Notice Expense General Public Notice Expense Total Expense

Annual Revenue Requirement for Bare Steel Replacement investment Net Annual Revenue Requirements

Estimated

Net Bare Steel/ Qualified Investment Recovery to date Net Bare Steel/Qualified Investment Made to date Net Recovery less Investment to be refunded/(collected) -True up

Attachment D (REVISED) Schedule 8 (FPUC) Page 1 of 10

Beginning													
Balance	July	Augusţ	<u>September</u>	October	November	<u>December</u>	January	<u>February</u>	March	<u>April</u>	Мау	<u>June</u>	Year End <u>Total</u>
	\$357,523	\$357,523	\$357,523	\$357,523	\$357,523	\$357,523	\$357,523	\$357,523	\$357,523	\$357,523	ČIET CIT	ć	
	\$92,023	\$92,023	\$92,023	\$92,023	\$92,023	\$92,023	\$92,023	\$92,023	\$92,023	\$92,023	\$357,523 \$92,023	\$357,523 \$92,023	\$4,290,270 \$1,104,27
\$0	\$357,523	\$715,045	\$1,072,568	\$1,430,090	\$1,787,613	\$2,145,135	\$2,502,658	\$2,860,180	\$3,217,703	da			
\$0	\$92,023	\$184,045	\$276,068	\$368,091	\$460,113	\$552,136	\$644,159	\$736,181	\$3,217,703	\$3,575,225	\$3,932,748	\$4,290,270	\$4,290,270
\$0	\$449,545	\$899,090	\$1,348,636	\$1,798,181	\$2,247,726	\$2,697,271	\$3,146,816	\$3,596,361	\$4,045,907	\$920,227 \$4,495,452	\$1,012,249	\$1,104,272	\$1,104,272
									<del></del>	34,433,43 <u>2</u>	\$4,944,997	\$5,394,542	\$5,394,542
\$0 \$0	(\$1,006)	(\$3,017)	(\$6,033)	(\$10,056)	(\$15,084)	(\$21,117)	(\$28,156)	(\$36,200)	(\$45,251)	(\$55,306)	(\$66,368)	(\$78,434)	1670
20	\$448,540	\$896,074	\$1,342,602	\$1,788,125	\$2,232,642	\$2,676,154	\$3,118,660	\$3,560,161	\$4,000,656	\$4,440,145	\$4,878,629	\$5,316,108	(\$78,434
-	6004.07	4									7.7	45,510,100	\$5,316,108
	\$224,270	\$672,307	\$1,119,338	\$1,565,364	\$2,010,384	\$2,454,398	\$2,897,407	\$3,339,411	\$3,780,408	\$4,220,401	\$4,659,387	\$5,097,368	
								<u></u>			4	0-70511000	
	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2					
	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	2.50%	2.50%	2.50%	2.50%	2.50%	
				5.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	
	7.4180%	7.4180%	7.4180%	7									
	3.5900%	3.5900%	3.5900%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	
	5.5500%	3.3300%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	
	\$1,386	\$4,156	\$6,919	\$9,677	\$12,428	\$15,172	\$17,911	\$20,643	£22.250				
	\$671	\$2,011	\$3,349	\$4,683	\$6,014	\$7,343	\$8,668	\$20,643 \$9, <del>99</del> 0	\$23,369	\$26,089	\$28,803	\$31,510	\$198,063
	\$2,057	\$6,167	\$10,268	\$14,360	\$18,442	\$22,515	\$26,579	\$30,534	\$11,310 \$34,679	\$12,626 \$38,715	\$13,939	\$15,250	\$95,854
								,	331,073	330,713	\$42,742	\$46,760	\$293,918
	\$745	\$1,490	\$2,235	\$2,979	\$3,724								
	\$261	\$521	\$782	\$1,043	\$3,724 \$1,304	\$4,469	\$5,214	\$5,959	\$6,704	\$7,448	\$8,193	\$8,938	\$58,097
	\$a	\$0	\$0	\$0	\$1,304	\$1,564	\$1,825	\$2,086	\$2,347	\$2,607	\$2,868	\$3,129	\$20,337
	\$24,000	\$0	\$0	\$0 \$0	\$0 \$0	\$0 60	\$4,460	\$4,460	\$4,460	\$4,460	\$4,460	\$4,460	\$26,760
	\$833	\$833	\$833	\$833	\$833	\$0 \$833	\$0	\$0	\$0	\$0	\$0	\$0	\$24,000
	\$25,839	\$2,844	\$3,850	\$4,855	\$5,861	\$6,855	\$833 \$12,332	\$833	\$833	\$833	\$833	\$833	\$9,996
			• • • • • • • • • • • • • • • • • • • •		7.5/002	25,000	V-12,332	213,338	\$14,343	\$15,349	\$16,354	\$17,360	\$139,190
-	\$27,896	\$9,011	\$14,118	\$19,215	\$24,303	\$29,381	\$38,911	\$43,971	\$49,022	\$54,064	\$59,096	\$64,120	\$433,108

(\$314,619)

As of 6/30/2012 True up \$ 2,617,045 \$ 2,617,045 \$

Gus Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2013 through June 30, 2014

Net Annual Revenue Requirements

Attachment D (REVISED) Schedule B (FPUC) Page 2 of 10

item Qualified Investment	Beginning <u>Balance</u>	July	<u>August</u>	September	October	November	December	January	February	March	<u>April</u>	May	june	Year End <u>Total</u>
Qualified Investment - Mains - Current Year		\$357,523	\$357,523	6367.533	ARE3 533	4								
Qualified Investment - Services - Current Year		\$92,023	\$92,023	\$357,523 \$92,023	\$357,523 \$92,023	\$357,523 \$92,023	\$357,523 \$32,023	\$357,523 \$92,023	\$357,523 \$92,023	\$357,523 \$92,023	\$357,523 \$92,023	\$357,523 \$92,023	\$357,523 \$92,023	\$4,290,270 \$1,104,272
Total Qualified Investment - Mains	\$4,290,270	\$4.647.793	\$5,005,315	\$5,362,838	\$5,720,360	\$6,077,883	\$5 43F 40F	44 200 000						
Total Qualified Investment - Services	\$1,104,272	\$1,196,295	\$1,288,317	\$1,380,340	\$1,472,363	\$1,564,385	\$6,435,405 \$3,656,408	\$6,792,928	\$7,150,450	\$7,507,973	\$7,865,495	\$8,223,018	\$8,580,540	\$8,580,540
Total Qualified investment	\$5,394,542	\$5,844,087	\$6,293,632	\$6,743,178	\$7,192,723	57,642,268	\$8,091,813	\$1,748,431 \$8,541,358	\$1,840,453	\$1,932,476 \$9,440,449	\$2,024,499 \$9,889,994	\$2,116,521 \$10,339,539	\$2,208,544	\$2,208,544 \$10,789,084
Less: Accumulated Depreciation									ya,ssa,sas	V-,0, <del></del> 0	23,003,234	\$10,333,333	310,767,084	\$10,787,064
Net Book Value	(\$78,434)	(\$91,507)	(\$105,585)	(\$120,668)	(\$136,757)	(\$153,852)	(\$171,952)	(\$191,058)	(\$211,170)	(\$232,287)	(\$254,409)	(\$277,537)	(\$301,671)	(\$301,671)
MET DOOR YOUR	\$5,316,108	\$5,752,580	\$6,188,048	\$6,622,509	\$7,055,965	\$7,488,416	\$7,919,861	\$8,350,300	\$8,779,734	\$9,208,162	\$9,635,585	\$10,062,002	\$10,487,413	\$10,487,413
Average Net Qualified Investment	-	\$5,534,344	\$5,970,314	\$6,405,278	\$6,839,237	\$7,272,190	\$7,704,138	\$8,135,080	\$8,565,017	\$8,993,948	20 424 072			
December 4	-					37,212,230	V1,144,136	70,133,000	30,303,017	20,333,348	\$9,421,873	\$9,848,793	\$10,274,707	
Depreciation Rates Approved Depreciation Rate-Mains														
Approved Depreciation Rate-Mains Approved Depreciation Rate-Services		2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2,50%	2.50%	2.50%	
Approved Depreciation Kate-Services		3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3,40%	
Return on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of Income Tax Gross-up		7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.41000/	7				
Debt - Cost of Capital		3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	7.4180% 3.5900%	7.4180% 3.5900%	7.4180% 3.5900%	7.4180% 3.5900%	7.4180% 3.5900%	
Equity Component - inclusive of income Tax Gross-up		\$34,211	\$36,906	\$39,595	\$42,278	\$44,954								
Debt Component		\$16,557	\$17,861	\$19,162	\$20,461	\$44,954 \$21,756	\$47,624	\$50,288	\$52,946	\$55,598	\$58,243	\$60,882	\$63,515	\$587,041
Return Requirement	_	\$50,768	\$54,768	\$58,758	\$62,739	\$66,710	\$23,048 \$70,673	\$24,337 \$74,626	\$25,624 \$78,570	\$26,907 \$82,504	\$28,187 \$86,430	\$29,464 \$90,346	\$30,738 \$94,253	\$284,103 \$871,145
Investment Expenses	_								\$7.5)E1.5	\$4E,504	200,430	270,340	224,233	58/1,145
Depreciation Expense - Mains		A												
Depreciation Expense - Services		\$9,683	\$10,428	\$11,173	\$11,917	\$12,662	\$13,407	\$14,152	\$14,897	\$15,642	\$16,386	\$17,131	\$17,876	\$165,354
Property Taxes		\$3,390	\$3,650	\$3,911	\$4,172	\$4,432	\$4,693	\$4,954	\$5,215	\$5,475	\$5,736	\$5,997	\$6,258	\$57,882
Customer Notice Expense		\$4,460	54,460	\$4,450	\$4,460	\$4,460	\$4,460	\$13,200	\$13,200	\$13,200	\$13,200	\$13,200	\$13,200	\$105,960
General Public Notice Expense		\$24,000	\$0	\$0	\$0	\$0	\$0	SO	\$0	\$0	\$0	\$0	\$0	\$24,000
Total Expense	_	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$9,996
· work arranged low	-	\$42,365	\$19,371	\$20,377	\$21,382	\$22,388	\$23,393	\$33,139	\$34,144	\$35,150	\$36,156	\$37,161	\$38,167	\$363,192
Total Revenue Requirements		\$93,134	\$74,139	\$79,134	\$84,121	\$89,098	\$94,066	\$107,765	\$112,714	\$117,654	\$122,586	\$127,507	\$132,420	\$1,234,337
Annual Revenue Requirement for Bare Steel Replacement Investment										•				
Net Appeal Review Comment of the Steel Reparcement investment														\$747.727

\$747,727 \$486,610

Gas Reliability Infrastructure Program (GRIP) Calculation of the Projected Revenue Requirements July 1, 2014 through June 30, 2015

Beginning

Balance July October December August September November January February March April May June Total Qualified Investment Qualified Investment - Mains - Current Year 5173,504 \$173,504 5173,504 \$173,504 \$173,504 \$173,504 \$173,504 \$173,504 \$173,504 \$173,504 \$173,504 \$173,504 \$2,082,043 Qualified investment - Services - Current Year \$44,658 \$44,658 \$44,658 \$44,658 \$44,658 \$44,658 \$44,658 \$44,658 \$44,658 \$44,658 \$44,658 \$535,897 \$44,658 Total Qualified Investment - Mains \$8,580,540 \$8,754,044 \$8,977 547 \$9,101,051 \$9,274,554 \$9,448,058 \$9,621,562 \$9,795,065 \$9,968,569 \$10,142,072 \$10,315,576 \$10,489,079 \$10,662,583 \$10,662,583 Total Qualified Investment - Services \$2,208,544 \$2,253,202 \$2,297,860 \$2,342,518 \$2,387,176 \$2,431,834 \$2,476,493 \$2,521,151 \$2,565,809 \$2,610,467 \$2,655,125 \$2,699,783 \$2,744,441 \$2,744,441 Total Qualified Investment \$11,879,892 \$12,098,054 \$12,316,216 \$12,534,377 \$10,789,084 \$11,007,246 \$11,225,407 \$11,443,569 \$11,661,731 \$12.752.539 \$17,970,701 \$13,188,862 \$13,407,024 \$13,407,024 Less: Accumulated Depreciation (\$326,292) (\$351,402) (5377,000) (\$403,085) (\$429,659) (\$456,721) (\$484,270) (\$512,308) (\$540,834) (\$569.847) (\$599,349) (\$629,339) Net Book Value \$10,487,413 \$10,680,953 \$10,874,005 \$11,066,569 \$11,258,645 \$11,450,233 \$11,641,333 \$11,831,945 \$12,022,069 \$12,211,705 \$12,400,853 \$12,589,513 \$12,777,685 \$12,777,685 Average Net Qualified investment \$10,584,183 \$10,777,479 \$10,970,287 \$11,162,607 \$11,354,439 \$11,545,783 \$11,736,639 \$11,927,007 \$12,116,887 \$12,306,279 \$12,495,183 \$12,683,599 Depreciation Rates Approved Depreciation Rate-Mains 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% Approved Depreciation Rate-Services 3,40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3 40% 3 40% 3.40% 3.40% Return on Average Net Qualified Investment Equity - Cost of Capital, inclusive of Income Tax Gross-up 7.4180% 7.4180% 7.4180% 7.4180% 7.4180% 7.4180% 7.4180% 7.4180% 7.4180% 7.4180% 7.4180% 7.4180% Debt - Cost of Capital 3 5900% 3.5900% 3.5900% 3 5900% 3.5900% 3.5900% 3.5900% 3.5900% 3 5900% 3.5900% 3.5900% 3.5900% Equity Component - inclusive of Income Tax Gross-up \$65,428 \$66,623 \$67,815 \$69,004 \$70,189 \$71,372 \$72,552 \$73,779 \$74.903 \$76,073 577 241 \$78.406 \$863,334 Debt Component \$31,664 \$32,243 \$32.819 \$33,395 \$33,969 \$34,541 \$35,112 \$35,682 \$36,250 \$36,816 \$37,381 \$37,945 \$417,817 Return Requirement \$97,092 \$98,865 \$100,634 \$102,398 \$104,158 \$105,913 \$107,664 \$109,410 \$111,152 \$112,890 \$114,622 \$116,351 \$1,281,151 Investment Expenses Depreciation Expense - Mains \$18,238 \$18,599 \$18,961 \$19,322 \$19,683 \$20,045 \$20,406 \$20,768 \$21 129 \$21.491 \$21.852 \$22.714 Depreciation Expense - Services 56 384 \$6 511 \$6,637 \$6.764 \$6,890 \$7.017 \$7,143 \$7,270 \$7,396 \$7,523 \$7,649 \$7,776 Property Taxes \$13,200 \$13,200 \$13,200 \$13,200 \$13,200 \$13,200 \$19,402 \$19,402 \$19,402 \$19,402 \$19,402 \$19,402 \$195,612 **Customer Notice Expense** \$24,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 ŚO ŚĐ ŚD SO. 524,000 General Public Notice Expense \$833 \$833 \$833 \$833 \$833 \$833 \$833 \$833 \$833 \$833 \$833 \$833 \$9,996 Total Expense \$62,655 \$39,143 \$39,631 \$40,119 \$40,607 \$41,095 \$47,785 \$48,273 \$48,761 \$49,249 \$49,737 \$50,225 \$557,276 \$159,747 \$138,008 \$140,265 Total Revenue Requirements \$142,517 \$144,765 \$147,008 \$155,449 \$157,683 \$159,913 \$162,138 \$164,359 \$166,576 \$1,838,427 Annual Revenue Requirement for Bare Steel Replacement Investment \$747,727 Net Annual Revenue Requirements

\$242.708 \$84,960

\$1,090,700

Attachment D (REVISED)

Year End

Schedule B (FPUC)

Page 3 of 10

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2015 through June 30, 2016

<u>Item</u> Qualified Investment

Qualified Investment - Mains - Current Year Qualified Investment - Services - Current Year

Total Qualified Investment - Mains Total Qualified Investment - Services Total Qualified Investment

Less: Accumulated Depreciation Net Book Value

Average Net Qualified investment

Depreciation Rates

Approved Depreciation Rate-Mains
Approved Depreciation Rate-Services

Return on Average Net Qualified Investment

Equity - Cost of Capital, inclusive of Income Tax Gross-up

Debt - Cost of Capital

Equity Component - inclusive of Income Tax Gross-up
Debt Component

Return Requirement

Total Expense

Investment Expenses

Depreciation Expense - Mains Depreciation Expense - Services Property Taxes Customer Notice Expense General Public Notice Expense

Total Revenue Requirements

Annual Revenue Requirement for Bare Steel Replacement Investment Net Annual Revenue Requirements

Attachment D (REVISED) Schedule B (FPUC) Page 4 of 10

Beginning													
<u>Balance</u>	<u>July</u>	August	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	January	<u>February</u>	March	April	May	<u>June</u>	Year End <u>Total</u>
	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	£177.504	****	
	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658		\$173,504	\$173,504	\$2,082,043
					• ,	411,000	J-1-,030	344,030	344,036	\$44,658	\$44,658	\$44,658	\$535,897
\$10,662,583	\$10,836,087	\$11,009,590	\$11,183,094	\$11,356,597	\$11,530,101	\$11,703,605	\$11,877,108	\$12,050,612	\$12,224,115	\$12,397,619	\$12,571,122	£13 744 car	*** *** ***
\$2,744,441	\$2,789,099	\$2,833,757	\$2,878,415	\$2,923,073	\$2,967,731	\$3,012,390	\$3,057,048	\$3,101,706	\$3,146,364	\$3,191,022	\$3,235,680	\$12,744,626	\$12,744,626
\$13,407,024	\$13,625,186	\$13,843,347	\$14,061,509	\$14,279,671	\$14,497,832	\$14,715,994	\$14,934,156	\$15,152,317	\$15,370,479	\$15,588,641	\$15,806,802	\$3,280,338 \$16,024,964	\$3,280,338
									010,510,475	313,300,041	\$13,000,802	\$16,024,964	\$16,024,964
(\$629,339)	(\$659,816)	(\$690,782)	(\$722,235)	(\$754,177)	(\$786,607)	(\$819,524)	(\$852,930)	(\$886,824)	(\$921,205)	(\$956,075)	(\$991,432)	(\$1,027,278)	(\$1,027,278)
\$12,777,685	\$12,965,369	\$13,152,565	\$13,339,274	\$13,525,494	\$13,711,226	\$13,896,470	\$14,081,226	\$14,265,494	\$14,449,274	\$14,632,566	\$14,815,370	\$14,997,686	\$14,997,686
_						· · · · · · · · · · · · · · · · · · ·			, , , , , , , , , , , , , , , , , , , ,	24,432,300	314,013,370	214,237,666	314,337,586
	\$12,871,527	\$13,058,967	\$13,245,920	\$13,432,384	\$13,618,360	\$13,803,848	\$13,988,848	\$14,173,360	\$14,357,384	\$14,540,920	\$14,723,968	444.000.000	
_		· — · · · · · · · · · · · · · · · · · ·				, 20,000,010	13,300,040	V-4,173,300	214,337,364	314,540,920	514,723,968	\$14,906,528	
	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	3.500/			
	3.40%	3.40%	3.40%	3,40%	3.40%	3.40%	3.40%	3.40%		2.50%	2.50%	2.50%	
					5.4070	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	
	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%			_		
	3.5900%	3.5900%	3.5900%	3.5900%	3,5900%	3.5900%	3.5900%		7.4180%	7.4180%	7.4180%	7.4180%	
				3.330076	3.330078	3.5300%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	
	\$79,567	\$80,726	\$81,882	\$83,035	\$84,184	\$85,331	\$86,474	\$87,615	400 750				
	\$38,507	\$39,068	\$39,627	540,185	\$40,742	\$41,297	\$41,850		\$88,753	\$89,887	\$91,019	\$92,147	\$1,030,620
-	\$118,075	\$119,794	\$121,509	\$123,220	\$124,926	\$126,627	\$128,324	542,402	\$42,953	\$43,502	\$44,049	\$44,595	\$498,777
-	<u> </u>			7113,110	3124,320	3120,027	\$128,324	\$130,017	\$131,705	\$133,389	\$135,068	\$136,743	\$1,529,397
	\$22,575	\$22,937	\$23,298	\$23,660	\$24,021	\$24,383	634.744	CDE 105	455.447	***			
	\$7,902	\$8,029	\$8,156	\$8,282	\$8,409	\$8,535	\$24,744	\$25,105	\$25,467	\$25,828	\$26,190	\$26,551	\$294,759
	\$19,402	\$19,402	\$19,402	\$19,402	\$19,402		\$8,662	\$8,788	\$8,915	\$9,041	\$9,168	\$9,294	\$103,180
	\$24,000	\$0	\$25,462	\$13,402	\$19,402	\$19,402	\$23,161	\$23,161	\$23,161	\$23,161	\$23,161	\$23,161	\$255,378
	\$833	\$833	\$833	\$833	\$833	\$0	\$0	\$0	50	\$0	\$0	\$0	\$24,000
_	\$74,713	\$51,201	\$51,689	\$52,177	\$52,665	\$833	\$833	<u>\$833</u>	\$833	\$833	\$833	\$833	\$9,996
-		772,201	221,003	336,177	332,003	\$53,153	\$57,400	\$57,888	\$58,376	\$58,864	\$59,352	\$59,840	\$687,313
	\$192,787	\$170,995	\$173,198	\$175,396	\$177,590	\$179,780	\$185,724	\$187,905	\$190,081	\$192,252	\$194,419	\$196,582	\$2,216,710
									_				

\$747,727 \$1,468,983

Gas Rehability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2016 through June 30, 2017

Annual Revenue Requirement for Bare Steel Replacement Investment Net Annual Revenue Requirements Attachment D JREVISED) Schedule B (FPUC) Page S of 10

		Beginning													Year End
item		<u>Balance</u>	Aint	August	September	October	November	December	January	February	March	April	May	June	Total
Qualified Inve											4			4177.54	4
	Qualified Investment - Mains - Current Year		\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$2,082,043
	Qualified Investment - Services - Current Year		\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,6\$8	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$535,897
															**
	Total Qualified Investment - Mains	\$12,744,626	\$12,918.130	\$13,091,633	\$13,265,137	\$13,438,640	\$13,612,144	\$13,785,648	\$13,959,151	\$14,132,655	\$14,306,158	\$14,479,662	\$14,653,165	\$14,826,669	\$14,826,669
	Total Qualified Investment - Services	\$3,280,338	\$3,324,996	\$3,369,654	\$3,414,312	\$3,458,970	\$3,503,628	\$3,548,287	\$3,592,945	\$3,637,603	\$3,682,261	\$3,726,919	\$3,771,577	\$3,816,235	\$3,816,23\$
	Total Qualified Investment	\$16,024,964	\$16,243,126	\$16,461,287	\$16,679,449	\$16,897,611	\$17,115,772	\$17,333,934	\$17,552,096	\$17,770,257	\$17,988,419	\$18,206,581	\$18,424,742	\$18,642,904	\$18,642,904
	Less: Accumulated Depreciation	(\$1,027,278)	(\$1,063,612)	(\$1,100,433)	(\$1,137,743)	(\$1,175,540)	(51,213,826)	(\$1,252,599)	(\$1,291,861)	(\$1,331,611)	(\$1,371,848)	(\$1,412,574)	(\$1,453,787)	(\$1,495,489)	(\$1,495,489)
	Net Book Value	\$14,997,686	\$15,179,514	\$15,360,854	\$15,541,706	\$15,722,070	\$15,901,946	\$16,081,335	\$16,260,235	\$16,438,647	\$16,616,571	\$16,794,007	\$16,970,955	\$17,147,415	\$17,147,415
	Average Net Qualified Investment		\$15,088,600	\$15,270,184	\$15,451,280	\$15,631,888	\$15,812,008	\$15,991,641	\$16,170,785	\$16,349,441	\$16,527,609	\$16,705,289	\$16,882,481	\$17,059,185	
		•													
Depreciation	Rates														
	Approved Depreciation Rate-Mains		2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	
	Approved Depreciation Rate-Services		3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	
Return on Av	erage Net Qualified Investment														
	Equity - Cost of Capital, inclusive of Income Tax Gross-up		7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	
	Debt - Cost of Capital		3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	
	Equity Component - inclusive of Income Tax Gross-up		\$93,273	\$94,395	\$95,515	\$96,631	\$97,745	\$98,855	\$99,962	\$101,067	\$102,168	\$103,267	\$104,362	\$105,454	\$1,192,693
	Debt Component		\$45,140	\$45,683	\$46,225	\$46,765	\$47,304	\$47,842	\$48,378	\$48,912	\$49,445	\$49,977	\$50,507	\$\$1,035	\$577,213
	Return Requirement		\$138,413	\$140,078	\$141,740	\$143,397	\$145,049	\$146,697	\$148,340	\$149, <del>9</del> 79	\$151,613	\$153,243	\$154,869	\$156,490	\$1,769,907
Investment E	xpenses														
	Depreciation Expense - Mains		\$26,913	\$27,274	\$27,636	\$27,997	\$28,359	\$28,720	\$29,082	\$29,443	\$29,804	\$30,166	\$30,527	\$30,889	\$346,810
	Depreciation Expense - Services		\$9,421	\$9,547	\$9,674	\$9,800	\$9,927	\$10,053	\$10,180	\$10,307	\$10,433	\$10,560	\$10,686	\$10,813	\$121,401
	Property Taxes		\$23,161	\$23,161	\$23,161	\$23,161	\$23,161	\$23,161	\$26,802	\$26,802	\$26,802	\$26,802	\$26,802	\$26,802	\$299,778
	Customer Notice Expense		\$24,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$o	\$0	\$0	\$24,000
	General Public Notice Expense		\$833	\$833	\$833	\$833	\$833_	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$9,996
	Total Expense		\$84,328	\$60,816	\$61,304	\$61,792	\$62,280	\$62,768	\$66,897	\$67,385	\$67,873	\$68, <u>36</u> 1	\$68,849	\$69,337	\$801,985
Total Revenu	e Requirements		\$222,740	\$200,894	\$203,043	\$205,188	\$207,328	\$209,464	\$215,237	\$217,363	\$219,486	\$221,604	\$223,717	\$225,826	\$2,571,891

\$747,727 \$1,824,164

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2017 through June 30, 2018

Attachment D (REVISED) Schedule B (FPUC) Page 6 of 10

<u>item</u>	
Qualified Inves	itment
	Qualified investment - Mains - Current Year
	Qualified Investment - Services - Current Year
	Total Qualified Investment - Mains
	Total Qualified Investment - Services
	Total Qualified Investment
	Less: Accumulated Depreciation
	Net Book Value
	Average Net Qualified Investment
Depreciation R	ates
	Approved Depreciation Rate-Mains
	Approved Depreciation Rate-Services
Return on Aver	age Net Qualified Investment
	Equity - Cost of Capital, inclusive of Income Tax Gross-up
	Debt - Cost of Capital
	Equity Component - inclusive of Income Tax Gross-up
	Debt Component
	Return Requirement
investment Exp	enses
	Depreciation Expense - Mains
	Depreciation Expense - Services
	Property Taxes
	Customer Notice Expense
	General Public Notice Expense
	Total Expense
Total Revenue I	Reguirements

Annual Revenue Requirement for Bare Steel Replacement Investment Net Annual Revenue Requirements

\$14,826,669 \$15,000,173 \$17,576 \$15,347,180 \$173,504 \$173	Beginning Balance	<u>iuly</u>	August	<u>September</u>	<u>October</u>	November	<u>December</u>	january	<u>February</u>	March	<u>April</u>	May	<u>June</u>	Year End <u>Total</u>
\$44,658 \$44,65		\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173.504	\$173.504	\$173.50d	\$172 GOV	£172 504	6177.504	£2.002.042
\$14,826,669 \$15,000,173 \$15,173,676 \$15,347,180 \$15,520,683 \$15,694,187 \$15,867,691 \$15,604,1394 \$16,214,698 \$16,388,201 \$16,561,705 \$16,735,208 \$16,908,712 \$16,908,712 \$13,866,2304 \$13,860,893 \$23,905,551 \$3,905,551 \$3,905,209 \$3,904,867 \$4,039,525 \$4,084,184 \$4,128,842 \$4,173,500 \$4,218,138 \$4,262,816 \$4,307,474 \$4,352,132 \$4,352,132 \$18,664,2904 \$18,664,2904 \$18,640,695 \$109,722 \$19,729,329 \$19,729,329 \$19,729,329 \$19,729,329 \$19,729,329 \$19,729,321 \$19,7		\$44,658	\$44,658	\$44,658	\$44,658									
\$3.8.62.295 \$3.860.893 \$3.905,551 \$3.950,209 \$3.994.867 \$4.039.525 \$4.084,128 \$4.173.500 \$4.181,158 \$4.82,181,58 \$4.000,172,27 \$4.35,173							, ,	*	V 7 C	\$11,030	¥14,036	344,030	344,636	\$335,637
\$3,846,235 \$3,860,693 \$33,095,551 \$3,959,209 \$3,994,867 \$4,093,525 \$4,094,184 \$4,128,842 \$4,173,500 \$4,218,158 \$4,262,816 \$4,307,477 \$4,352,132 \$4,352,132 \$1,862,893 \$18,861,066 \$19,079,227 \$19,279,389 \$19,515,551 \$19,737,122 \$19,951,874 \$20,170,036 \$20,386,197 \$20,606,355 \$20,0024,571 \$21,042,682 \$12,068,44 \$21,068,44 \$12,048,4	\$14,826,669	\$15,000,173	\$15,173,676	\$15,347,180	\$15,520,683	\$15,694,187	\$15,867,691	\$16,041,194	\$16,214,698	S16.388 201	516 561 705	\$16 735 208	\$10,009,712	C16 909 717
\$18,642,904 \$18,861,066 \$19,079,227 \$19,297,389 \$19,515,551 \$19,733,712 \$19,951,874 \$20,170,036 \$20,388,197 \$20,606,359 \$20,324,521 \$21,260,864 \$71,26	\$3,816,235	\$3,860,893	\$3,905,551	\$3,950,209	\$3,994,867	\$4,039,525	\$4,084,184							
(\$1,495,489) (\$1,537,678) (\$1,580,356) (\$1,623,522) (\$1,667,175) (\$1,711,317) (\$1,755,946) (\$1,801,064) (\$1,846,669) (\$1,892,763) (\$1,939,344) (\$1,966,414) (\$2,033,971) (\$2,033,971) (\$1,714,7415) (\$1,714,7415) (\$1,723,367) (\$1,714,7415) (\$1,723,367) (\$1,714,7415) (\$1,723,367) (\$1,714,7415) (\$1,7	\$18,642,904	\$18,861,066	\$19,079,227	\$19,297,389	\$19,515,551	\$19,733,712	\$19,951,874							
\$17,147,415 \$17,323,387 \$17,498,871 \$17,673,867 \$17,744,276 \$18,022,396 \$18,195,722 \$18,263,757 \$18,241,728 \$18,713,756 \$18,865,716 \$19,056,7269 \$19,226,873 \$19,2		_								-	V	QE 2/0 TE/OUE	751,200,007	721,200,011
\$17,147,415 \$17,233,87 \$17,498,871 \$17,673,867 \$17,848,376 \$18,022,396 \$18,195,928 \$18,368,972 \$18,541,578 \$18,671,596 \$18,685,776 \$19,056,687 \$19,226,677 \$19,226,677 \$19,226,677 \$17,235,401 \$17,411,129 \$17,586,369 \$17,761,122 \$17,935,386 \$18,109,162 \$18,287,450 \$18,485,250 \$18,677,562 \$18,799,386 \$18,970,722 \$19,141,571 \$2.50% \$2.50% \$2.50% \$2.50% \$2.50% \$2.50% \$2.50% \$2.50% \$3.40% \$3.40% \$3.40% \$3.40% \$3.40% \$3.40% \$3.40% \$3.40% \$3.40% \$3.40% \$3.40% \$3.40% \$3.40% \$3.40% \$3.40% \$3.40% \$3.40% \$3.500% \$3.5900% \$	(\$1,495,489)	(\$1,537,678)	(\$1,580,356)	(\$1,623,522)	(\$1,667,175)	(\$1,711,317)	(\$1,755,946)	(\$1,801,064)	(\$1,846,669)	(\$1.892.763)	(\$1,939 344)	(\$1 986 41A)	/\$2.022.971\	(\$2.022.971)
\$17,235,401 \$17,411,129 \$17,586,369 \$17,761,122 \$17,935,386 \$18,109,162 \$18,282,450 \$18,455,250 \$18,627,562 \$18,799,386 \$18,970,722 \$19,141,571  2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 3.40% 3.590% 3.5900% 3.	\$17,147,415	\$17,323,387	\$17,498,871	\$17,673,867	\$17,848,376	\$18,022,396	\$18,195,928	\$18,368,972						
2.50% 2.50% 2.50% 2.50% 2.50% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.5900	_											+10/100/100	V-3,220,073	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 3.40% 3.5900% 3.59	_	\$17,235,401	\$17,411,129	\$17,586,369	\$17,761,122	\$17,935,386	\$18,109,162	\$18.282,450	\$18,455,250	\$18.627.562	\$18 799 386	\$18 970 772	\$10 1A1 571	
3.40% 3.5900% 3.59	•									<del></del>		710,310,111	\$23,141,371	
3.40% 3.5900% 3.59														
3.40% 3.5900% 3.5900%		2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2 50%	2 50%	2 504/	
7.4180% 7.4180% 7.4180% 7.4180% 7.4180% 7.4180% 7.4180% 7.4180% 7.4180% 7.4180% 7.4180% 7.4180% 3.5900		3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%						
3.5900% 3.5900											3.40%	3.40%	3.40%	
3.5900% 3.5900														
3.5900% 3.5900				7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	
\$106,544 \$107,620 \$108,713 \$109,793 \$110,871 \$111,945 \$113,016 \$114,084 \$115,149 \$116,212 \$117,271 \$118,327 \$1,349,554 \$51,563 \$52,088 \$55,613 \$53,135 \$53,657 \$54,177 \$534,695 \$55,212 \$55,727 \$56,241 \$56,754 \$57,265 \$653,127 \$158,106 \$159,718 \$161,326 \$162,929 \$164,527 \$166,121 \$167,711 \$169,296 \$170,877 \$172,453 \$174,025 \$175,592 \$2,002,681 \$10,939 \$11,066 \$11,192 \$11,319 \$11,445 \$11,572 \$11,698 \$13,675 \$12,078 \$12,07		3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%		
\$51,563 \$52,088 \$55,613 \$53,135 \$53,657 \$54,177 \$54,695 \$55,212 \$555,727 \$56,241 \$56,754 \$57,265 \$53,127 \$518,106 \$159,718 \$161,326 \$162,929 \$164,527 \$166,121 \$167,711 \$169,296 \$170,877 \$172,453 \$174,025 \$175,592 \$2,002,681 \$100,939 \$11,066 \$11,192 \$11,319 \$11,445 \$11,572 \$11,698 \$13,825 \$11,951 \$12,078 \$12,205 \$12,331 \$139,621 \$26,802 \$26,802 \$26,802 \$26,802 \$26,802 \$26,802 \$26,802 \$26,802 \$30,327 \$30,														
551,563         552,088         552,613         553,135         \$53,657         \$54,177         \$54,695         \$55,212         \$55,727         \$56,241         \$56,754         \$57,265         \$653,127           \$158,106         \$159,718         \$161,326         \$162,299         \$164,527         \$166,121         \$167,711         \$169,296         \$170,877         \$172,453         \$174,025         \$175,592         \$2,002,681           \$31,250         \$31,612         \$31,973         \$32,335         \$32,696         \$33,058         \$33,419         \$33,781         \$34,142         \$34,504         \$34,865         \$35,226         \$398,861           \$10,939         \$11,066         \$11,192         \$11,319         \$11,445         \$11,572         \$11,698         \$11,825         \$11,951         \$12,078         \$12,205         \$12,331         \$139,621           \$26,802         \$26,802         \$26,802         \$26,802         \$26,802         \$30,327         \$30,						\$110,871	\$111,945	\$113,016	\$114,084	\$115,149	\$116,212	\$117,271	\$118.327	\$1,349,554
\$118,106 \$159,718 \$161,326 \$162,929 \$164,527 \$166,121 \$167,711 \$169,296 \$170,877 \$172,453 \$174,025 \$175,592 \$2,002,681 \$10,939 \$11,066 \$11,192 \$11,319 \$11,445 \$11,572 \$11,698 \$11,825 \$11,951 \$12,078 \$12,205 \$12,331 \$139,621 \$26,802 \$26,802 \$26,802 \$26,802 \$26,802 \$26,802 \$26,802 \$30,327 \$30,32	-					\$53,657	\$54,177	\$54,695	\$55,212	\$55,727	\$56,241	\$56,754		
\$10,939 \$11,066 \$11,192 \$11,319 \$11,445 \$11,572 \$11,698 \$11,825 \$11,951 \$12,078 \$12,205 \$12,205 \$12,331 \$1396,221 \$26,802 \$26,802 \$26,802 \$26,802 \$26,802 \$26,802 \$30,327 \$30,	-	\$158,106	\$159,718	\$161,326	\$162,929	\$164,527	\$166,121	\$167,711	\$169,296	\$170,877	\$172,453	\$174,025		
\$10,939 \$11,066 \$11,192 \$11,319 \$11,445 \$11,572 \$11,698 \$11,825 \$11,951 \$12,078 \$12,205 \$12,205 \$12,331 \$1396,221 \$26,802 \$26,802 \$26,802 \$26,802 \$26,802 \$26,802 \$30,327 \$30,									-					
\$10,939 \$11,066 \$11,192 \$11,319 \$11,445 \$11,572 \$11,698 \$11,825 \$11,951 \$12,078 \$12,205 \$12,205 \$12,331 \$1396,221 \$26,802 \$26,802 \$26,802 \$26,802 \$26,802 \$26,802 \$30,327 \$30,														
\$10,939 \$11,066 \$11,192 \$11,319 \$11,445 \$11,572 \$11,698 \$11,825 \$11,951 \$12,078 \$12,078 \$12,205 \$12,331 \$139,621 \$26,802 \$26,802 \$526,802 \$26,802 \$26,802 \$26,802 \$26,802 \$30,327 \$30,327 \$30,327 \$30,327 \$30,327 \$30,327 \$342,774 \$24,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0								\$33,419	\$33,781	\$34,142	\$34,504	\$34,865	\$35,226	\$398,861
\$26,802 \$26,802 \$26,802 \$26,802 \$26,802 \$30,327 \$30,32						\$11,445	\$11,572	\$11,698	\$11,825	\$11,951	\$12,078	\$12,205		
\$24,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0								\$30,327	\$30,327	\$30,327	\$30,327	\$30,327		
5833         5833 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>50</td><td></td><td></td></th<>								\$0	\$0	\$0	\$0	50		
593,825 \$70,313 \$70,801 \$71,789 \$71,777 \$72,265 \$76,278 \$76,766 \$77,254 \$77,742 \$78,230 \$78,718 \$915,252	_								\$833	\$833	\$833	\$833		
63E1924 6390031 633037 634037 Avenue	-	\$93,825	\$70,313	\$70,801	\$71,289	\$71,777	\$72,265	\$76,278	\$76,766	\$77,254	\$77,742	\$78,230		
	=	\$251,931	\$230,031	\$232,126	\$234,217	\$236,304	\$238,386	\$243,989	\$246,062	\$248,130	\$250,195	\$252,254	\$254,310	\$2,917,933

\$747,727 \$2,170,206

Calculation of the Projected Revenue Requirements July 1, 2018 through June 30, 2019

Net Annual Revenue Requirements

Gas Reliability Infrastructure Program (GRIP)

Attachment D (REVISED) Schedule B (FPUC) Page 7 of 10

	Beginning													Year Eng
<u> tem</u>	Balance	<u>Jul</u> y	August	<u>September</u>	October	November	December	January	<u>February</u>	March	April	May	June	Total
Qualified Investment												_		
Qualified Investment - Mains - Current Year		\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$2,082,0
Qualified Investment - Services - Current Year		\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$535,8
Total Qualified Investment - Mains	\$16,908,712	\$17,082,216	\$17,255,719	\$17,429,223	\$17,602,726	\$17,776,230	\$17,949,734	\$18,123,237	\$18.296.741	\$18,470,244	\$18,643,748	\$18,817,251	\$18,990,755	\$18,990,
Total Qualified Investment - Services	\$4,352,132	\$4,396,790	\$4,441,448	\$4,486,106	\$4,530,764	\$4,57\$,422	\$4,620,081	\$4,664,739	\$4,709,397	\$4,754,055	\$4,798,713	\$4,843,371	\$4,888,029	54,888,
Total Qualified Investment	\$21,260,844	\$21,479,006	\$21,697,167	\$21,915,329	\$22,133,491	\$22,351,652	\$22,569,814	\$22,787,976	\$23,006,137	\$23,224,299	\$23,442,461	\$23,660,622	\$23,878,784	\$23,878
Less: Accumulated Depreciation	(\$2,033,971)	(\$2,082,017)	(\$2,130,550)	(\$2,179,572)	(\$2,229,081)	(\$2,279,079)	(\$2,329,564)	(\$2,380,538)	(\$2,431,999)	(\$2,483,949)	(\$2,536,386)	(\$2,589,312)	.da	(42.040
Net Book Value	\$19,226,873		\$19,566,617		\$19,904,409	\$20,072,573	\$20,240,250	\$20,407,438	\$20,574,138	\$20,740,350	\$20,906,074	\$21,071,310	(\$2,642,725) \$21,236,059	(\$2,642 \$21,236
Average Net Qualified Investment		\$19,311,931	\$19.481.803	\$19,651,187	\$19.820.083	\$19,988,491	\$20,156,412	\$20,323,844	\$20,490,788	630.003		1		
•	•	J13,341,331	313,461,603	313/03 <u>1,167</u>	\$13,820,U63	\$13,7 <b>66</b> ,491	\$20,156,412	\$20,123,844	\$20,490,788	\$20,657,244	\$20,823,212	\$20,988,692	\$21,153,685	
epreciation Rates														
Approved Depreciation Rate-Mains		2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	
Approved Depreciation Rate-Services		3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3,40%	3,40%	3.40%	3.40%	3.40%	3.40%	
eturn on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of Income Tax Gross-up		7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	
Debt - Cost of Capital		3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	
Equity Component - inclusive of Income Tax Gross-up		\$119,380	\$120,430	\$121,477	\$122,521	\$123,562	\$124,600	\$125,635	\$126,667	\$127,696	\$128,722	\$129,745	\$130,765	\$1,50
Debt Component		\$\$7,775	\$58,283	\$58,790	\$59,295	\$59,799	\$60,301	\$60.802	\$61,302	\$61,800	\$62,296	\$62,791	\$63,285	\$1,50
Return Requirement	-	\$177,155	\$178,713	\$180,267	\$181,816	\$183,361	\$184,901	\$186,437	\$187,969	\$189,496	\$191,018	\$192,536	\$194,050	\$2,22
ivestment Expenses														<u> </u>
Depreciation Expense - Mains		\$35,588	\$35,949	\$36,311	\$36,672	\$37,034	\$37,395	\$37,757	538.118	\$38,480	\$38,841	\$39,203	\$39,564	\$450
Depreciation Expense - Services		\$12,458	\$12,584	\$12,711	\$12,837	\$12,964	\$13,090	\$13,217	\$13,343	\$13,470	\$13,596	\$13,723	\$13,849	\$157
Property Taxes		\$30,327	\$30,327	\$30,327	\$30,327	\$30,327	\$30,327	\$33,734	\$33,734	\$33,734	\$33,734	\$33,734	\$33,734	\$38/
Customer Notice Expense		\$24,000	\$0	\$0	\$0	\$0	so	\$0	\$0	\$33,734 \$0	\$33,734 \$0	\$33,734	\$33,734 \$0	\$384 \$24
General Public Notice Expense		\$833	\$833	\$833	\$833	\$833	5833	\$833	\$833	\$ <b>8</b> 33	\$833	\$0 \$833		\$21 \$!
Total Expense	-	\$103,206	\$79,694	\$80,182	\$80,670	\$81,158	\$81,646	\$85,541	\$86,029	\$86,516	\$87,004	\$87,492	\$833 \$87,980	\$1,02
otal Revenue Requirements		\$280,360	\$258,407	\$260,448	\$262,486	\$264.519	\$266,547	\$271,978	\$273,997	\$276,012	\$278,023	\$280,029	\$282,030	\$3,25

\$747,727 \$2,507,109

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2019 through June 30, 2020

Item Qualified investment

Qualified Investment - Mains - Current Year
Qualified Investment - Services - Current Year

Total Qualified Investment - Mains Total Qualified Investment - Services Total Qualified Investment

Less: Accumulated Depreciation
Net Book Value

Average Net Qualified Investment

Depreciation Rates

Approved Depreciation Rate-Mains
Approved Depreciation Rate-Services

Return on Average Net Qualified Investment

Equity - Cost of Capital, inclusive of Income Tax Gross-up

Debt - Cost of Capital

Equity Component - inclusive of Income Tax Gross-up Debt Component

Return Requirement

Investment Expenses

Depreciation Expense - Mains Depreciation Expense - Services Property Taxes

Customer Natice Expense
General Public Natice Expense

Total Expense

Total Revenue Requirements

Annual Revenue Requirement for Bare Steel Replacement Investment Net Annual Revenue Requirements

Attachment D (REVISED) Schedule B (FPUC) Page 8 of 10

Beginning													
Balance	July	August	September	October	November	December		£_1					Year End
	_				7507033227	DECEMBER	January	February	<u>March</u>	<u>April</u>	<u>May</u>	<u>)une</u>	<u>Total</u>
	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	¢==>===	44		
	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658			\$173,504	\$173,504	\$173,504	\$2,082,043
				•	5+1,03d	244,030	\$44,656	\$44,658	\$44,65B	\$44,658	\$44,658	\$44,658	\$535,897
\$18,990,755	\$19,164,259	\$19,337,762	\$19,511,266	\$19,684,769	\$19,858,273	\$20,031,777	\$20,205,280	\$20,378,784	\$20,552,287	£30 335 764	C20 000 201	*** ***	
\$4,888,029	\$4,932,687	\$4,977,345	\$5,022,003	\$5,066,661	\$5,111,319	\$5,155,978	\$5,200,636	\$5,245,294	\$5,289,952	\$20,725,791	\$20,899,294	\$21,072,798	\$21,072,798
\$23,878,784	\$24,096,946	\$24,315,107	\$24,533,269	\$24,751,431	\$24,969,592	\$25,187,754	\$25,405,916	\$25,624,077	\$25,842,239	\$5,334,610	\$5,379,268	\$5,423,926	\$5,423,926
					42 (7-14)	VED,107,104	VC3,403,310	323,024,077	\$23,842,239	\$26,060,401	\$26,278,562	\$26,496,724	\$26,496,724
(\$2,642,725)	(\$2,696,627)	(\$2,751,016)	(\$2,805,894)	(\$2,861,259)	(\$2,917,113)	(\$2,973,454)	(\$3,030,284)	(\$3,087,601)	(63 asc and				
\$21,236,059	\$21,400,319	\$21,564,091	\$21,727,375	\$21,890,171	\$22,052,480	\$22,214,300	\$22,375,632	\$22,536,476	(\$3,145,407) \$22,696,832	(\$3,203,700)	(\$3,262,482)	(\$3,321,751)	(\$3,321,751)
						<b>422,224,300</b>	722,373,032	322,330,470	222,696,832	\$22,856,701	\$23,016,081	\$23,174,973	\$23,174,973
-	\$21,318,189	\$21,482,205	\$21,645,733	\$21,808,773	\$21,971,325	\$22,133,390	č	4					
-		722) TOZ,200	ŞE1,045,135	321,800,173	321,371,323	322,133,390	\$22,294,966	\$22,456,054	\$22,616,654	\$22,776,786	\$22,936,391	\$23,095,527	
	2.50%	2.50%	2.50%	2.50%	2 500/								
	3.40%	3,40%	3.40%	3.40%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	
	5.15.0	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	
	7.4180%	7.4180%	7.4180%	7.4180%	2 42 500								
	3.5900%	3.5900%	3.5900%	3.5900%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	
	3.370074	3.350%	3.3900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	
	\$131,782	\$132,796	\$133,807	\$134,815	Ć175 810	****							
	\$63,777	\$64,268	\$64,757	\$65,245	\$135,819	\$136,821	\$137,820	\$138,816	\$139,809	\$140,798	\$141,785	\$142,769	\$1,647,637
-	\$195,559	\$197,063	\$198,564	\$200,059	\$65,731	\$66,216	\$66,699	\$67,181	\$67,661	\$68,140	\$68,618	\$69,094	\$797,387
-	V220,000	<b>9137,003</b>	3130,304	3200,039	\$201,550	\$203,037	\$204,51 <del>9</del>	\$205,997	\$207,470	\$208,939	\$210,403	5211,863	\$2,445,023
	\$39,926	\$40,287	\$40,648	\$41,010	£44.27-	4							
	\$13,976	\$14,102	\$14,229		\$41,371	\$41,733	\$42,094	\$42,456	\$42,817	\$43,179	\$43,540	\$43,902	\$502,963
	\$33,734	\$33,734	\$33,734	\$14,356	\$14,482	\$14,609	\$14,735	\$14,862	\$14,988	\$15,115	\$15,241	\$15,368	\$176,062
	\$24,000	533,734 \$0		\$33,734	\$33,734	\$33,734	\$37,024	\$37,024	\$37,024	\$37,024	\$37,024	\$37,024	\$424,548
	\$833	\$833	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,000
_	\$112,468		\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$9,996
_	2112,468	\$88,956	\$89,444	\$89,932	\$90,420	\$90,908	\$94,686	\$95,174	\$95,662	\$96,150	\$96,638	\$97,126	\$1,137,570
	¢208.027	¢205.035	4										7,7,7
-	\$308,027	\$286,020	\$288,008	\$289,992	\$291,971	\$293,945	\$299,206	\$301,171	\$303,133	\$305,089	\$307,042	\$308,989	\$3,582,593

\$747,727 \$2,834,866

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
july 1, 2020 through June 30, 2021

Attachment D (REVISED) Schedule B (FPUC) Page 9 of 10

Qualified Investment Qualified Investment - Mains - Current Year Qualified Investment - Services - Current Year Total Qualified Investment - Mains Total Qualified Investment - Services Total Qualified Investment Less: Accumulated Depreciation Net Book Value Average Net Qualified Investment Depreciation Rates Approved Depreciation Rate-Mains Approved Depreciation Rate-Services Return on Average Net Qualified Investment Equity - Cost of Capital, inclusive of Income Tax Gross-up Debt - Cost of Capital Equity Component - inclusive of Income Tax Gross-up Debt Component Return Requirement Investment Expenses Depreciation Expense - Mains Depreciation Expense - Services Property Taxes

Total Expense

Total Revenue Requirements

Annual Revenue Requirement for Bare Steel Replacement Investment Net Annual Revenue Requirements

Customer Notice Expense General Public Notice Expense

Beginning													
<u>Balance</u>	July	August	September	October	<u>November</u>	<u>December</u>	January	February	March	April	May	June	Year End <u>Total</u>
	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	4472 504	** *** ***
	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$173,504 \$44,658	\$2,082,043
							,	311,030	\$**,u5a	\$ <del>~~</del> ,000	344,034	\$44,b38	\$535,897
\$21,072,798	\$21,246,302	\$21,419,805	\$21,593,309	\$21,766,812	\$21,940,316	\$22,113,820	\$22,287,323	\$22,460,827	\$22,634,330	\$22,807,834	\$22,981,337	\$23,154,841	\$23,154,841
\$5,423,926	\$5,468,584	\$5,513,242	\$5,557,900	\$5,602,558	\$5,647,216	\$5,691,875	\$5,736,533	\$5,781,191	\$5,825,849	\$5,870,507	\$5,915,165	\$5,959,823	\$5,959,823
\$26,496,724	\$26,714,886	\$26,933,047	\$27,151,209	\$27,369,371	\$27,587,532	\$27,805,694	\$28,023,856	\$28,242,017	\$28,460,179	\$28,678,341	\$28,896,502	\$29,114,664	\$29,114,664
					<u> </u>			-				411	y z z j z z v j z z v
(\$3,321,751)	(\$3,381,508)	(\$3,441,754)	(\$3,502,487)	[\$3,563,709)	(\$3,625,418)	(\$3,687,616)	(\$3,750,301)	(\$3,813,475)	(\$3,877,136)	(\$3,941,285)	[\$4,005,923]	(\$4,071,048)	(\$4,071,048)
\$23,174,973	\$23,333,377	\$23,491,293	\$23,648,722	\$23,805,662	\$23,962,114	\$24,118,078	\$24,273,555	\$24,428,543	\$24,583,043	\$24,737,055	\$24,890,580	\$25,043,616	\$25,043,616
	\$23,254,175	\$23,412,335	\$23,570,008	\$23,727,192	\$23,883,888	\$24,040,096	\$24,195,816	\$24,351,049	\$24,505,793	\$24,660,049	\$24,813,817	\$24,967,098	
												,	
	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	
	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	
	7.4180%	7.4180%	7.4180%	7 44 000	2								
	3.5900%	3.5900%	3.5900%	7.4180% 3.5900%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	
	5.550070	3.3300%	3.3500%	3.3900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	
	\$143,750	\$144,727	\$145,702	\$146,674	\$147,642	\$148,608	Ć1 40 E70	4					
	\$69,569	\$70,042	\$70,514	\$70,984	\$71,453	\$71,920	\$149,570 \$72,386	\$150,530 \$72,850	\$151,487	\$152,440	\$153,391	\$154,338	\$1,788,859
_	\$213,318	\$214,769	\$216,216	\$217,657	\$219,095	\$220,528	\$221,956	\$223,380	\$73,313 \$224,800	\$73,775	\$74,235	\$74,693	\$865,732
-				VIII.,00.	V-13,033	ĢEEG, SEE	3221,336	3223,300	\$224,800	\$226,215	\$227,625	\$229,032	\$2,654,591
	\$44,263	\$44,625	\$44,986	\$45,348	\$45,709	\$46,070	\$46,432	\$46,793	\$47.155	\$47,516	\$47,878	****	
	\$15,494	\$15,621	\$15,747	\$15,874	\$16,000	\$16,127	\$16,254	\$16,380	\$16,507	\$16,633	\$16,760	\$48,239	\$555,014
	\$37,024	\$37,024	\$37,024	\$37,024	\$37,024	\$37,024	\$40,197	\$40,197	\$40,197	\$40,197	\$16,760 \$40,197	\$16,886	\$194,283
	\$24,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0,137	\$44,157	\$40,197	\$40,197 \$0	\$463,326
_	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$0 \$833	\$24,000
	\$121,614	\$98,102	\$98,590	\$99,078	\$99,566	\$100,054	\$103,715	\$104,203	\$104,691	\$105,179	\$105,667	\$106,155	\$9,996
											7203,007	41749,133	31,446,519
_	\$334,933	\$312,872	\$314,806	\$316,736	\$318,661	\$320,582	\$325,672	\$327,584	\$329,491	\$331,394	\$333,293	\$335,187	\$3,901,210
											+,2,200	4000,401	\$3,3UL,21U

\$747,727 \$3,153,483

Florida Public Utilities Company Gas Reliability Infrastructure Program (GRIP) Calculation of the Projected Revenue Requirements July 1, 2021 through June 30, 2022

Attachment D (REVISED) Schedule 8 (FPUC) Page 10 of 10

	Beginning													Year End
<u>ftem</u>	<u>Balance</u>	<u>July</u>	<u>August</u>	<u>September</u>	October	November	December	January	February	March	<u>April</u>	May	June	Total
Qualified Investment													June	<u>ruta:</u>
Qualified Investment - Mains - Current Year		\$173,504	\$173,504	\$173,594	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$2,082,043
Qualified Investment - Services - Current Year		\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$535,897
Total Qualified Investment - Mains	\$23,154,841	\$23,328,345	\$23,501,848	\$23,675,352	\$23,848,855	\$24,022,359	\$24,195,863	\$24,369,366	\$24,542,870	\$24,716,373	\$24,889,877	\$25,063,380	\$25,236,884	\$25,236,884
Total Qualified Investment - Services	\$5,959,823	\$6,004,481	\$6,049,139	\$6,093,797	\$6,138,455	\$6,183,113	\$6,227,771	\$6,272,430	\$6,317,088	\$6,361,746	\$6,406,404	\$6.451.062	\$6,495,720	\$6,495,720
Total Qualified Investment	\$29,114,664	\$29,332,826	\$29,550,987	\$29,769,149	\$29,987,311	\$30,205,472	\$30,423,634	\$30,641,796	\$30,859,957	\$31,078,119	\$31,296,281	\$31,514,442	\$31,732,604	\$31,732,604
Less: Accumulated Depreciation	(\$4.071.048)	(\$4,136,662)	(\$4,202,763)	(\$4,269,352)	(\$4,336,430)	(\$4,403,995)	(\$4,472,049)	(\$4,540,590)	(\$4,609,619)	(\$4,679,137)	#4.740.440I	******		
Net Book Value	\$25,043,616		\$25,348,224	\$25,499,797	\$25,650,882	\$25,801,477	\$25,951,585	\$26,101,206	\$26,250,338	\$26,398,982	(\$4,749,142) \$26,547,138	(\$4,819,636) \$26,694,807	(\$4,890,617) \$26,841,987	(\$4,890,617) \$26,841,987
Average Net Qualified Investment	-	\$25,119,890	\$25,272,194	\$25,424,010	CTE CTE COD	ČTC TTC 170	for any for	Ć26 025 206	f26.435.35-	4				
	-	443,443,04 <u>0</u>	723,212,234	723,424,020	323,373,337	323,/26,1/9	\$25,876,531	\$26,026,395	\$26,175,772	\$26,324,660	\$26,473,060	\$26,620,973	\$26,768,397	
Depreciation Rates														
Approved Depreciation Rate-Mains		2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	
Approved Depreciation Rate-Services		3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	
Return on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of Income Tax Gross-up		7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	7.4180%	
Debt - Cost of Capital		3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	3.5900%	
Equity Component - inclusive of Income Tax Gross-up		\$155,283	\$156,224	\$157,163	\$158,098	\$159,031	\$159,960	\$160,886	\$161,810	\$162,730	\$163,648	\$164,562	\$165.473	\$1,924,868
Debt Component		\$75,150	\$75,606	\$76,060	\$76,513	\$76,964	\$77,414	577,862	\$78,309	\$78,755	579,199	\$79,641	\$80.082	\$931,555
Return Requirement	-	\$230,433	\$231,830	\$233,223	\$234,611	\$235,995	\$237,374	\$238,749	\$240,119	\$241,485	\$242,846	\$244,203	\$245,555	\$2,856,424
Investment Expenses														
Depreciation Expense - Mains		\$48,601	\$48,962	\$49,324	\$49,685	\$50,047	\$50,408	\$50,770	\$51,131	\$51,492	\$51,854	ćr2 745	4	
Depreciation Expense - Services		\$17,013	\$17,139	\$17,266	\$17,392	\$17,519	\$17,645	\$17,772	\$17,898	\$18,025	\$18,151	\$52,215	\$52,577	\$607,065
Property Taxes		\$40,197	\$40,197	\$40,197	\$40,197	\$40,197	\$40,197	\$43,253	\$43,253	\$43,253	\$43,253	\$18,278	\$18,405	\$212,503
Customer Notice Expense		\$24,000	\$0	\$0	So	\$0	\$0	\$0	\$0	\$43,233		\$43,253	\$43,253	\$500,700
General Public Notice Expense		\$833	\$833	5833	\$833	5833	\$833	\$833	\$833	5833	\$0 \$833	\$0 \$833	\$0	\$24,000
Total Expense	-	\$130,643	\$107,131	\$107,619	\$108,107	\$108,595	\$109,083	\$112,627	\$113,115	\$113,603	\$114,091	\$114,579	\$833 \$115,067	\$9,996 \$1,354,265
Total Revenue Reguirements	_	\$361,077	\$338,962	\$340,842	\$342,719	\$344,590	\$346,457	\$351,376	\$353,234	\$355,088	\$356,938	\$358,782	\$360,623	\$4,210,688
Annual Revenue Requirement for Bare Steel Replacement Investment														
Net Annual Revenue Requirements														\$747,727
•														\$3,462,961

Gas Reliability Infrastructure Program (GRIP)
Two Year Projection of Qualified Mains & Services Revenue Requirements
Surcharge Calculation - July 1, 2012 through June 30, 2014
Per Therm Rate

Attachment D (REVISED) Schedule C (FPUC) Page 1 of 5

1. Two Year Qualified Mains & Services Replacement Revenue Requirements \$171,991 Mains 80% \$137,593 Services \$34,398 \$171,991 Net 2. TRUE-UP from Prior Period \$0 3. Annual Qualified Mains & Services Replacement Revenue Requirements \$85,996 Mains 80% \$68,797 Services 20% \$17,199 \$85,996 Net

							DOLLARS		GRIP	TYPICAL	
RATE	2010	SERVICES	MAINS	SERVICES	MAINS	GRIP	PER	TAX	FACTORS	ANNUAL	ANNUAL
SCHEDULE	THERMS	cos %	COS %	REV REQ	REV REQ	REV REQ	THERM	FACTOR	PER THERM	THERM\$	COST
								-			
RESIDENTIAL	13,598,390	58.00%	22.00%	\$9,975	\$15,135	\$25,111	\$0.00185	1.00503	\$0,00186	250	\$0.46
COMMERCIAL SMALL	8,536,560	17.00%	23.00%	\$2,924	\$15,823	\$18,747	\$0.00220	1.00503	\$0.00221	2,500	\$5.52
(General Service & GS Transportation)											
COMM. LRG VOLUME	37,819,530	25.00%	46.00%	\$4,300	\$31,647	\$35,946	\$0.00095	1.00503	\$0.00096	25,000	\$23.88
(Large Vol & LV Transportation)											
INTERRUPTIBLE SERVICE	5,737,400	0.00%	8,00%	\$0	\$5,504	\$5,504	\$0,00096	1.00503	\$0.00096	EQ 000	Ć40.34
(Int Service & IS Transportation)	5,757,400	0.0076	0.0076	φυ	φυ,υ <del>υ4</del>	\$3,304	<b>\$</b> 0.00090	1.00000	\$0,00096	50,000	\$48.21
(int dervice a lo Transportation)											
GENERAL LIGHTING SERVICE	396.090	0.00%	1.00%	\$0	\$688	\$688	\$0.00174	1.00503	\$0.00175	500	\$0.87

TOTAL	66,087,970	100.00%	100.00%	\$17,199	\$68,797	\$85,996

Gas Reliability Infrastructure Program (GRIP)

Two Year Projection of Qualified Mains & Services Revenue Requirements
Surcharge Calculation - July 1, 2014 through June 30, 2016
Per Therm Rate

Attachment D (REVISED) Schedule C (FPUC) Page 2 of 5

Two Year Qualified Mains & Services Replacement Revenue Requirement	S		\$2,559,683
Mains	80%	\$2,047,746	
Services	20%	\$511,937	
Net	=	\$2,559,683	
TRUE-UP from Prior Period			\$0
Annual Qualified Mains & Services Replacement Revenue Requirements			\$1,279,841
Mains	80%	\$1,023,873	
Services	20%	\$255,968	
Net	_	\$1,279,841	
	Mains Services Net  TRUE-UP from Prior Period  Annual Qualified Mains & Services Replacement Revenue Requirements Mains Services	Services 20%  Net  TRUE-UP from Prior Period  Annual Qualified Mains & Services Replacement Revenue Requirements  Mains 80%  Services 20%	Mains         80%         \$2,047,746           Services         20%         \$511,937           Net         \$2,559,683           TRUE-UP from Prior Period           Annual Qualified Mains & Services Replacement Revenue Requirements           Mains         80%         \$1,023,873           Services         20%         \$255,968

RATE SCHEDULE	2010 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ	MAINS REV REQ	GRIP REV REQ	DOLLARS PER THERM	TAX FACTOR	GRIP FACTORS PER THERM	TYPICAL ANNUAL THERMS	ANNUAL COST
RESIDENTIAL	13,598,390	58.00%	22.00%	\$148,461	\$225,252	\$373,714	\$0.02748	1.00503	\$0.02762	250	\$6.91
COMMERCIAL SMALL (General Service & GS Transportation)	8,536,560	17.00%	23.00%	\$43,515	\$235,491	\$279,005	\$0.03268	1.00503	\$0.03285	2,500	\$82.12
COMM. LRG VOLUME (Large Vol & LV Transportation)	37,819,530	25.00%	46.00%	\$63,992	\$470,982	\$534,974	\$0.01415	1.00503	\$0.01422	25,000	\$355.41
INTERRUPTIBLE SERVICE (Int Service & IS Transportation)	5,737,400	0.00%	8.00%	\$0	\$81,910	\$81,910	\$0.01428	1.00503	\$0.01435	50,000	\$717.41
GENERAL LIGHTING SERVICE	396,090	0.00%	1.00%	\$0	\$10,239	\$10,239	\$0.02585	1.00503	\$0.02598	500	\$12.99

TOTAL	66,087,970	100.00%	100.00%	\$255,968	\$1,023,873 \$1,279,841

Gas Reliability Infrastructure Program (GRIP)

Two Year Projection of Qualified Mains & Services Revenue Requirements
Surcharge Calculation - July 1, 2016 through June 30, 2018
Per Therm Rate

Attachment D (REVISED) Schedule C (FPUC) Page 3 of 5

1. Two Year Qualified Mains & Services Replacement Revenue Requirements \$3,994,371 Mains 80% \$3,195,497 Services \$798,874 Net \$3,994,371 2. TRUE-UP from Prior Period \$0 3. Annual Qualified Mains & Services Replacement Revenue Requirements \$1,997,185 80% \$1,597,748 20% \$399,437 Services \$1,997,185 Net

RATE SCHEDULE	2010 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ	MAINS REV REQ	GRIP REV REQ	DOLLARS PER THERM	TAX FACTOR	GRIP FACTORS PER THERM	TYPICAL ANNUAL THERMS	ANNUAL COST
RESIDENTIAL	13,598,390	58.00%	22.00%	\$231,673	\$351,505	\$583,178	\$0.04289	1.00503	\$0,04310	250	\$10.78
COMMERCIAL SMALL (General Service & GS Transportation)	8,536,560	17.00%	23.00%	\$67,904	\$367,482	\$435,386	\$0.05100	1.00503	\$0.05126	2,500	\$128.15
COMM. LRG VOLUME (Large Vol & LV Transportation)	37,819,530	25.00%	46.00%	\$99,859	\$734,964	\$834,823	\$0.02207	1.00503	\$0.02218	25,000	\$554.62
INTERRUPTIBLE SERVICE (Int Service & IS Transportation)	5,737,400	0.00%	8.00%	\$0	\$127,820	\$127,820	\$0.02228	1.00503	\$0.02239	50,000	\$1,119.52
GENERAL LIGHTING SERVICE	396,090	0.00%	1.00%	\$0	\$15,977	\$15,977	\$0.04034	1.00503	\$0.04054	500	\$20.27

TOTAL	66,087,970	100.00%	100.00%	\$399,437	\$1,597,748 \$1,997,185

#### Gas Reliability Infrastructure Program (GRIP)

Two Year Projection of Qualified Mains & Services Revenue Requirements
Surcharge Calculation - July 1, 2018 through June 30, 2020
Per Therm Rate

Attachment D (REVISED) Schedule C (FPUC) Page 4 of 5

1.	Two Year Qualified Mains & Services Replacement Revenue Requirement	S		\$5,341,975
	Mains	80%	\$4,273,580	
	Services	20%	\$1,068,395	
	Net	,	\$5,341,975	
2.	TRUE-UP from Prior Period			\$0
3.	Annual Qualified Mains & Services Replacement Revenue Requirements			\$2,670,987
	Mains	80%	\$2,136,790	
	Services	20%	\$534,197	
	Net		\$2,670,987	

RATE SCHEDULE	2010 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ	MAINS REV REQ	GRIP REV REQ	DOLLARS PER THERM	TAX FACTOR	GRIP FACTORS PER THERM	TYPICAL ANNUAL THERMS	ANNUAL COST
RESIDENTIAL	13,598,390	58.00%	22.00%	\$309,834	\$470,094	\$779,928	\$0.05735	1.00503	\$0.05764	250	\$14.41
COMMERCIAL SMALL (General Service & GS Transportation)	8,536,560	17.00%	23.00%	\$90,813	\$491,462	\$582,275	\$0.06821	1.00503	\$0.06855	2,500	\$171.38
COMM. LRG VOLUME (Large Vol & LV Transportation)	37,819,530	25.00%	46.00%	\$133,549	\$982,923	\$1,116,473	\$0.02952	1.00503	\$0.02967	25,000	\$741.74
INTERRUPTIBLE SERVICE (Int Service & IS Transportation)	5,737,400	0.00%	8,00%	\$0	\$170,943	\$170,943	\$0.02979	1.00503	\$0.02994	50,000	\$1,497.22
GENERAL LIGHTING SERVICE	396,090	0.00%	1.00%	\$0	\$21,368	\$21,368	<b>\$0</b> .05395	1.00503	\$0.05422	500	\$27.11

TOTAL	66,087,970	100.00%	100.00%	\$534,197	\$2,136,790 \$2,670,987

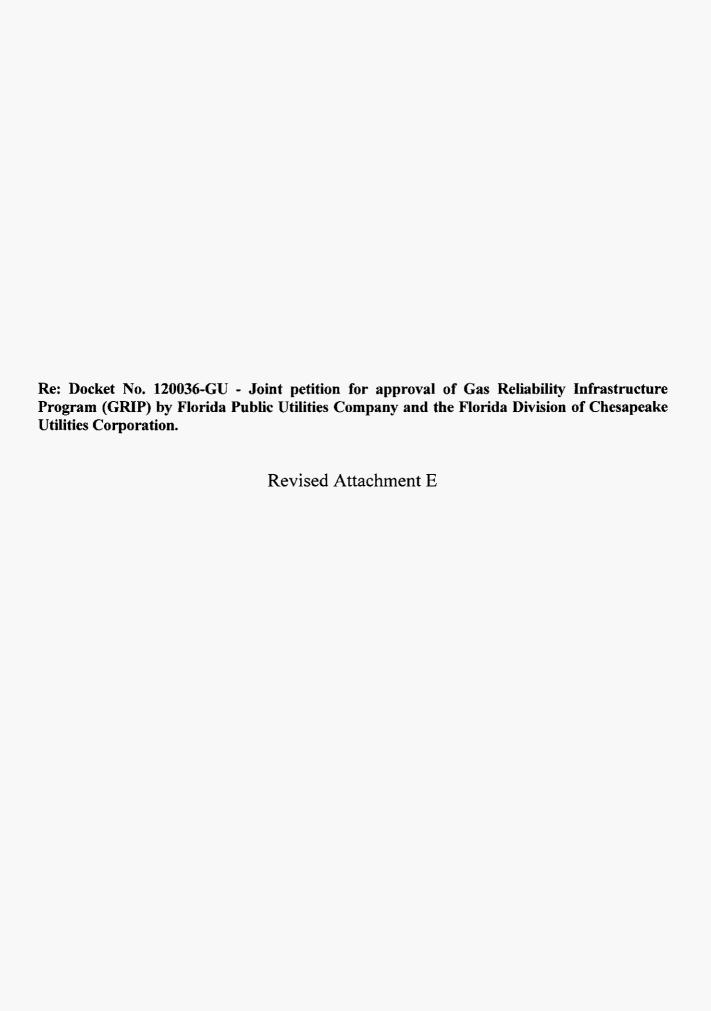
Gas Reliability Infrastructure Program (GRIP)
Two Year Projection of Qualified Mains & Services Revenue Requirements
Surcharge Calculation - July 1, 2020 through June 30, 2022
Per Therm Rate

Attachment D (REVISED) Schedule C (FPUC) Page 5 of 5

1. Two Year Qualified Mains & Services Replacement Revenue Requirements \$6,616,445 Mains 80% \$5,293,156 Services 20% \$1,323,289 Net \$6,616,445 2. TRUE-UP from Prior Period \$0 3. Annual Qualified Mains & Services Replacement Revenue Requirements \$3,308,222 Mains 80% \$2,646,578 Services \$661,644 Net \$3,308,222

RATE SCHEDULE	2010 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ	MAINS REV REQ	GRIP REV REQ	DOLLARS PER THERM	TAX FACTOR	GRIP FACTORS PER THERM	TYPICAL ANNUAL THERMS	ANNUAL COST
RESIDENTIAL	13,598,390	58.00%	22.00%	\$383,754	\$582,247	\$966,001	\$0.07104	1.00503	\$0.07140	250	\$17.85
COMMERCIAL SMALL (General Service & GS Transportation)	8,536,560	17.00%	23.00%	\$112,479	\$608,713	\$721,192	\$0.08448	1.00503	\$0.08491	2,500	\$212.27
COMM. LRG VOLUME (Large Vol & LV Transportation)	37,819,530	25.00%	46.00%	\$165,411	\$1,217,426	\$1,382,837	\$0.03656	1.00503	\$0.03675	25,000	\$918.70
INTERRUPTIBLE SERVICE (Int Service & IS Transportation)	5,737,400	0.00%	8.00%	\$0	\$211,726	\$211,726	\$0.03690	1.00503	\$0.03709	50,000	\$1,854.42
GENERAL LIGHTING SERVICE	396,090	0.00%	1.00%	\$0	\$26,466	\$26,466	\$0.06682	1.00503	\$0.06715	500	\$33.58

TOTAL	66,087,970	100.00%	100.00%	\$661,644	\$2,646,578 \$3,308,222



## Florida Division of Chesapeake Utilities Corporation

Gas Reliability Infrastructure Program (GRIP)
Investment and Annual Recovery information

# Attachment E (REVISED) Schedule A (CHPK)

		Plant			
Item	<u>%</u>	<u>Amount</u>	Quantity		Per Unit \$
Estimated Qualified Remaining Replacement Investment as of 6/30/2012					
Mains	97% \$	19,373,768	152	Miles	\$ 127,459
Services	3%_\$	620,268	762	Each	\$ 814
Remaining Qualified Replacement Investment as of 06/30/2012	\$	19,994,036			
Annual Qualified Replacement Investment, beginning 7/1/2012			10	Years	
Mains	\$	1,937,377			
Services	\$	62,027			
Total Annual Qualified Replacement Investment	\$	1,999,404			
Docket Number 090125-GU					
Equity Cost Rate		10.75%			
Weighted Equity Cost Rate		4.68%			
Revenue Expansion Factor		1.6114			
Weighted Equity Cost Rate, times Revenue Expansion Factor	_	7.541%			
Weighted Debt Cost Rate		2.15%			
Overall Weighted Cost Rate		6.83%			

Florida Division of Chesapeake Utilities Corporation Gas Reliability Infrastructure Program (GRIP) Calculation of the Projected Revenue Requirements July 1, 2012 through June 30, 2013

Attachment E (REVISED) Schedule B (CHPK) Page 1 of 10

ttem Qualified investment	Beginning <u>Balance</u>	July	August	September	October	November	<u>December</u>	January	February	March	April	May	June	Year End Total
Qualified Investment - Mains - Current Year		****										_		
Qualified Investment - Services - Current Year		\$161,448 \$5,169	\$161,448 \$5,169	\$161,448 \$5,1 <del>6</del> 9	\$161,448 \$5, <i>169</i>	\$1 <b>61,448</b> \$5,169	\$161,448 \$5,169	\$161,448 \$5,269	\$161,448 \$5, <i>16</i> 9	\$161,448 \$5,269	\$161,448 \$5,169	\$161,448 \$5,169	\$161,448 \$5,169	\$1,937,377 \$62,027
Total Qualified investment - Mains	\$0	\$161,448	\$322,896	\$484,344	\$645,792	\$807,240	\$968,689	\$1,130,137	Ć1 201 FAE	4				
Total Qualified Investment - Services	So	\$5,169	510.338	\$15.507	\$20,676	\$25,845	\$31,014	\$36,182	\$1,291,585	\$1,453,033	\$1,614,481	\$1,775,929	\$1,937,377	\$1,937,377
Total Qualified investment	\$0	\$166,617	\$333,234	\$499,851	\$666,468	\$833,085	\$999,702	\$1,166,319	\$41,351	\$46,520 \$1,499,553	\$51,689 \$1,666,170	\$56,858 \$1,832,787	\$62,027 \$1,999,404	\$62,027
Less: Accumulated Depreciation								*-//	77,75	41,-55,555	31,000,170	\$1,632,767	\$1,999,404	\$1,999,404
Net Book Value		(\$459)	(\$1,378)	(\$2,757)	{\$4,595}	(\$6,892)	(\$9,649)	(\$12,866)	[\$16,542)	(\$20,677)	(\$25,272)	(\$30,326)	(\$35,840)	(\$35,840)
The Substitute	\$0	\$166,158	\$331,856	\$497,094	\$661,873	\$826,193	\$990,053	\$1,153,453	\$1,316,394	\$1,478,876	\$1,640,898	\$1,802,461	\$1,963,564	\$1,963,564
Average Net Qualified Investment	_										***************************************			
	_	\$83,079	\$249,007	\$414,475	\$579,484	\$744,033	\$908,123	\$1,071,753	\$1,234,924	\$1,397,635	\$1,559,887	\$1,721,679	\$1,883,012	
Depreciation Rates														
Approved Depreciation Rate-Mains		3.30%	3.30%	3,30%	3.30%									
Approved Depreciation Rate-Services		3.60%	3.60%	3.60%	3.50%	3.30% 3.60%	3.30% 3.50%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	
		5,557,5	,	3.00%	3.00%	3.50%	3.90%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	
Return on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of Income Tax Gross-up		7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.54.00	7.54			
Debt - Cost of Capital		2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	7.5410% 2.1500%	7.5410% 2.1500%	7.5410%	7.5410%	
							2.222076	2.230070	2.130078	2.1500%	4.1500%	2.1500%	2.1500%	
Equity Component - inclusive of Income Tax Gross-up		\$522	\$1,565	\$2,605	\$3,642	\$4,676	\$5,707	\$6,735	\$7,760	\$8,783	\$5,803	\$10,819	***	
Debt Component		\$149	\$446	\$743	\$1,038	\$1,333	\$1,627	\$1,920	\$2,213	\$2,504	\$2,795	\$3.085	\$11,833 \$3,374	\$74,449
Return Requirement		\$671	\$2,011	\$3,347	\$4,680	\$6,009	\$7,334	\$8,655	\$9,973	\$11,287	\$12,597	\$13,904	\$15,207	\$21,226 \$95,675
Investment Expenses											¥=,137	323,504	713,201	393,673
Depreciation Expense - Mains														
Depreciation Expense - Services		5444	\$888	\$1,332	\$1,776	\$2,220	\$2,664	\$3,108	\$3,552	\$3,996	\$4,440	\$4,884	\$5.328	\$34,631
Property Taxes		\$16	\$31	\$47	\$62	\$78	\$93	\$109	\$124	\$140	\$155	\$171	\$186	\$1,210
Customer Notice Expense		\$0	\$0	\$0	\$0	\$0	\$0	\$1,650	\$1,650	\$1,650	\$1,650	\$1,650	\$1,650	\$9,900
General Public Notice Expense		\$6,794	<b>\$0</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	śo	\$0	\$6,794
Total Expense		\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$5,002
1000 Expense	<del></del>	\$7,670	\$1,336	\$1,795	\$2,255	\$2,714	\$3,174	\$5,283	\$5,743	\$6,202	\$6,662	\$7,121	\$7,581	\$57,536
Total Revenue Requirements	_	\$8,341	\$3,347	\$5,143	\$6,935	\$8,723	\$10,508	\$13,938	\$15,716	\$17,489	\$19,259	\$21,025	\$22,787	\$153,211

Florida Division of Chesapeake Utilities Corporation
Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2013 through June 30, 2014

Attachment E (REVISED) Schedule B (CHPK)
Page 2 of 10

ttem Qualified inve		Beginning Balance	july	August	September	October	<u>No</u> vember	December	lanuary	February	March	April			Year End
Qualified inve	Cualified Investment - Mains - Current Year								<u></u>	. 22,047	iviai ci)	Skui	May	<u>June</u>	<u>Total</u>
	Qualified Investment - Mains - Current Year  Qualified Investment - Services - Current Year		\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	*****	
	Grammen investment - Pervices - Chilent Aest		\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,16 <del>9</del>	\$161,448 \$5,169	\$1,937,377 \$62,027
	Total Qualified Investment - Mains	\$1,937,377	\$2,098,825	\$2,260,273	\$2,421,721	\$2,583,169	\$2,744,617	*******						**,2**	ÇUL,OL.
	Total Qualified Investment - Services	\$62,027	\$67,196	\$72,365	\$77,534	\$82,703	\$2,744,617 \$87,872	\$2,906,066 \$93,041	\$3,067,514	\$3,228,962	\$3,390,410	\$3,551,858	\$3,713,306	\$3,874,754	\$3,874,754
	Total Qualified Investment	\$1,999,404	\$2,166,021	\$2,332,638	\$2,499,255	\$2,665,872	\$2,832,489	\$2,999,106	\$98,209	\$103,378	\$108,547	\$113,716	\$118,885	\$124,054	\$124,054
		<del></del>	V2/200/023	72,332,030	\$2,433,233	32,003,672	32,832,489	\$2,999,106	\$3,165,723	\$3,332,340	\$3,498,957	\$3,665,574	\$3,832,191	\$3,998,808	\$3,998,808
	Less: Accumulated Depreciation	(\$35,840)	(\$41,813)	(\$48. <b>246</b> )	(\$55,139)	(\$62,491)	(\$70,302)	(dag ran)							•
	Net Book Value	\$1,963,564	\$2,124,208	\$2,284,392	\$2,444,116	\$2,603,381	\$2,762,187	(\$78,573) \$2,920,533	(\$87,303)	(\$96,493)	(\$106,142)	(\$116,251)	(\$126,819)	(\$137,847)	(\$137,847)
				V-//	<i>V</i> 2,,110	\$2,003,381	32,702,107	52,320,533	\$3,078,420	\$3,235,847	\$3,392,815	\$3,549,323	\$3,705,372	\$3,860,961	\$3,860,961
	Average Net Qualified Investment	-	\$2,043,886	\$2,204,300	\$2,364,254	\$2,523,749	\$2,682,784	********							
		-	42,412,000	JE,20-1,300	22,304,234	32,323,143	32,682,784	\$2,841,360	\$2,999,477	\$3,157,134	\$3,314,331	\$3,471,069	\$3,627,348	\$3,783,167	
Depreciation R	ates														
	Approved Depreciation Rate-Mains		3.30%	3.30%	3,30%	3.30%	3.30%	2 200							
	Approved Depreciation Rate-Services		3.60%	3.60%	3.60%	3.60%	3.50%	3.30% 3.60%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	
				510070	3.00%	3.00%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	
Return on Aver	age Net Qualified Investment														
	Equity - Cost of Capital, inclusive of Income Tax Gross-up		7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%						
	Debt - Cost of Capital		2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	7.5410% 2.1500%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	
						2.2300.0	2.1300%	2.1300%	2.1300%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	
	Equity Component - inclusive of Income Tax Gross-up		\$12,844	\$13,852	\$14,857	\$15,860	\$16,859	\$17,856	\$18,849	\$19,840	f=n 030		_		
	Debt Component		\$3,662	\$3,949	\$4,236	\$4,522	\$4,807	\$5.091	\$5,374	\$5,657	\$20,828	\$21,813	\$22,795	\$23,774	\$220,027
	Return Requirement	-	\$16,506	\$17,802	\$19,093	\$20,381	\$21,666	\$22,946	\$24,223	\$25,496	\$5,938	\$6,219	\$6,499	\$6,778	\$62,731
		-				,,	102,000	\$12,540	324,223	\$23,43b	\$26,766	\$28,032	\$29,294	\$30,552	\$282,758
Investment Exp															
	Depreciation Expense - Mains		\$5,772	\$6,216	\$6,660	\$7,104	\$7,548	\$7,992	\$8,436	\$8,880	4	4.			
	Depreciation Expense - Services		\$202	\$217	\$233	\$248	\$264	\$279	\$6,436 \$295	\$8,880 \$310	\$9,324	\$9,768	\$10,212	\$10,656	\$98,564
	Property Taxes		\$1,650	\$1,650	\$1,650	\$1,650	\$1,650	\$1,650	\$4,868	\$4,868	\$326	\$341	\$357	\$372	\$3,442
	Customer Notice Expense		\$6,794	\$0	\$0	SO	\$0	\$0	54,666 \$0	34,606 \$0	\$4,868	\$4,868	\$4,868	\$4,868	\$39,108
	General Public Notice Expense		\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$0	\$0	\$0	\$0	\$6,794
	Total Expense		\$14,834	\$8,500	\$8,959	\$9,418	\$9,878	\$10,337	\$14,015	\$14.474	\$417 \$14,934	\$417	\$417	\$417	\$5,000
		-				*-,	42,070	720,000	174,013	314,474	\$14,934	\$15,393	\$15,853	\$16,312	\$152,909
Total Revenue I	Requirements		\$32,340	\$26,301	\$28,052	\$29,800	\$31,544	\$33,284	\$38,238	\$39,971	£41.200	******			
		***				,	452,574	433,207	230,230	1/5,555	\$41,700	\$43,425	\$45,147	\$46,865	\$435,667

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2014 through June 30, 2015

Attachment E (REVISED) Schedule B (CHPK) Page 3 of 10

		Beginning													Year End
<u>ltem</u>		Balance	<u>July</u>	August	September	<u>October</u>	<u>November</u>	<u>December</u>	January	February	March	April	May	June	Total
Qualified Inv															
	Qualified Investment - Mains - Current Year		\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$1,937,377
	Qualified Investment - Services - Current Year		\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$62,027
	Total Qualified Investment - Mains	\$3,874,754	\$4,036,202	\$4,197,650	\$4,359,098	\$4,520,546	\$4,681,994	\$4,843,443	\$5,004,891	\$5,166,339	\$5,327,787	\$5,489,235	\$5,650,683	ff == 2 = 2 =	AF 013 131
	Total Qualified Investment - Services	\$124,054	\$129,223	\$134,392	\$139,561	\$144,730	\$149,899	\$155,068	\$160,236	\$165,405	\$170,574	\$175,743	\$180,912	\$5,812,131 \$186,081	\$5,812,131
	Total Qualified Investment	\$3,998,808	\$4,165,425	\$4,332,042	\$4,498,659	\$4,665,276	\$4,831,893	54,998,510	\$5,165,127	\$5,331,744	\$5,498,361	\$5,664,978	\$5,831,595	\$5,998,212	\$166,081
					* /	.,,	, , , ,	,,	++,140,1E.	Q0,551,744	\$5,450,501	33,004,376	33,631,333	\$3,330,212	33,330,212
	Less: Accumulated Depreciation	(\$137,847)	(\$149,334)	(\$161,281)	(\$173,687)	(\$186,553)	(\$199,878)	(\$213,662)	(\$227,907)	(\$242,610)	(\$257,773)	(\$273,396)	(\$289,478)	(\$306,020)	(\$306,020)
	Net Book Value	\$3,860,961	\$4,016,091	\$4,170,761	\$4,324,972	\$4,478,723	\$4,632,015	\$4,784,848	\$4,937,220	\$5,089,134	\$5,240,588	\$5,391,582	\$5,542,117	\$5,692,192	\$5,692,192
									,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
	Average Net Qualified Investment	_	\$3,938,526	\$4,093,426	\$4,247,867	\$4,401,848	\$4,555,369	\$4,708,431	\$4,861,034	\$5,013,177	\$5,164,861	\$5,316,085	\$5,466,850	\$5,617,155	
		_													
Depreciation	Rates														
	Approved Depreciation Rate-Mains		3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	
	Approved Depreciation Rate-Services		3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	
Return on Av	erage Net Qualified Investment														
	Equity - Cost of Capital, inclusive of Income Tax Gross-up		7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5.4.44	
	Debt - Cost of Capital		2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	7.5410% 2.1500%	
	• • • • • • • • • • • • • • • • • • • •					2,2555,	2.255075	2.1300.0	2.230074	2.1300/6	2.1500%	2.1300%	2.1300%	2.1300%	
	Equity Component - inclusive of Income Tax Gross-up		\$24,750	\$25,724	\$26,694	\$27,662	\$28,627	\$29,589	\$30,548	\$31,504	\$32,457	\$33,407	\$34,355	\$35,299	\$360,615
	Debt Component		\$7,057	\$7,334	\$7,611	\$7,887	\$8,162	\$8,436	\$8,709	\$8,982	\$9,254	\$9,525	\$9,795	\$10,064	\$102,814
	Return Requirement	_	\$31,807	\$33,058	\$34,305	\$35,549	\$36,788	\$38,025	\$39,257	\$40,486	\$41,711	\$42,932	\$44,149	\$45,363	\$463,429
investment E	1														
	Depreciation Expense - Mains		\$11,100	\$11,544	\$11,988	\$12,432	\$12,875	\$13,319	\$13,763	\$14,207	\$14,651	\$15,095	\$15,539	\$15,983	\$162,497
	Depreciation Expense - Services		\$388	\$403	\$419	\$434	\$450	\$465	\$481	\$496	\$512	\$527	\$543	\$558	\$5,675
	Property Taxes		\$4,868	\$4,868	\$4,868	\$4,868	\$4,868	\$4,868	\$7,975	\$7,975	\$7,975	\$7,975	\$7,975	\$7,975	\$77,058
	Customer Notice Expense		\$6,794	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,794
	General Public Notice Expense	_	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$5,000
	Total Expense		\$23,566	\$17,231	\$17,691	\$18,150	\$18,610	\$19,069	\$22,636	\$23,095	\$23,555	\$24,014	\$24,474	\$24,933	\$257,025
Total Revenu	e Requirements		\$55,373	\$50,289	\$51,996	\$53,699	\$55,398	\$57,094	\$61,893	\$63,581	\$65,265	\$66,946	\$68,623	\$70,296	\$720,454
											100	,		7.3,630	4/4.54

Florida Division of Chesapeake Utilities Corporation
Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2015 through June 30, 2016

Attachment E (REVISED) Schedule B (CHPK) Page 4 of 20

Item Qualified Investment		Beginning Bajance	July	August	September	October	November	December	<u> Ianuary</u>	<u>February</u>	March	April	Мах	June	Year End Total
	stment - Mains - Current Year		****	£151.440	****	f.c	****	**** ***	****	****	****				
	streent - Mains - Current Year streent - Services - Current Year		\$161,448	\$161,448 \$5,169	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$1,937,377
Qualified inve	strient - Services - Current rear		\$5,169	\$5,169	\$5,169	\$5,269	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$62,027
Total Qualified	Investment - Mains	\$5,812,131	\$5,973,579	\$6,135,027	\$6,296,475	\$6,457,923	\$6,619,371	\$6,780,820	\$6,942,268	\$7,103,716	\$7,265,164	\$7,426,612	57,588,060	\$7,749,508	\$7.749.508
Total Qualified	Investment - Services	\$186,081	\$191,250	\$196,419	\$201,588	\$206,757	\$211,926	\$217,095	\$222,263	5227,432	\$232,601	\$237,770	\$242,939	\$248,108	\$248,108
Total Qualified	Investment	\$5,998,212	\$6,164,829	\$6,331,446	\$6,498,063	\$6,664,680	\$6,831,297	\$6,997,914	\$7,164,531	\$7,331,148	\$7,497,765	\$7,664,382	\$7,830,999	\$7,997,616	\$7,997,616
Less: Accumul	ated Depreciation	(\$306,020)	(\$323,021)	(\$340,481)	(\$358,401)	(\$376,781)	(\$395,620)	(\$414,919)	(\$434,677)	(\$454,894)	(\$475,571)	(\$496,708)	(\$518,304)	(\$540,359)	(\$540,359)
Net Book Valu		\$5,692,192	\$5,841,808	\$5,990,965	56,139,662	\$6,287,899	\$6,435,677	\$6,582,995	\$6,729,854	\$6,876,254	\$7,022,194	\$7,167,674	\$7,312,695		
	•	73,032,132	33,0-1,000	33,320,303	30,133,002	30,201,033	30,433,077	30,302,333	30,723,634	70,070,234	37,022,154	\$7,167,674	\$7,312,695	\$7, <u>4</u> 57,257	\$7,457,257
Average Net C	ualified Investment	-	\$5,767,000	\$5,916,386	\$6,06\$,313	\$6,213,780	\$6,361,788	\$6,509,336	\$6,656,425	\$6,803,054	\$6,949,224	\$7,094,934	\$7,240,185	\$7,384,976	
Depreciation Rates															
11	reciation Rate-Mains		3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	
Approved Dep	reciation Rate-Services		3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.50%	
Return on Average Net Qualify	ed Investment														
Equity - Cost o	f Capital, Inclusive of Income Tax Gross-up		7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	
Debt - Cost of	Capital		2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	
Equity Compo	nent - inclusive of Income Tax Gross-up		\$36,241	\$37,180	\$38,115	\$39,048	\$39,979	\$40,906	\$41,830	\$42,752	\$43,670	\$44,586	\$45,499	\$46,408	\$496,213
Debt Compone	ent		\$10,333	\$10,600	\$10,867	\$11,133	\$11,398	\$11,663	\$11,926	\$12,189	\$12,451	\$12,712	\$12,972	\$13,231	\$141,474
Return Require	ement	_	\$46,573	\$47,780	\$48,982	\$50,181	\$51,377	\$52,568	\$53,756	\$54,940	\$56,121	\$57,298	\$58,471	\$59,640	\$637,687
investment Expenses															
	xpense - Mains		\$16,427	\$16.871	\$17,315	\$17.759	\$18,203	\$18,647	\$19,091	\$19,535	\$19,979	\$20,423	£30.047	4	
	Xpense - Services		\$574	\$589	\$605	\$620	\$636	\$651	\$667	\$682	\$698	\$20,423	\$20,867	\$21,311	\$226,431
Property Taxes			\$7,975	\$7,975	\$7,975	\$7,975	\$7,975	\$7,975	\$10,972	\$10,972	\$10,972		\$729	\$744	\$7,908
Customer Nati			\$6,794	\$0	\$0	\$0 \$0	\$7,975	\$0 \$0	\$10,572	\$10,972		\$10,972	\$10,972	\$10,972	\$113,682
	Notice Expense		\$6,734 \$417	\$417	\$417	\$0 \$417	\$0 \$417	\$417	\$0 \$417	\$0 \$417	\$0	\$0	\$0	\$0	\$6,794
Total Expense		-	\$32,187	\$25,852	\$26,312	\$26,771	\$27,231	\$27,690	\$31,147	\$31,606	\$417	\$417	\$417	\$417	\$5,000
(Ola) Expense		-	332,207	323,032	320,312	320,771	327,231	\$27,690	331,147	231,606	\$32,066	\$32,525	\$32,985	\$33,444	\$359,815
Total Revenue Requirements			\$78,760	\$73,632	\$75,294	\$76,953	\$78,607	\$80,259	\$84,903	\$86,547	\$88,186	\$89,823	\$91,455	\$93,084	\$997,503

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2016 through June 30, 2017

Attachment E (REVISED) Schedule B (CHPK) Page 5 of 10

<u>Item</u> Qualified In	/estment Qualified Investment - Mains - Current Year	Beginning Balance	Ţnp	August	<u>September</u>	October	<u>November</u>	<u>December</u>	January	February	March	<u>April</u>	<u>May</u>	June	Year End Total
	Qualified Investment - Services - Current Year		\$161,448 \$5,169	\$161,448 \$5,169	\$161,448 \$5,169	\$161,448 \$5,169	\$161,448 \$5,169	\$161,448 \$5,169	\$161,448 \$5,169	\$161,448 \$5,169	\$161,448 \$5,169	\$161,448 \$5,169	\$161,448 \$5.169	\$161,448 \$5,169	\$1,937,377 \$62,027
	Total Qualified Investment - Mains Total Qualified Investment - Services Total Qualified Investment	\$7,749,508 \$248,108 \$7,997,616	\$7,910,956 <u>\$253,277</u> \$8,164,233	\$8,072,404 \$258,446 \$8,330,850	\$8,233,852 \$263,615 \$8,497,467	\$8,395,300 \$268,784 \$8,664,084	\$8,556,748 \$273,953 \$8,830,701	\$8,718,196 \$279,122 \$8,997,318	\$8,879,645 \$284,290 \$9,163,935	\$9,041,093 \$289,459 \$9,330,552	\$9,202,541 \$294,628	\$9,363,989 \$299,797	\$9,525,437 \$304,966	\$9,686,88\$ \$310,13\$	\$9,686,885 \$310,135
	Less: Accumulated Depreciation Net Book Value	(\$\$40,359) \$7,457,257	(\$562,874) \$7,601,359	(\$585,848) \$7,745,002	(\$609,282) \$7,888,185	(\$633,176) \$8,030,908	(\$657,529) \$8,173,172	(\$682,341) \$8,314,977	(\$707,613) \$8,456,322	(\$733,344) \$8,597,208	\$9,497,169 (\$759,535) \$8,737,634	\$9,663,786 (\$786,186) \$8,877,600	\$9,830,403 (\$813,295) \$9,017,108	\$9,997,020 (\$840,865) \$9,156,155	\$9,997,020 (\$840,865) \$9,156,155
	Average Net Qualified investment	-	\$7,529,308	\$7,673,180	\$7,816,593	\$7,959,546	\$8,102,040	\$8,244,075	\$8,385,649	\$8,526,765	\$8,667,421	\$8,807,617	\$8,947,354	\$9,086,631	, 33,130,133
Depreciation	Rates											+4144.741.	30,347,334	53,000,031	
	Approved Depreciation Rate-Mains Approved Depreciation Rate-Services		3.30% 3.60%	3.30% 3.60%	3.30% 3.60%	3.30% 3.60%	3.30% 3.60%	3.30% 3.60%	3.30% 3.60%	3.30% 3.60%	3.30% 3.60%	3.30% 3.60%	3.30% 3.60%	3.30%	
Return on Av	erage Net Qualified investment										5.50%	3.40%	3.50%	3.60%	
	Equity - Cost of Capital, inclusive of Income Tax Gross-up Debt - Cost of Capital		7.5410% 2.1500%	7.5410% 2.1500%	7.5410% 2.1500%	7.5410% 2.1500%	7.5410% 2.1500%	7.5410% 2.1500%	7.5410% 2.1500%	7.5410% 2.1500%	7.5410% 2.1500%	7.5410% 2.1500%	7.5410% 2.1500%	7.5410% 2.1500%	
	Equity Component - inclusive of Income Tax Gross-up Debt Component Return Requirement	-	\$47,315 \$13,490 \$60,805	\$48,220 \$13,748 \$61,967	\$49,121 \$24,005 \$63,126	\$50,019 \$14,261 \$64,280	\$50,915 \$14,516 \$65,431	\$51,807 \$14,771 \$66,578	\$52,697 \$15,024 \$67,721	\$53,584 \$15,277 \$68,861	\$54,468 \$15,529	\$55,349 \$15,780	\$56,227 \$16,031	\$57,102 \$16,280	\$626,822 \$178,712
Investment E	roansas	_					****	000,010	307,722	304,861	\$69,997	\$71,129	\$72,257	\$73,382	\$805,534
	Depreciation Expense - Mains Depreciation Expense - Services Property Taxes Customer Notice Expense General Public Notice Expense		\$21,755 \$750 \$10,972 \$6,794 \$417	\$22,199 \$775 \$10,972 \$0 \$417	\$22,643 \$791 \$10,972 \$0	\$23,087 \$806 \$10,972 \$0	\$23,531 \$822 \$10,972 \$0	\$23,975 \$837 \$10,972 \$0	\$24,419 \$853 \$13,858 \$0	\$24,863 \$868 \$13,858 \$0	\$25,307 \$884 \$13,858 \$0	\$25,751 \$899 \$13,858 \$0	\$26,195 \$915 \$13,858 \$0	\$26,639 \$930 \$13,858 \$0	\$290,364 \$10,141 \$148,980 \$6,794
	Total Expense	-	\$40,698	\$34,363	\$417	\$417 \$35,282	\$417 \$35,742	\$417 \$36,201	\$417	\$417	\$417	\$417	\$417	\$417	\$5,000
Total Revenue	Requirements	_	\$101,503	\$96,330	\$97,948	\$99,562	\$101,172	\$102,779	\$39,547 \$107,268	\$40,006 \$108,867	\$40,466 \$110,462	\$40,925 \$112,054	\$41,385 \$113,642	\$41,844 \$115,226	\$461,280 \$1,266,813

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2017 through June 30, 2018

Attachment E (REVISED) Schedule B (CHPK) Page 6 of 10

<u>Item</u>	Beginning <u>Balance</u>	huly	August	September	October	November								Year End
Qualified  nvestment	<del></del>	2012	- WA	SCHICINGE	October	Movember	December	January	February	March	April	<u>May</u>	<u>June</u>	Total
Qualified Investment - Mains - Current Year		\$161,448	\$161.448	\$161,448	\$161,448	\$161,448	\$161,448	****	4.					
Qualified Investment - Services - Current Year		\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$161,448	\$161,448	\$161,448	\$151,448	\$161,449	\$161,448	\$1,937,377
		*	¥-1 <b>-</b>	V4,200	\$5,105	23,169	55,169	\$\$,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$62,027
Total Qualified Investment - Mains	\$9,686,885	\$9,848,333	\$10,009,781	\$10,171,229	\$10,332,677	\$10,494,125	*******	4						
Total Qualified Investment - Services	\$310,135	\$315,304	\$320,473	\$325,642	\$330,811	\$335,980	\$10,655,\$74	\$10,817,022	\$10,978,470	\$11,139,918	\$11,301,366	\$11,462,814	\$11,624,262	\$11,624,262
Total Qualified Investment	\$9,997,020	\$10,163,637	\$10,330,254	\$10,496,871	\$10,663,488		\$341,149	\$346,317	\$351,486	\$356,655	\$361,824	\$366,993	\$372,162	\$372,162
		7,0,200,000	V10,330,134	\$10,430,671	310,003,400	\$10,630,105	\$10,996,722	\$11,163,339	\$11,329,956	\$11,496,573	\$11,663,190	\$11,829,807	\$11,996,424	\$11,996,424
Less: Accumulated Depreciation	(\$840.865)	(\$868,894)	(\$897,382)	(\$926,330)	16055 300									
Net Book Value	\$9,156,155	\$9,294,743	\$9,432,872	\$9,570,541	(\$955,737)	(\$985,604)	(\$1,015,930)	(\$1,046,716)	11 1 1 1 1 1 1 1 1 1		(\$1,141,830)	(\$1,174,454)	(\$1,207,537)	(\$1,207,537)
		45,254,745	33,432,612	23,370,341	\$9,707,751	\$9,844,501	\$9,980,792	\$10,116,623	\$10,251,995	\$10,386,907	\$10,521,360	\$10,655,353	\$10,788,887	\$10,788,887
Average Net Qualified Investment	-	Č0 335												V = 0, 10, 11
	-	\$9,225,449	\$9,363,808	\$9,501,707	\$9,639,146	\$9,776,126	\$9,912,647	\$10,048,707	\$10,184,309	\$10,319,451	\$10,454,134	\$10,588,357	\$10,722,120	
Depreciation Rates								,				14-10-00,000	\$10,722,120	
Approved Depreciation Rate-Mains														
Approved Depreciation Rate-Services		3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	
A CONTRACTOR OF THE CONTRACTOR		3.60%	3.60%	3.60%	3.60%	3.60%	3.50%	3.50%	3.60%	3.60%	3.60%	3.50%	3.60%	
Return on Average Net Qualified Investment											5.0075	3.00%	3.00%	
Equity - Cost of Capital, inclusive of Income Tax Gross-up														
Debt - Cost of Capital		7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	
		2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	
Equity Component - inclusive of Income Tax Gross-up										2.2000.0	2.230070	2.1300%	2.1500%	
Debt Component		\$57,974	\$58,844	\$59,710	\$60,574	\$61,435	\$62,293	\$63,148	\$64,000	\$64,849	\$65,696	\$66,539	£52.200	6353 444
Return Requirement	_	\$16,529	\$16,777	\$17,024	\$17,270	\$17,516	\$17,760	\$18,004	518,247	\$18,489	\$18,730	\$18,971	\$67,380	\$752,441
The state of the s	_	\$74,503	\$75,621	\$76,734	\$77,844	\$78,950	\$80,053	\$81,152	\$82,247	\$83,338	\$84,426	\$85,510	\$19,210 \$86,590	\$214,527
Investment Expenses									······································		301/120	363,310	386,390	\$966,968
Depreciation Expense - Mains														
Depreciation Expense - Services		\$27,083	\$27,527	\$27,971	\$28,415	\$28,859	\$29,303	\$29,747	\$30,191	\$30,635	\$31,079	622.522	***	
Property Taxes		\$946	\$961	\$977	\$992	\$1,008	\$1,023	\$1,039	\$1,054	\$1,070	\$1,085	\$31,523	\$31,967	\$354,298
Customer Notice Expense		\$13,858	\$13,858	\$13,858	\$13,858	\$13,858	\$13,858	\$16,635	\$16.635	\$16,635	\$1,083	\$1,101	\$1,116	\$12,374
General Public Notice Expense		\$6,794	\$0	\$0	\$0	Śp	ŠD	SO	\$0	\$10,033		\$16,635	\$16,635	\$182,958
Total Expense	_	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$0 \$417	\$0 4	\$0	\$6,794
TOTAL EXPENSE	_	\$49,097	\$42,763	\$43,222	\$43,682	544,141	\$44,601	\$47,837	\$48.297	\$48,756		\$417	\$417	\$5,000
Total Revenue Requirements								+1.,031	V-10,237	340,730	\$49,216	\$49,675	\$50,135	\$561,424
ional vestina vednisuleut?	_	\$123,601	\$118,384	\$119,957	\$121,526	5123,092	\$124,654	\$128,989	\$130,544	C122 227				
	_		***************************************				7 - 45 - 45	*****,363	71.3U,344	\$132,095	\$133,642	\$135,185	\$136,725	\$1,528,392

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2018 through June 30, 2019

Attachment E (REVISED) Schedule B (CHPK) Page 7 of 10

	Beginning													Year End
<u> tem</u>	<u>Balance</u>	<u>July</u>	August	September	October	November	<u>December</u>	January	February	March	<u>April</u>	May	June	<u>Total</u>
Qualified Investment														
Qualified Investment - Mains - Current Year		\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$1,937,377
Qualified Investment - Services - Current Year		\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$62,027
Total Qualified Investment - Mains	******		4					•						
Total Qualified Investment - Mains  Total Qualified Investment - Services	511,624,262	\$11,785,710	\$11,947,158	\$12,108,606	\$12,270,054	\$12,431,502	\$12,592,951	\$12,754,399	\$12,915,847	\$13,077,295	\$13,238,743	\$13,400,191	\$13,561,639	\$13,561,639
	\$372,162	\$377,331	\$382,500	\$387,669	\$392,838	\$398,007	\$403,176	\$408,344	\$413,513	\$418,682	\$423,851	\$429,020	\$434,189	\$434,189
Total Qualified Investment	\$11,996,424	\$12,163,041	\$12,329,658	\$12,496,275	\$12,662,892	\$12,829,509	\$12,996,126	\$13,162,743	\$13,329,360	\$13,495,977	\$13,662,594	\$13,829,211	\$13,995,828	\$13,995,828
Less: Accumulated Depreciation	(\$1,207,537)	(\$1,241,080)	(\$1,275,082)	(\$1,309,544)	(\$1,344,465)	(\$1,379,845)	(\$1,415,686)	(\$1,451,985)	(\$1,488,744)	(\$1,525,963)	(\$1,563,641)	(\$1,601,779)	(\$1,640,376)	(\$1,640,376)
Net Book Value	\$10,788,887	\$10,921,961	\$11,054,576	\$11,186,731	\$11,318,427	\$11,449,664	\$11,580,440	\$11,710,758	\$11,840,616	\$11,970,014	\$12,098,953	\$12,227,432		\$12,355,452
							, ,	*,,				¥22,227,102	0.00,-00,-00	\$12,555,45E
Average Net Qualified Investment		\$10,855,424	\$10,988,269	\$11,120,654	\$11,252,579	\$11,384,045	\$11,515,052	\$11,645,599	\$11,775,687	\$11,905,315	\$12,034,484	\$12,163,193	\$12,291,442	
	_													
Depreciation Rates														
Approved Depreciation Rate-Mains		3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	
Approved Depreciation Rate-Services		3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	
Return on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of Income Tax Gross-up		7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	
Debt - Cost of Capital		2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	
						2,2000	Lizzoon	2/2000/2	2.1200%	2.2500%	2.230070	2.1300%	2.1500%	
Equity Component - inclusive of Income Tax Gross-up		\$68,217	\$69,052	\$69,884	\$70,713	\$71,539	\$72,363	\$73,183	\$74,000	\$74,815	\$75,627	\$76,436	\$77,241	\$873,070
Debt Component		\$19,449	\$19,687	\$19,925	\$20,161	\$20,396	\$20,631	\$20,865	\$21,098	\$21,330	\$21,562	\$21,792	\$22,022	\$248,919
Return Requirement	_	\$87,667	\$88,739	\$89,809	\$90,874	\$91,936	\$92,994	\$94,048	\$95,098	\$96,145	\$97,188	\$98,228	\$99,264	\$1,121,990
										-				
Investment Expenses			4	4										
Depreciation Expense - Mains		\$32,411	\$32,855	\$33,299	\$33,743	\$34,187	\$34,631	\$35,075	\$35,519	\$35,963	\$36,407	\$36,851	\$37,295	\$418,231
Depreciation Expense - Services		\$1,132	\$1,147	\$1,163	\$1,179	\$1,194	\$1,210	\$1,225	\$1,241	\$1,256	\$1,272	\$1,287	\$1,303	\$14,607
Property Taxes		\$16,635	\$16,635	\$16,635	\$16,635	\$16,635	\$16,635	\$19,301	\$19,301	\$19,301	\$19,301	\$19,301	\$19,301	\$215,616
Customer Notice Expense		\$6,794	\$0	\$0	\$0	\$0	\$0	, <b>\$</b> 0	, \$O	\$0	. \$0	\$0	\$0	\$6,794
General Public Notice Expense	-	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	5417	\$417	\$5,000
Total Expense	-	\$57,388	\$51,054	\$51,513	\$51,973	\$52,432	\$52,892	\$56,017	\$56,477	\$56,936	\$57,396	\$57,855	\$58,315	\$660,249
Total Revenue Requirements		\$145.055	\$139,793	\$141,322	\$142,847	\$144,368	\$145,885	\$150,065	\$151,575	\$153,082	\$154,584	\$156,083	\$157,578	\$1,782,238
•	-				,, - //	, ,	T			+ A.D., D.D.L.	420 7,204	4200,003	ATA1701D	

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2019 through June 30, 2020

Attachment E (REVISED) Schedule 8 (CHPK) Page 8 of 10

<u>Hem</u> <u>Salance July August September October November December January February March April</u>		
<u>Balance</u> July <u>August September October November January February March April</u>	May June	Total
Qualified Investment		
Qualified Investment - Mains - Current Year \$161,448 \$161,448 \$161,448 \$161,448 \$161,448 \$161,448 \$161,448 \$161,448 \$161,448 \$161,448 \$161,448	\$161,448 \$161,448	\$1,937,377
Qualified Investment - Services - Current Year \$5,169 \$5,169 \$5,169 \$5,169 \$5,169 \$5,169 \$5,169 \$5,169 \$5,169	\$5,169 \$5,169	\$62,027
Total Qualified Investment - Mains \$13,561,639 \$13,723,087 \$13,884,535 \$14,045,983 \$14,207,431 \$14,368,879 \$14,530,328 \$14,691,776 \$14,853,224 \$15,014,672 \$15,176,120 \$1	\$15,337,568 \$15,499,016	\$15,499,016
Total Qualified Investment - Services \$434,189 \$439,358 \$444,527 \$49,696 \$454,865 \$460,034 \$465,203 \$470,371 \$475,540 \$480,709 \$485,878	\$491,047 \$496,216	\$496,216
Total Qualified Investment \$13,995,828 \$14,162,445 \$14,329,062 \$14,495,679 \$14,662,296 \$14,828,913 \$14,995,530 \$15,162,147 \$15,328,764 \$15,495,381 \$15,661,998 \$	\$15,828,615 \$15,995,232	\$15,995,232
Less: Accumulated Depreciation (\$1,640,376) [\$1,679,432) (\$1,718,948) (\$1,758,924) [\$1,799,359) (\$1,840,253) (\$1,881,607) [\$1,923,421) (\$1,965,694) (\$2,008,426) (\$2,051,618) (\$1,923,421)	(\$2,095,270) (\$2,139,381)	(\$2,139,381)
Net Book Value 512,955,452 \$12,483,013 \$12,610,114 \$12,736,755 \$12,862,937 \$12,988,660 \$13,113,923 \$13,238,726 \$13,363,070 \$13,486,955 \$13,610,380 \$1	\$13,733,345 \$13,855,851	\$13,855,851
Average Net Qualified Investment \$12,419,233 \$12,546,563 \$12,673,434 \$12,799,846 \$12,925,798 \$13,051,291 \$13,176,324 \$13,300,898 \$13,425,012 \$13,548,667 \$	\$13,671,862 \$13,794,598	
A Common recognition		
Depreciation Rates		
Depreciation nates	3.30% 3.30%	
Approved Depreciation Rate-Services 3.60% 3.60% 3.60% 3.60% 3.60% 3.60% 3.60% 3.60% 3.60% 3.60% 3.60% 3.60%	3.60% 3.60%	
Approved bepreciation nater-parates	2.22.72	
Return on Average Net Qualified Investment		
Equity - Cost of Capital, inclusive of Income Tax Gross-up 7.5410% 7.5410% 7.5410% 7.5410% 7.5410% 7.5410% 7.5410% 7.5410% 7.5410% 7.5410%	7.5410% 7.5410%	
Debt - Cost of Capital 2.1500%	2.1500% 2.1500%	
Debt Cost of Capital		
Equity Component - inclusive of Income Tax Gross-up \$78,045 \$78,845 \$79,642 \$80,436 \$81,228 \$82,016 \$82,802 \$83,585 \$84,365 \$85,142	\$85,916 \$86,688	\$988,710
Deht Component \$22,751 \$22,479 \$22,707 \$22,933 \$23,159 \$23,384 \$23,608 \$23,831 \$24,053 \$24,275	\$24,495 \$24,715	\$281,889
Setur Requirement \$100.296 \$101,324 \$102,349 \$103,369 \$104,387 \$105,400 \$106,410 \$107,416 \$108,418 \$109,417	\$110,412 \$111,403	\$1,270,599
return requirement		
Investment Expenses		
mvesurient expenses  Depreciation Expense - Mains  \$37,738 \$38,182 \$38,626 \$39,070 \$39,514 \$39,958 \$40,402 \$40,846 \$41,290 \$41,734	\$42,178 \$42,622	\$482,165
Depreciation Expense Services \$ 1,318 \$1,334 \$1,349 \$1.365 \$1,380 \$1,396 \$1.411 \$1.427 \$1,442 \$1.458	\$1,473 \$1,489	\$16,840
Property Taxes \$19,301 \$19,301 \$19,301 \$19,301 \$19,301 \$19,301 \$19,301 \$21,857 \$21,857 \$21,857	\$21,857 \$21,857	\$246,948
Troperty (axes 55,794 50 50 50 50 50 50 50 50 50 50 50 50 50	\$0 \$0	\$6,794
Listomer Moute Expense 5417 5417 5417 5417 5417 5417 5417 5417	\$417 \$417	\$5,000
delieral ruolic notice Expense	\$65,925 \$66,385	\$757,747
Total Expense \$65,568 \$59,234 \$59,693 \$60,153 \$60,612 \$61,072 \$64,087 \$64,047 \$65,006 \$65,466	7-5,545	V. V. J. V.
Total Revolue Requirements \$165,864 \$160,558 \$162,042 \$163,522 \$164,999 \$166,472 \$170,497 \$171,962 \$173,424 \$174,882	\$176,337 \$177,787	\$2,028,346
Total Revenue Requirements \$165,864 \$160,558 \$162,042 \$163,522 \$164,999 \$166,472 \$170,497 \$171,962 \$173,424 \$174,882	\$110,001 \$111,101	72,020,340

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2020 through June 30, 2021

Attachment E (REVISED) Schedule B (CHPK) Page 9 of 10

		Beginning													Year End
<u>ltem</u>		<u>Balance</u>	<u>July</u>	August	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	January	<u>February</u>	March	<u>April</u>	<u>May</u>	lune	<u>Total</u>
Qualified Inve	stment														
	Qualified Investment - Mains - Current Year		\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$1 <b>51,448</b>	\$1,937,377
	Qualified Investment - Services - Current Year		\$5,169	\$5,169	\$5,169	\$5,169	\$5,16 <del>9</del>	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$62,027
	Total Qualified Investment - Mains	\$15,499,016	\$15,660,464	\$15,821,912	\$15,983,360	\$16,144,808	\$16,306,256	\$16,467,705	\$16,629,153	\$16,790,601	\$16,952,049	\$17,113,497	\$17,274,945	\$17,436,393	\$17,436,393
	Total Qualified Investment - Services	\$496,216	\$501,385	\$506,554	\$511,723	\$516,892	\$522,061	\$527,230	\$532,398	\$537,567	\$542,736	\$547,905	\$553,074	\$558,243	\$558,243
	Total Qualified Investment	\$15,995,232	\$16,161,849	\$16,328,466	\$16,495,083	\$16,661,700	\$16,828,317	\$16,9 <del>9</del> 4,934	\$17,161,551	517,328,168	\$17,494,785	\$17,661,402	\$17,828,019	\$17,994,636	\$17,994,636
	Less: Accumulated Depreciation	(\$2,139,381)	(\$2,183,951)	(\$2,228,981)	(\$2,274,470)	(\$2,320,419)	(\$2,366,828)	(\$2,413,696)	(\$2,461,023)	(\$2,508,810)	(\$2,557,056)	(\$2,605,762)	(\$2,654,927)	(\$2,704,552)	(\$2,704,552)
	Net Book Value	\$13,855,851	\$13,977,898	\$14,099,485	\$14,220,613	\$14,341,281	\$14,461,489	\$14,581,238	\$14,700,528	\$14,819,358	\$14,937,729	\$15,055,640	\$15,173,092	\$15,290,084	\$15,290,084
	Average Net Qualified Investment		\$13,916,875	\$14,038,691	\$14,160,049	\$14,280,947	\$14,401,385	\$14,521,364	\$14,640,883	\$14,759,943	\$14,878,544	\$14,996,684	\$15,114,366	\$15,231,588	
Depreciation f	lates														
	Approved Depreciation Rate-Mains		3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	
	Approved Depreciation Rate-Services		3.60%	3.50%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	
Return on Ave	rage Net Qualified Investment														
	Equity - Cost of Capital, inclusive of Income Tax Gross-up		7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7,5410%	7.5410%	
	Debt - Cost of Capital		2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	
	Equity Component - inclusive of Income Tax Gross-up		\$87,456	\$88,221	\$88,984	\$89,744	\$90,501	\$91,255	\$92,006	\$92,754	\$93,499	\$94,242	\$94,981	\$95,718	\$1,099,360
	Debt Component		\$24,934	\$25,153	\$25,370	\$25,587	\$25,802	\$26,017	\$26,232	\$26,445	\$26,657	\$26,869	\$27,080	\$27,290	\$313,437
	Return Requirement		\$112,390	\$113,374	\$114,354	\$115,331	\$116,303	\$117,272	\$118,237	\$119,1 <del>99</del>	\$120,157	\$121,111	\$122,061	\$123,008	\$1,412,797
investment Ex	penses														
	Depreciation Expense - Mains		\$43,066	\$43,510	\$43,954	\$44,398	\$44,842	\$45,286	\$45,730	\$46,174	\$46,618	\$47,062	\$47,506	\$47,950	\$546,098
	Depreciation Expense - Services		\$1,504	\$1,520	\$1,535	\$1,551	\$1,566	\$1,582	\$1,597	\$1,613	\$1,628	\$1,644	\$1,659	\$1,675	\$19,073
	Property Taxes		\$21,857	\$21,857	\$21,857	\$21,857	\$21,857	\$21,857	\$24,302	\$24,302	\$24,302	\$24,302	\$24,302	\$24,302	\$276,954
	Customer Notice Expense		\$6,794	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,794
	General Public Notice Expense		\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$5,000
	Total Expense		\$73,638	\$67,304	\$67,763	\$68,223	\$68,682	\$69,142	\$72,046	\$72,506	\$72,965	\$73,424	\$73,884	\$74,343	\$853,919
Total Revenue	Requirements		\$186,028	\$180,678	\$182,117	\$183,553	\$184,985	\$186,414	\$190,283	\$191,704	\$193,122	\$194,535	\$195,945	\$197,351	\$2,266,716

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2021 through June 30, 2022

Attachment E (REVISED) Schedule B (CHPK) Page 10 of 10

<u>item</u>		Beginning Balance	July	August	Cantabakaa	Omeles									Year End
Qualified In-	vestment	<u>Deterrice</u>	2011	MUEUSE	September	October	November	December	jännary	February	March	<u>April</u>	<u>May</u>	<u>lune</u>	Total
	Qualified Investment - Mains - Current Year		\$161,448	\$161,448	\$161,448	\$161,448	\$161,448		4	_					
	Qualified Investment - Services - Current Year		\$5,169	\$5,169	\$5,169	\$5,169	\$161,448 \$3,169	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$1,937,377
			22,103	75,165	\$3,103	\$3,103	\$3,169	\$5,169	\$5,169	\$5,16 <del>9</del>	\$5,269	\$5,169	\$5,169	\$5,169	\$62,027
	Total Qualified Investment - Mains	\$17,436,393	\$17,597,841	\$17,759,289	\$17,920,737	\$18,082,185	\$18,243,633	\$18,405,082	******						
	Total Qualified Investment - Services	\$558,243	\$563,412	\$568,581	\$573,750	\$578,919	\$584,088	\$589,257	\$18,566,530	\$18,727,978	\$18,889,426	\$19,050,874	\$19,212,322	\$19,373,770	\$19,373,770
	Total Qualified Investment	\$17,994,636		\$18,327,870		\$18,661,104	\$18,827,721	\$18,994,338	\$594,425 \$19,160,955	\$599,594	\$604,763	\$609,932	\$615,101	\$620,270	\$620,270
					<i>3-4,447</i>	910,001,104	310,627,721	210,334,338	319,160,955	\$19,327,572	\$19,494,189	\$19,660,806	\$19,827,423	519,994,040	\$19,994,040
	Less: Accumulated Depreciation	(\$2,704,552)	(\$2,754,636)	(\$2,805,180)	(\$2,856,183)	(\$2,907,646)	(\$2,959,569)	(\$3,011,950)	(Ca oca ana)		.44 .5				
	Net Book Value	\$15,290,084		\$15,522,690		\$15,753,458	<del></del>	\$15,982,388	(\$3,064,791) \$16,096,164	(\$3,118,092) \$16,209,480	(\$3,171,852)	(\$3,226,072)	(\$3,280,751)	(\$3,335,890)	(\$3,335,890)
			1-11-1-1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	V15,040,504	323,733,436	110,000,102	717,702,300	\$16,096,164	\$16,209,480	\$16,322,337	\$16,434,734	\$16,546,672	\$16,658,150	\$16,658,150
	Average Net Qualified Investment	•	\$15,348,350	\$15.464.652	\$15,580,497	\$15 COC 001	\$15,810,805	£45 apr 270	A	4		2.0			
		-	100	323,104,033	\$25,550,457	222,033,861	313,810,805	\$13,925,270	\$16,039,275	\$16,152,822	\$16,265,908	\$16,378,535	\$16,490,703	\$16,602,411	
Depreciation	n Rates														
	Approved Depreciation Rate-Mains		3.30%	3,30%	3.30%	3.30%	3.30%	3.30%							
	Approved Depreciation Rate-Services		3.60%	3.60%	3.60%	3.50%	3.60%	3.50%	3.30% 3.60%	3.30% 3.60%	3.30%	3.30%	3.30%	3.30%	
			4.00%	0.000	3.00%	3.00%	3.00%	3.50%	3.60%	3.60%	3.60%	3,60%	3.60%	3.60%	
Return on A	verage Net Qualified Investment														
	Equity - Cost of Capital, inclusive of Income Tax Gross-up		7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7.5410%	7 5 44004		
	Debt - Cost of Capital		2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%	2.1500%		7.5410%	7.5410%	
						250070	2.2300/9	2.4.887	2.1300%	2.1300%	2.1300%	2.1500%	2.1500%	2.1500%	
	Equity Component - inclusive of Income Tax Gross-up		\$96,452	\$97,182	\$97,910	\$98,636	\$99,358	\$100,077	\$100,793	\$101,507	\$102,218	\$102,925	ć****	4.04.333	4
	Debt Component		\$27,499	\$27,708	\$27.915	\$28,122	\$28,328	\$28,533	\$28,737	\$28,940	\$29,143	\$29,345	\$103,630 \$29,546	\$104,332	\$1,205,021
	Return Requirement		\$123,951	\$124,890	\$125,825	\$126,757	\$127,685	\$128,610	\$129,531	\$130,447	\$131,361	\$132,270	\$133,176	\$29,746 \$134,078	\$343,561
		•		·				V 22.0/0.20	V123,551	Ç130,147	3131,301	3132,270	3133,176	\$134,078	\$1,548,582
investment E															
	Depreciation Expense - Mains		\$48,394	\$48,838	\$49,282	\$49,726	\$50,170	\$50,614	\$51,058	\$51,502	\$51,946	\$52,390	\$52,834	553,278	4
	Depreciation Expense - Services		\$1,690	\$1,706	\$1,721	\$1,737	\$1,752	\$1,768	\$1,783	\$1,799	\$1,814	\$1,830	\$1,845	\$53,278 \$1,861	\$610,032
	Property Taxes		\$24,302	\$24,302	\$24,302	\$24,302	\$24,302	\$24,302	\$26,637	\$26.637	\$26,637	\$26,637	\$26,637		\$21,306
	Customer Notice Expense		\$6,794	\$0	SO	\$0	\$0	\$0	\$0	\$20,037	\$20,637	\$26,637 \$0	\$26,637	\$26,637 \$0	\$305,634
	General Public Notice Expense		\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$6,794
	Total Expense	_	\$81,597	\$75,262	\$75,722	\$76,181	\$76,641	\$77,100	579,895	\$80,354	\$80,814	\$81,273	\$81,733	\$82,192	\$5,000 \$948,766
		-	<u> </u>				· · · ·		****	*,			Qualitar.	****	\$540,700
Total Revenu	ie Reguirements	-	\$205,548	\$200,152	\$201,547	\$202,939	\$204.326	\$205,710	\$209.425	\$210.802	\$212.175	\$213.544	\$214,909	\$216,271	\$2,497,348

Gas Reliability Infrastructure Program (GRIP)

Two Year Projection of Qualified Mains & Services Revenue Requirements Surcharge Computation July 1, 2012 through June 30, 2014

Per Therm/Bill Rate

Two Year Qualified Mains & Services Replacement Revenue Requirements

97% \$571,212 Mains Services \$17,666 \$588,878 Net

TRUE-UP from Prior Period

Annual Qualified Mains & Services Replacement Revenue Requirements

Mains 97% \$285,606 Services \$8,833 Net \$294,439 Attachment E (REVISED) Schedule C (CHPK) Page 1 of 5

RATE CLASS	2010 BILLS	2010 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ	MAINS REV REQ	GRIP REV REQ	DOLLARS PER THERM		GRIP FACTORS PER THERM	\$ PER BILL	EXPANSION FACTOR		ANNUAL COST PER BILL	TYPICAL ANNUAL THERMS	ANNUAL COST
FTS-A	29,700	273,768	14.34%	0.951%	\$ 1,267	\$ 2,716	\$3,983	\$0.01455	1.00503	\$ 0.01462	\$ 0.13	1.00503	\$ 0.13	\$ 1.62	110	\$1.61
FTS-B	28,200	504,786	9.74%	1.142%	\$ 860	\$ 3,262	\$4,122	\$0.00817	1,00503	\$ 0.00821	\$ 0.15	1.00503	\$ 0.15	\$ 1.76	215	\$1.76
FTS-1	91,332	2,113,163	33,48%	5.861%	\$ 2,957	\$ 16,739	\$19,696	\$0.00932	1.00503	\$ 0.00937	\$ 0.22	1.00503	\$ 0.22	\$ 2.60	275	\$2.58
FTS-2	10,524	767,913	12.69%	1.611%	\$ 1,121	\$ 4,601	\$5,722	\$0.00745	1.00503	\$ 0.00749	\$ 0.54	1.00503	\$ 0.55	\$ 6.56	875	\$6.55
FTS-2.1	7,212	942,573	7.83%	3.193%	\$ 692	\$ 9,119	\$9,811	\$0.01041	1.00503	\$ 0.01046	\$ 1.36	1.00503	\$ 1.37	\$ 16.41	1,575	\$16.48
FTS-3	2,388	793,413	3.93%	1.567%	\$ 347	\$ 4,475	\$4,822	\$0.00608	1.00503	\$ 0,00611	\$ 2.02	1.00503	\$ 2.03	\$ 24.35	4,000	\$24.43
FTS-3.1	2,928	1,814,977	3.91%	4.294%	\$ 345	\$ 12,264	\$12,609	\$0.00695	1.00503	\$ 0.00698	\$ 4.31	1.00503	\$ 4.33	\$ 51.94	7,300	\$50.97
FTS-4		2,471,241	4.37%	6.162%	\$ 386	\$ 17,599	\$17,985	\$0.00728	1.00503	\$ 0.00731					12,500	\$91.43
FTS-5		810,118	1.24%	2.570%	\$ 110	\$ 7,340	\$7,450	\$0.00920	1.00503	\$ 0.00924					37,500	\$346.59
FTS-6		1,568,616	1.25%	2.750%	\$ 110	\$ 7,854	\$7,964	\$0.00508	1.00503	\$ 0.00510					75,000	\$382.70
FTS-7		3,511,513	2.20%	7.615%	\$ 194	\$ 21,749	\$21,943	\$0.00625	1.00503	\$ 0.00628					150,000	\$942.05
FTS-8		3,076,666	1.62%	10.708%	\$ 143	\$ 30,583	\$30,726	\$0.00999	1.00503	\$ 0.01004					300,000	\$3,011.11
FTS-9		5,385,517	1.48%	15.171%	\$ 131	\$ 43,329	\$43,460	\$0.00807	1.00503	\$ 0.00811					550,000	\$4,460.71
FTS-10		1,778,121	0.45%	6.539%	\$ 40	\$ 18,676	\$18,716	\$0.01053	1.00503	\$ 0.01058					850,000	\$8,991.86
FTS-11		5,395,430	0.61%	13.551%	\$ 54	\$ 38,702	\$38,756	\$0.00718	1.00503	\$ 0.00722					1,750,000	\$12,633.68
FTS-12		6,222,590	0.47%	16.315%	\$ 42	\$ 46,597	\$46,639	\$0,00750	1.00503	\$ 0.00753					3,000,000	\$22,598.43
FTS-13		14,506,587	0.39%	0.000%	\$ 34	\$ -	\$34	\$0.00000	1.00503	\$ 0.00000					14,506,587	\$0.00
TOTAL	172,284	51,936,992	100.00%	100.000%	\$ 8,833	\$ 285,606	\$ 294,438									

\$588,878

\$0

\$294,439

Gas Reliability Infrastructure Program (GRIP)

Two Year Projection of Qualified Mains & Services Revenue Requirements
Surcharge Computation July 1, 2014 through June 30, 2016
Per Therm/Bill Rate

Therity on Nasc

Two Year Qualified Mains & Services Replacement Revenue Requirements

Mains 97% \$1,666,418

97% \$1,666,418 3% \$51,539

 Services
 3%
 \$51,539

 Net
 \$1,717,957

2. TRUE-UP from Prior Period

\$0

Attachment E (REVISED)

Schedule C (CHPK) Page 2 of 5

8. Annual Qualified Mains & Services Replacement Revenue Requirements

\$858,978

\$1,717,956

 Mains
 97%
 \$833,209

 Services
 3%
 \$25,769

 Net
 \$858,978

RATE CLASS	2010 BILLS	2010 THERMS	SERVICES	MAINS COS %	SERVICES REV REQ	MAINS REV REQ	GRIP REV REQ	DOLLARS PER THERM	EXPANSION FACTOR	GRIP FACTORS PER THERM	\$ PER BILL	EXPANSION FACTOR		ANNUAL COST PER BILL	TYPICAL ANNUAL THERMS	ANNUAL COST
CLASS	DILLO	ITIERINIS	COS %	COS 76	KEV KEQ	KEVIKEQ	KEVKEU	ILICIAN	PACION	FER IFICKNI	DILL	FACTOR	FER DICC	FER DILL	THERMS	0031
FTS-A	29,700	273,768	14.34%	0.951%	\$ 3,695	\$ 7,924	\$11,619	\$0.04244	1.00503	\$ 0.04265	\$ 0.39	1.00503	\$ 0.39	\$ 4.72	110	\$4.69
FTS-B	28,200	504,786	9.74%	1.142%	\$ 2,510	\$ 9,515	\$12,025	\$0.02382	1.00503	\$ 0.02394	\$ 0.43	1.00503	\$ 0.43	\$ 5.14	215	\$5.15
FTS-1	91,332	2,113,163	33.48%	5.861%	\$ 8,627	\$ 48,834	\$57,461	\$0.02719	1.00503	\$ 0.02733	\$ 0.63	1.00503	\$ 0.63	\$ 7.59	275	\$7.52
FTS-2	10,524	767,913	12.69%	1.611%	\$ 3,270	\$ 13,423	\$16,693	\$0.02174	1.00503	\$ 0.02185	\$ 1.59	1.00503	\$ 1.59	\$ 19.13	875	\$19.12
FTS-2.1	7,212	942,573	7.83%	3.193%	\$ 2,018	\$ 26,604	\$28,622	\$0.03037	1.00503	\$ 0.03052	\$ 3.97	1.00503	\$ 3.99	\$ 47.86	1,575	\$48.07
FTS-3	2,388	793,413	3.93%	1.567%	\$ 1,013	\$ 13,056	\$14,069	\$0.01773	1.00503	\$ 0.01782	\$ 5.89	1.00503	\$ 5.92	\$ 71.05	4,000	\$71.29
FTS-3.1	2,928	1,814,977	3.91%	4.294%	\$ 1,008	\$ 35,778	\$36,786	\$0.02027	1.00503	\$ 0.02037	\$ 12.56	1.00503	\$ 12.63	\$ 151.52	7,300	\$148.70
FTS-4		2,471,241	4.37%	6.162%	\$ 1,126	\$ 51,342	\$52,468	\$0.02123	1.00503	\$ 0.02134					12,500	\$266.73
FTS-5		810,118	1.24%	2.570%	\$ 320	\$ 21,413	\$21,733	\$0.02683	1.00503	\$ 0.02696					37,500	\$1,011.07
FTS-6		1,568,616	1.25%	2.750%	\$ 322	\$ 22,913	\$23,235	\$0.01481	1.00503	\$ 0.01489					75,000	\$1,116.52
FTS-7		3,511,513	2.20%	7.615%	\$ 567	\$ 63,449	\$64,016	\$0.01823	1.00503	\$ 0.01832					150,000	\$2,748.30
FTS-8		3,076,666	1.62%	10.708%	\$ 417	\$ 89,220	\$89,637	\$0.02913	1.00503	\$ 0.02928					300,000	\$8,784.30
FTS-9		5,385,517	1.48%	15.171%	\$ 381	\$ 126,406	\$126,787	\$0.02354	1.00503	\$ 0.02366					550,000	\$13,013.35
FTS-10		1,778,121	0.45%	6.539%	\$ 116	\$ 54,484	\$54,600	\$0.03071	1.00503	\$ 0.03086					850,000	\$26,231.87
FTS-11		5,395,430	0.61%	13.551%	\$ 157	\$ 112,908	\$113,065	\$0.02096	1.00503	\$ 0.02106					1,750,000	\$36,856.93
FTS-12		6,222,590	0.47%	16.315%	\$ 121	\$ 135,938	\$136,059	\$0.02187	1.00503	\$ 0.02198					3,000,000	\$65,925.95
FTS-13		14,506,587	0.39%	0.000%	\$ 100	\$ -	\$100	\$0.00001	1.00503	\$ 0.00001					14,506,587	\$100.50
TOTAL	172,284	51.936.992	100.00%	100.000%	\$ 25,769	\$ 833,209	\$ 858,975									

Gas Reliability Infrastructure Program (GRIP)

Two Year Projection of Qualified Mains & Services Revenue Requirements Surcharge Computation July 1, 2016 through June 30, 2018 Per Therm/Bill Rate

Two Year Qualified Mains & Services Replacement Revenue Requirements

Mains

97% \$2,711,349

Services Net

\$83,856 \$2,795,205

TRUE-UP from Prior Period

\$0

\$2,795,205

\$1,397,603

Attachment E (REVISED)

Schedule C (CHPK)

Page 3 of 5

Annual Qualified Mains & Services Replacement Revenue Requirements

Mains Services 97% \$1,355,675 3% \$41,928

Net

\$1,397,603

RATE CLASS	2010 BILLS	2010 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ		MAINS EV REQ	GRIP REV REQ	DOLLARS PER THERM	EXPANSION FACTOR		ORS	\$ PER BILL	EXPANSION FACTOR		RS	ANNUAL COST PER BILL	TYPICAL ANNUAL THERMS	ANNUAL COST
FTS-A	29,700	273,768	14.34%	0.951%	6,012	\$	12,892	\$18,904	\$0.06905	1.00503	\$ 0.06	6940	\$ 0.64	1.00503	\$ O.	64	\$ 7.68	110	\$7.63
FTS-B	28,200	504,786	9.74%	1.142%	4,084	\$	15,482	\$19,566	\$0.03876	1.00503	\$ 0.03	3896	\$ 0.69	1.00503	\$ 0.	70	\$ 8.37	215	\$8.38
FTS-1	91,332	2,113,163	33.48%	5.861%	14,037	\$	79,456	\$93,493	\$0.04424	1.00503	\$ 0.04	4447	\$ 1.02	1.00503	\$ 1.	03	\$ 12.35	275	\$12.23
FTS-2	10,524	767,913	12.69%	1.611%	5,321	\$	21,840	\$27,161	\$0.03537	1.00503	\$ 0.03	3555	\$ 2.58	1.00503	\$ 2.	59	\$ 31.13	875	\$31.10
FTS-2.1	7,212	942,573	7.83%	3.193%	3,283	\$	43,287	\$46,570	\$0.04941	1.00503	\$ 0.04	4966	\$ 6.46	1.00503	\$ 6.	49	\$ 77.88	1,575	\$78.21
FTS-3	2,388	793,413	3.93%	1.567%	1,648	\$	21,243	\$22,891	\$0.02885	1.00503	\$ 0.02	2900	\$ 9.59	1.00503	\$ 9.	63	\$ 115.61	4,000	\$115. <del>99</del>
FTS-3.1	2,928	1,814,977	3.91%	4.294%	1,639	\$	58,213	\$59,852	\$0.03298	1.00503	\$ 0.00	3314	\$ 20.44	1.00503	\$ 20.	54	\$ 246.53	7,300	\$241.94
FTS-4		2,471,241	4.37%	6.162%	\$ 1,832	\$	83,537	\$85,369	\$0.03454	1.00503	\$ 0.00	3472						12,500	\$433.98
FTS-5		810,118	1.24%	2.570%	\$ 520	\$	34,841	\$35,361	\$0.04365	1.00503	\$ 0.04	4387						37,500	\$1,645.08
FTS-6		1,568,616	1.25%	2.750%	\$ 524	\$	37,281	\$37,805	\$0.02410	1.00503	\$ 0.02	2422						75,000	\$1,816.66
FTS-7		3,511,513	2.20%	7.615%	922	\$	103,235	\$104,157	\$0.02966	1.00503	\$ 0.02	2981						150,000	\$4,471.62
FTS-8		3,076,666	1.62%	10.708%	\$ 679	\$	145,166	\$145,845	\$0.04740	1.00503	\$ 0.04	4764						300,000	\$14,292.61
FTS-9		5,385,517	1.48%	15.171%	\$ 621	\$	205,669	\$206,290	\$0.03830	1.00503	\$ 0.03	3850						550,000	\$21,173.49
FTS-10		1,778,121	0.45%	6.539%	\$ 189	\$	88,648	\$88,837	\$0.04996	1.00503	\$ 0.0	5021						850,000	\$42,680.60
FTS-11		5,395,430	0.61%	13.551%	\$ 256	\$	183,708	\$183,964	\$0.03410	1.00503	\$ 0.00	3427						1,750,000	\$59,968.59
FTS-12		6,222,590	0.47%	16.315%	\$ 197	\$	221,178	\$221,375	\$0.03558	1.00503	\$ 0.00	3575						3,000,000	\$107,264.91
FTS-13		14,506,587	0.39%	0.000%	\$ 164	\$	-	\$164	\$0.00001	1.00503	\$ 0.0	0001						14,506,587	\$164.82
TOTAL	172,284	51,936,992	100.00%	100.000%	\$ 41,928	\$ :	1,355,675	\$ 1,397,604											

Gas Reliability Infrastructure Program (GRIP)

Two Year Projection of Qualified Mains & Services Revenue Requirements
Surcharge Computation July 1, 2018 through June 30, 2020
Per Therm/Bill Rate

Attachment E (REVISED) Schedule C (CHPK) Page 4 of 5

1. Two Year Qualified Mains & Services Replacement Revenue Requirements

Mains

97% \$3,696,267

Services Net \$114,318 \$3,810,585

2. TRUE-UP from Prior Period

\$0

Annual Qualified Mains & Services Replacement Revenue Requirements

\$1,905,292

\$3,810,585

Mains

97% \$1,848,133

Services Net 3% \$57,159 \$1,905,292

RATE CLASS	2010 BILLS	2010 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ	MA REV	INS REQ	GRIP REV REQ	DOLLARS PER THERM	EXPANSION FACTOR	GRIP FACTORS PER THERM	\$ PER BILL	EXPANSION FACTOR		ANNUAL COST PER BILL	TYPICAL ANNUAL THERMS	ANNUAL COST
FTS-A	29,700	273,768	14.34%	0.951%	\$ 8,197	\$ 1	7,576	\$25,773	\$0.09414	1.00503	\$ 0.09462	\$ 0.87	1.00503	\$ 0.87	\$ 10.47	110	\$10.41
FTS-B	28,200	504,786	9.74%	1.142%	\$ 5,567	\$ 2	1,106	\$26,673	\$0.05284	1.00503	\$ 0.05311	\$ 0.95	1.00503	\$ 0.95	\$ 11.41	215	\$11.42
FTS-1	91,332	2,113,163	33.48%	5.861%	\$ 19,137	\$ 10	8,319	\$127,456	\$0.06032	1.00503	\$ 0.06062	\$ 1.40	1.00503	\$ 1.40	\$ 16.83	275	\$16.67
FTS-2	10,524	767,913	12.69%	1.611%	\$ 7,253	\$ 2	9,773	\$37,026	\$0.04822	1.00503	\$ 0.04846	\$ 3.52	1.00503	\$ 3.54	\$ 42.43	875	\$42.40
FTS-2.1	7,212	942,573	7.83%	3.193%	\$ 4,476	\$ 5	9,011	\$63,487	\$0.06735	1.00503	\$ 0.06769	\$ 8.80	1.00503	\$ 8.85	\$ 106.17	1,575	\$106.62
FTS-3	2,388	793,413	3.93%	1.567%	\$ 2,246	\$ 2	8,960	\$31,206	\$0.03933	1.00503	\$ 0.03953	\$ 13.07	1.00503	\$ 13.13	\$ 157.60	4,000	\$158.12
FTS-3.1	2,928	1,814,977	3.91%	4.294%	\$ 2,235	\$ 7	9,359	\$81,594	\$0.04496	1.00503	\$ 0.04518	\$ 27.87	1.00503	\$ 28.01	\$ 336.08	7,300	\$329.83
FTS-4		2,471,241	4.37%	6.162%	\$ 2,498	\$ 11	3,882	\$116,380	\$0.04709	1.00503	\$ 0,04733					12,500	\$591.63
FTS-5		810,118	1.24%	2.570%	\$ 709	\$ 4	7,497	\$48,206	\$0.05950	1.00503	\$ 0.05980					37,500	\$2,242.66
FTS-6		1,568,616	1.25%	2.750%	\$ 714	\$ 5	0,824	\$51,538	\$0.03286	1.00503	\$ 0.03302					75,000	\$2,476.57
FTS-7		3,511,513	2.20%	7.615%	\$ <b>1</b> ,257	\$ 14	10,735	\$141,992	\$0.04044	1.00503	\$ 0.04064					150,000	\$6,095.93
FTS-8		3,076,666	1.62%	10.708%	\$ 926	\$ 19	7,898	\$198,824	\$0.06462	1.00503	\$ 0.06495					300,000	\$19,484.48
FTS-9		5,385,517	1.48%	15.171%	\$ 846	\$ 28	80,380	\$281,226	\$0.05222	1.00503	\$ 0.05248					550,000	\$28,864.88
FTS-10		1,778,121	0.45%	6.539%	\$ 257	\$ 12	20,849	\$121,106	\$0.06811	1.00503	\$ 0.06845					850,000	\$58,183.83
FTS-11		5,395,430	0.61%	13.551%	\$ 349	\$ 25	50,441	\$250,790	\$0.04648	1.00503	\$ 0.04672					1,750,000	\$81,752.53
FTS-12		6,222,590	0.47%	16.315%	\$ 269	\$ 30	1,523	\$301,792	\$0.04850	1.00503	\$ 0.04874					3,000,000	\$146,230.11
FTS-13		14,506,587	0.39%	0.000%	\$ 223	\$	-	\$223	\$0.00002	1.00503	\$ 0.00002					14,506,587	\$224.12
TOTAL	172,284	51,936,992	100.00%	100.000%	\$ 57,159	\$ 1,84	18,133	\$ 1,905,292									

Gas Reliability Infrastructure Program (GRIP)

Two Year Projection of Qualified Mains & Services Revenue Requirements Surcharge Computation July 1, 2020 through June 30, 2022

Per Therm/Bill Rate

Two Year Qualified Mains & Services Replacement Revenue Requirements

97% \$4,621,143

Services Net

3% \$142,922 \$4,764,065

TRUE-UP from Prior Period

\$0

\$4,764,065

\$2,382,032

Attachment E (REVISED)

Schedule C (CHPK)

Page 5 of 5

Annual Qualified Mains & Services Replacement Revenue Requirements

Mains

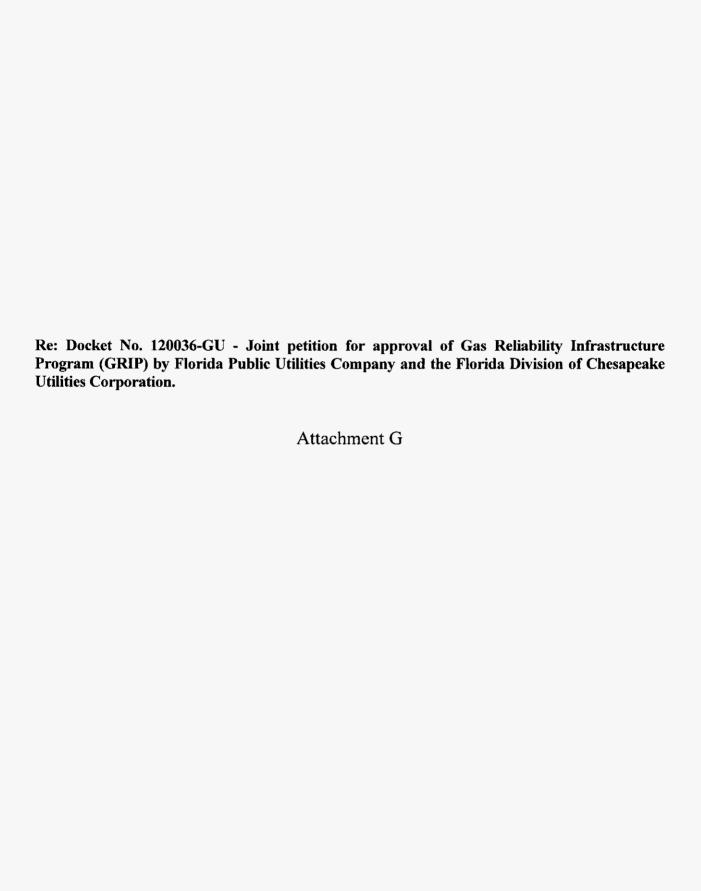
97% \$2,310

Services Net

\$2,382,032

3% \$71,461

RATE CLASS	2010 BILLS	2010 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ	MAINS REV REQ	GRIP REV REQ	DOLLARS PER THERM	EXPANSION	GRIP FACTORS PER THERM	\$ PER BILL	EXPANSION FACTOR		ANNUAL COST PER BILL	TYPICAL ANNUAL THERMS	ANNUAL COST
FTS-A	29,700	273,768	14.34%	0.951%	\$ 10,248	\$ 21,974	\$32,222	\$0.11770	1.00503	\$ 0.11829	\$ 1.08	1.00503	\$ 1.09	\$ 13.08	110	\$13.01
FTS-B	28,200	504,786	9.74%	1.142%	\$ 6,960	\$ 26,387	\$33,347	\$0.06606	1.00503	\$ 0.06639	\$ 1.18	1.00503	\$ 1.19	\$ 14.26	215	\$14.27
FTS-1	91,332	2,113,163	33.48%	5.861%	\$ 23,925	\$ 135,423	\$159,348	\$0.07541	1.00503	\$ 0.07579	\$ 1.74	1.00503	\$ 1.75	\$ 21.04	275	\$20.84
FTS-2	10,524	767,913	12.69%	1.611%	\$ 9,068	\$ 37,223	\$46,291	\$0.06028	1.00503	\$ 0.06058	\$ 4.40	1.00503	\$ 4.42	\$ 53.05	875	\$53.01
FTS-2.1	7,212	942,573	7.83%	3.193%	\$ 5,595	\$ 73,777	\$79,372	\$0.08421	1.00503	\$ 0.08463	\$ 11.01	1.00503	\$ 11.06	\$ 132.73	1,575	\$133.29
FTS-3	2,388	793,413	3.93%	1.567%	\$ 2,808	\$ 36,207	\$39,015	\$0.04917	1.00503	\$ 0.04942	\$ 16.34	1.00503	\$ 16.42	\$ 197.04	4,000	\$197.68
FTS-3.1	2,928	1,814,977	3.91%	4.294%	\$ 2,794	\$ 99,216	\$102,010	\$0.05620	1.00503	\$ 0.05649	\$ 34.84	1.00503	\$ 35.01	\$ 420.18	7,300	\$412.36
FTS-4		2,471,241	4.37%	6.162%	\$ 3,123	\$ 142,377	\$145,500	\$0.05888	1.00503	\$ 0.05917					12,500	\$739.67
FTS-5		810,118	1.24%	2.570%	\$ 886	\$ 59,382	\$60,268	\$0.07439	1.00503	\$ 0.07477					37,500	\$2,803.81
FTS-6		1,568,616	1.25%	2.750%	\$ 893	\$ 63,541	\$64,434	\$0.04108	1.00503	\$ 0.04128					75,000	\$3,096.27
FTS-7		3,511,513	2.20%	7.615%	\$ 1,572	\$ 175,950	\$177,522	\$0.05055	1.00503	\$ 0.05081					150,000	\$7,621.28
FTS-8		3,076,666	1.62%	10.708%	\$ 1,158	\$ 247,416	\$248,574	\$0.08079	1.00503	\$ 0.08120					300,000	\$24,359.91
FTS-9		5,385,517	1.48%	15.171%	\$ 1,058	\$ 350,537	\$351,595	\$0.06529	1.00503	\$ 0.06561					550,000	\$36,087.52
FTS-10		1,778,121	0.45%	6.539%	\$ 322	\$ 151,088	\$151,410	\$0.08515	1.00503	\$ 0.08558					850,000	\$72,743.00
FTS-11		5,395,430	0.61%	13.551%	\$ 436	\$ 313,105	\$313,541	\$0.05811	1.00503	\$ 0.05840					1,750,000	\$102,208.11
FTS-12		6,222,590	0.47%	16.315%	\$ 336	\$ 376,970	\$377,306	\$0.06063	1.00503	\$ 0.06094					3,000,000	\$182,819.62
FTS-13		14,506,587	0.39%	0.000%	\$ 279	\$ -	\$279	\$0.00002	1.00503	\$ 0.00002					14,506,587	\$280.40
TOTAL	172,284	51,936,992	100.00%	100.000%	\$ 71,461	\$ 2,310,571	\$ 2,382,034									



Gas Reliability Infrastructure Program (GRIP)
Investment and Annual Recovery information

## Attachment G Schedule A (FPUC)

investment and Annual Recovery morniation		m				
Item	0/	Plant	O. continu		Donl	mia č
iteili	<u>%</u>	<u>Amount</u>	Quantity		<u>Per U</u>	uit 2
Bare Steel (Qualified) Remaining Replacement Investment, approved in Docket No. 080366-GU						
Mains	\$	27,939,030	219.2	Miles	\$	127,459
Services	7	9,447,335	11,602	Each	\$	814
Total Bare Steel replacement Investment 1/1/2009	Ś	37,386,365	- 11,002	Lacii	~	014
Total date steel replacement investment 1/1/2003	<u></u>	37,300,303	=			
Estimated Qualified Remaining Replacement Investment as of 6/30/2012						
Mains	80% \$	25,236,882	198	Miles	\$	127,459
Services	20% \$	6,495,720	7,980	Each	\$	814
Remaining Qualified Replacement Investment as of 06/30/2012	\$	31,732,602	•			
Annual Qualified Replacement Investment, beginning 7/1/2012	7/1	/2012-6/30/2014	10	Years	7/1/20	14-6/30/2022
Mains	\$	4,290,270			\$	2,082,043
Services	\$	1,104,272			\$	535,897
Total Annual Qualified Replacement Investment	\$	5,394,542	-		\$	2,617,940
	=	<u></u>	=			<del></del>
		Net				
		Amount				
Annual Amortization, 50 year period, approved in Docket No. 080366-GU, beginning 1/1/2009	_					
Mains	\$	558,780				
Services	•	188,947				
Total Annual Amortization	\$	747,727	-			
		,	=			
Accumulated Amortization as of 06/30/2012, 50 year amortization program						
Mains	\$	1,955,730				
Services		661,315				
Accumulated Amortization as of 06/30/2012	\$	2,617,045	-			
			•			
Earnings Surveillance Report - December 31, 2011						
Equity Cost Rate		10.85%				
Weighted Equity Cost Rate		5.37%				
Revenue Expansion Factor		1.6197				
Weighted Equity Cost Rate, times Revenue Expansion Factor		8.698%				
			_			
Weighted Debt Cost Rate		2.30%				
Overall Weighted Cost Rate	_	7.67%	=			

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2012 through June 30, 2013

<u>ltern</u>	
Qualified Inves	stment
	Qualified Investment - Mains - Current Year
	Qualified Investment - Services - Current Year
	Total Qualified Investment - Mains
	Total Qualified investment - Services
	Total Qualified Investment
	Less: Accumulated Depreciation
	Net Book Value
	Average Net Qualified Investment
Depreciation #	lates
	Approved Depreciation Rate-Mains
	Approved Depreciation Rate-Services
Return on Ave	rage Net Qualified Investment
	Equity - Cost of Capital, inclusive of Income Tax Gross-up
	Debt - Cost of Capital
	Equity Component - inclusive of Income Tax Gross-up
	Debt Component
	Return Requirement
Investment Exp	penses
	Depreciation Expense - Mains
	Depreciation Expense - Services
	Property Taxes
	Customer Notice Expense
	General Public Notice Expense

Total Revenue Requirements

Total Expense

Annual Revenue Requirement for Bare Steel Replacement Investment Net Annual Revenue Requirements

Estimated

Net Bare Steel/ Qualified Investment Recovery to date

Net Bare Steel/Qualified Investment Made to date
Net Recovery less investment to be refunded/(collected) -True up

Attachment G Schedule B (FPUC) Page 1 of 10

Beginning <u>Balance</u>	July	August	September	October	November	<u>December</u>	January	<u>February</u>	<u>March</u>	<u>April</u>	May	lune	Year End <u>Total</u>
	\$357,523	\$357,523	\$357,523	\$357,523	\$357,523	\$357,523	\$357,523	\$357,523	\$357,523	\$357,523	\$357,523	\$357,523	\$4,290,270
	\$92,023	\$92,023	\$92,023	\$92,023	\$92,023	\$92,023	\$92,023	\$92,023	\$92,023	\$92,023	\$92,023	\$92,023	\$1,104,272
\$0	\$357,523	\$715,045	\$1,072,568	\$1,430,090	\$1,787,613	\$2,145,135	\$2,502,658	\$2,860,180	\$3,217,703	\$3,575,225	\$3,932,748	\$4,290,270	\$4,290,270
śo	\$92,023	\$184,045	\$276,068	\$368,091	\$460,113	\$552,136	\$644,159	\$736,181	\$828,204	\$920,227	\$1,012,249	\$1,104,272	\$1,104,272
\$0	\$449,545	\$899,090	\$1,348,636	\$1,798,181	\$2,247,726	\$2,697,271	\$3,146,816	\$3,596,361	\$4,045,907	\$4,495,452	\$4,944,997	\$5,394,542	\$5,394,542
						*****	.4			4455.0051	.444 P441	1470 101	4470 474
\$0	(\$1,006)	(\$3,017)	(\$6,033)	(\$10,056)	(\$15,084)	(\$21,117)	(\$28,156)	(\$36,200) \$3,560,161	(\$45,251) \$4,000,656	(\$55,306) \$4,440,145	(\$66,368) \$4,878,629	(\$78,434) \$5,316,108	(\$78,434) \$5,316,108
\$0	\$448,540	\$896,074	\$1,342,602	\$1,788,125	\$2,232,642	\$2,676,154	\$3,118,660	23,560,161	\$4,000,636	\$4,440,143	54,878,629	\$3,316,108	\$3,316,108
_	\$224,270	\$672,307	\$1,119,338	\$1,565,364	\$2,010,384	\$2,454,398	\$2,897,407	\$3,339,411	\$3,780,408	\$4,220,401	\$4,659,387	\$5,097,368	
			-										
	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	
	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3,40%	
	8.6980%	8,6980%	8.6980%	8,6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	
	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	
	\$1,626	\$4,873	\$8,113	\$11,346	\$14,572	\$17,790	\$21,001	\$24,205	\$27,402	\$30,591	\$33,773	\$36,947	\$232,240
	\$430	\$1,289	\$2,145	\$3,000	\$3,853	\$4,704	\$5,553	\$6,401	\$7,246	\$8,089	\$8,930	\$9,770	\$61,411
_	\$2,055	\$6,162	\$10,259	\$14,347	\$18,425	\$22,495	\$26,555	\$30,606	\$34,647	\$38,680	\$42,703	\$46,717	\$293,651
_		¥-,	*				, , , , , , , , , , , , , , , , , , , ,	,					
	\$745	\$1,490	\$2,235	\$2,979	\$3,724	\$4,469	\$5,214	\$5,959	\$6,704	\$7,448	\$8,193	\$8,938	\$58,097
	\$261	\$521	\$782	\$1,043	\$1,304	\$1,564	\$1,825	\$2,086	\$2,347	\$2,607	\$2,868	\$3,129	\$20,337
	\$0	\$0	\$0	\$0	\$0	\$0	\$4,460	\$4,460	\$4,460	\$4,460	\$4,460	\$4,460	\$26,760
	\$24,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	50	\$0	\$24,000
	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$9,996
	\$25,839	\$2,844	\$3,850	\$4,855	\$5,861	\$6,866	\$12,332	\$13,338	\$14,343	\$15,349	\$16,354	\$17,360	\$139,190
	\$27,894	\$9,006	\$14,108	\$19,202	\$24,286	\$29,361	\$38,887	\$43,943	\$48,991	\$54,029	\$59,058	\$64 <sub>,</sub> 077	\$432,841

\$747,727 (\$314,886)

As of 6/30/2012 True up \$ 2,617,045 \$ 2,617,045 \$

Gas Reliability Infrastructure Program (GRJP) Calculation of the Projected Revenue Requirements July 1, 2013 through June 30, 2014

Item Salance <u>July</u> August <u>September</u> <u>October</u> November December January February March April May Qualified Investment Qualified Investment - Mains - Current Year \$357,523 \$357,523 \$357,523 \$357,523 \$357,523 \$357,523 \$357,523 \$357,523 \$357,523 \$357,523 \$357,523 Qualified Investment - Services - Current Year \$92,023 \$92,023 \$92,023 \$92,023 \$92,023 \$92,023 \$92,023 \$92,023 \$92,023 \$92,023 \$92,023 Total Qualified Investment - Mains \$4,290,270 \$4,647,793 \$5,005,315 \$6,077,883 \$6,435,405 \$6,792,928 \$7,150,450 \$7,507,973 \$7,865,495 \$8,223,018 \$5,362,838 \$5,720,360 **Total Qualified Investment - Services** \$1,104,272 \$1,196,295 \$1,288,317 \$1,472,363 \$1,564,385 \$1,656,408 \$1,748,431 \$1,840,453 \$1,932,476 \$2,024,499 \$2,116,521 \$1,380,340 Total Qualified Investment \$5,394,542 \$5.844.087 \$6,293,632 \$6,743,178 \$7.192,723 \$7,642,268 \$8.091.813 \$8,541,358 \$8,990,903 \$9,440,449 \$9,889,994 \$10,339,539 \$10,789,084 \$10,789,084 Less: Accumulated Depreciation (\$78,434) (\$91,507) (\$105,585) (\$120,668) (\$136,757) (\$153,852) (\$171,952) (\$191,058) (\$211,170) (\$232,287) (\$254,409) (\$277,537) Net Book Value \$5,316,108 \$5,752,580 \$6,188,048 \$6,622,509 \$7,055,965 \$7,488,416 \$7,919,861 \$8,350,300 \$8,779,734 \$9,208,162 \$9,635,585 \$10,062,002 \$10,487,413 \$10,487,413 Average Net Qualified Investment \$5,534,344 \$5,970,314 \$6,405,278 \$6,839,237 \$7,272,190 \$7,704,138 \$8,135,080 \$8,565,017 \$8,993,948 \$9,421,873 \$9,848,793 \$10,274,707 Depreciation Rates Approved Depreciation Rate-Mains 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% Approved Depreciation Rate-Services 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% 3.40% Return on Average Net Qualified Investment Equity - Cost of Capital, inclusive of Income Tax Gross-up 8 6980% 8.6980% 8 6980% 8.6980% 8 6980% 8.6980% 8 6980% 8 6980% 8 6980% 8 6980% 8 6980% Debt - Cost of Capital 2.3000% 2.3000% 2.3000% 2.3000% 2.3000% 2.3000% 2.3000% 2.3000% 2.3000% 2.3000% 2.3000% \$40,115 \$68,293 \$71,387 Equity Component - inclusive of Income Tax Gross-up \$43,275 546,428 \$49,573 \$52,711 \$55,842 \$58,966 \$62,082 \$65,191 Debt Component \$10,607 \$11,443 \$12,277 \$13,109 \$13,938 \$14,766 \$15,592 \$16,416 \$17,238 \$18,059 \$18,877 Return Requirement \$54,718 \$58,704 \$66,650 \$70,608 \$74,558 \$78,498 \$90,264 \$50,722 \$62,682 \$82,430 \$86,351 investment Expenses Depreciation Expense - Mains 59 683 \$10,428 \$11 123 \$11 917 \$12,662 \$13,407 \$14 152 \$14,897 \$15,642 \$16,386 \$17 131 Depreciation Expense - Services \$3,390 \$3,650 \$3,911 \$4,172 \$4,432 \$4,693 \$4,954 \$5,215 \$5,475 \$5,736 \$5,997 Property Taxes \$4,460 \$4,460 \$4,460 \$4,460 \$4,460 \$4,460 \$13,200 \$13,200 \$13,200 \$13,200 \$13,200 **Customer Notice Expense** \$24,000 SO 50 ŚĐ Śū ŚO ŚO ŚO Śn ŠO ŚO General Public Notice Expense \$833 \$833 \$833 \$833 \$833 \$833 \$833 \$833 \$833 \$833 \$833 Tatal Expense \$42,365 \$19,371 \$20,377 \$21,382 \$22,388 \$23,393 \$33,139 \$34,144 \$35,150 \$36,156 \$37,161 **Total Revenue Requirements** \$93,088 \$74,089 \$79,081 \$84,064 \$89,037 \$94,002 \$107,697 \$112,643 \$117,579 \$122,507 \$127,425 Annual Revenue Requirement for Bare Steel Replacement Investment Net Annual Revenue Requirements

**Beginning** 

Attachment G Schedule B (FPUC) Page 2 of 10

łunę

\$357,523

\$92,023

\$8,580,540

\$2,208,544

(\$301,671)

2.50%

3.40%

8 6980%

2.3000%

\$74,475

\$19,693

\$94,168

\$17.876

\$6,258

\$0

\$833

\$38,167

\$132,334

\$13,200

Year End

Total

\$4,290,270

\$1,104,272

\$8,580,540

\$2,208,544

(\$301,671)

\$688,337

\$182,016

\$870,353

\$165,354

\$57,882

\$105,960

\$24,000

\$9,996

\$363,192

\$1,233,546

\$747,727

\$485,819

Gas Reliability Infrastructure Program (GRIP) Calculation of the Projected Revenue Requirements July 1, 2014 through June 30, 2015

Item Qualified Investment

Qualified Investment - Mains - Current Year Qualified Investment - Services - Eurrent Year

Total Qualified Investment - Mains Total Qualified Investment - Services Total Qualified Investment

Less: Accumulated Depreciation Net Book Value

Average Net Qualified Investment

Depreciation Rates

Approved Depreciation Rate-Mains Approved Depreciation Rate-Services

Return on Average Net Qualified Investment

Equity - Cost of Capital, inclusive of Income Tax Gross-up Debt - Cost of Capital

Equity Component - inclusive of Income Tax Gross-up Debt Component Return Requirement

Investment Expenses

Depreciation Expense - Mains Depreciation Expense - Services Property Taxes Customer Notice Expense General Public Notice Expense Total Expense

**Total Revenue Requirements** 

Annual Revenue Requirement for Bare Steel Replacement Investment Net Annual Revenue Requirements

Attachment G Schedule B (FPUC) Page 3 of 10

Beginning <u>Balance</u>	<u>July</u>	August	September	<u>October</u>	<u>November</u>	<u>December</u>	January	February	March	April	<u>May</u>	<u>June</u>	Year End <u>Total</u>
	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$2,082,043
	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$535,897
\$8,580,540	\$8,754,044	\$8,927,547	\$9,101,051	\$9,274,554	\$9,448,058	\$9,621,562	\$9,795,065	\$9,968,569	\$10,142,072	\$10,315,576	\$10,489,079	\$10,662,583	\$10,662,583
\$2,208,544	\$2,253,202	\$2,297,860	\$2,342,518	\$2,387,176	\$2,431,834	\$2,476,493	\$2,521,151	\$2,565,809	\$2,610,467	\$2,655,125	\$2,699,783	\$2,744,441	\$2,744,441
\$10,789,084	\$11,007,246	\$11,225,407	\$11,443,569	\$11,661,731	\$11,879,892	\$12,098,054	\$12,316,216	\$12,534,377	\$12,752,539	\$12,970,701	\$13,188,862	\$13,407,024	\$13,407,024
(\$301,671)	(\$326,292)	(\$351,402)	(\$377,000)	(\$403,085)	(\$429,659)	(\$456,721)	(6404.070)		44544.00				
\$10,487,413	\$10,680,953	\$10,874,005	\$11,066,569	\$11,258,645	\$11,450,233	\$11,641,333	(\$484,270) \$11,831,945	(\$512,308) \$12,022,069	(\$540,834) \$12,211,705	(\$569,847) \$12,400,853	(\$599,349)	(\$629,339)	(\$629,339)
	V = 1/1 = 1/1 = 1/1 = 1	<b>V14/01 1/00</b> 5	41-G000,003	\$11,230,043	J11,430,233	712,041,333	311,631,343	312,022,069	\$12,211,703	\$12,400,833	\$12,589,513	\$12,777,685	\$12,777,685
-	\$10,584,183	\$10,777,479	\$10,970,287	\$11,162,607	\$11,354,439	\$11,545,783	\$11,736,639	\$11,927,007	\$12,116,887	512.306.279	\$12,495,183	\$12,683,599	
-	, ,	4-4-1-1	444,310,207	V11,102,007	J11,554,455	J12,J43,763	311,730,033	211,327,007	312,110,067	312,300,279	312,493,183	\$12,683,599	
	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	
	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3,40%	3.40%	3.40%	3.40%	
											2.40.4	2,,,2,,0	
	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8,6980%	8.6980%	
	2.3000%	2.3000%	2.3000%	2,3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2,3000%	2.3000%	
								2.2000.0	2.555570	2.300076	2,5000/4	2.3000	
	\$76,718	\$78,119	\$79,516	\$80,910	\$82,301	\$83,688	\$85,071	\$86,451	\$87,827	\$89,200	\$90,569	\$91,935	\$1,012,305
_	\$20,286	\$20,657	\$21,026	\$21,395	\$21,763	\$22,129	\$22,495	\$22,860	\$23,224	\$23,587	\$23,949	\$24,310	\$267,682
	\$97,004	\$98,776	\$100,543	\$102,305	\$104,063	\$105,817	\$107,566	\$109,311	\$111,051	\$112,787	\$114,518	\$116,245	\$1,279,987
			<u> </u>										
	\$18,238	\$18,599	\$18,961	\$19,322	\$19,683	\$20.045	\$20,406	\$20,768	\$21,129	\$21,491	\$21,852	\$22,214	\$242,708
	\$6,384	\$6,511	\$6,637	\$6,764	\$6,890	\$7,017	\$7,143	\$7,270	\$7,396	\$7,523	\$7,649	\$7,776	\$84,960
	\$13,200	\$13,200	\$13,200	\$13,200	\$13,200	\$13,200	\$19,402	\$19,402	\$19,402	\$19,402	\$19,402	\$19,402	\$195,612
	\$24,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	SO	\$0	50	\$0	\$24,000
_	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$9,996
_	\$62,655	\$39,143	\$39,631	\$40,119	\$40,607	\$41,095	\$47,785	\$48,273	\$48,761	\$49,249	\$49,737	\$50,225	\$557,276
	\$159,659	\$137,918	\$140,173	\$142,424	\$144,670	\$146,912	\$155,351	\$157,584	\$159,812	\$162,036	\$164,255	\$166,470	\$1,837,263
-						,	,,	y 201, 204	4,	V-112,030	V 104/233	3100,470	V1,037,203

\$747,727 \_\_\$1,089,536

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2015 through June 30, 2016

<u>ltem</u> Qualified Investment Qualified Investment - Mains - Current Year Qualified Investment - Services - Current Year Total Qualified Investment - Mains **Total Qualified Investment - Services** Total Qualified Investment Less: Accumulated Depreciation Net Book Value Average Net Qualified investment Depreciation Rates Approved Depreciation Rate-Mains Approved Depreciation Rate-Services Return on Average Net Qualified Investment Equity - Cost of Capital, inclusive of Income Tax Gross-up Debt - Cost of Capital Equity Component - inclusive of Income Tax Gross-up Debt Component Return Requirement Investment Expenses Depreciation Expense - Mains Depreciation Expense - Services Property Taxes **Customer Notice Expense** General Public Notice Expense Total Expense Total Revenue Requirements Annual Revenue Requirement for Bare Steel Replacement Investment Net Annual Revenue Requirements

Attachment G Schedule 8 (FPUC) Page 4 of 10

Beginning Balance	July	August	September	October	November	December	January	February	March	<u>April</u>	<u>May</u>	iune	Year End <u>Total</u>
	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$2,082,043
	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$535,897
\$10,662,583	\$10,836,087	\$11,009,590	\$11,183,094	\$11,356,597	\$11,530,101	\$11,703,605	\$11,877,108	\$12,050,612	\$12,224,115	\$12,397,619	\$12,571,122	\$12,744,626	\$12,744,626
\$2,744,441	\$2,789,099	\$2,833,757	\$2,878,415	\$2,923,073	\$2,967,731	\$3,012,390	\$3,057,048	\$3,101,706	\$3,146,364	\$3,191,022	\$3,235,680	\$3,280,338	\$3,280,338
\$13,407,024	\$13,625,186	\$13,843,347	\$14,061,509	\$14,279,671	\$14,497,832	\$14,715,994	\$14,934,156	\$15,152,317	\$15,370,479	\$15,588,641	\$15,806,802	\$16,024,964	\$16,024,964
(\$629,339)	(\$659,816)	(\$690,782)	(\$722,235)	(\$754,177)	(\$786,607)	(\$819,524)	(\$852,930)	(\$886,824)	(\$921,205)	(\$956,075)	(\$991,432)	(\$1,027,278)	(\$1,027,278)
\$12,777,685	\$12,965,369	\$13,152,565	\$13,339,274	\$13,525,494	\$13,711,226	\$13,896,470	\$14,081,226	\$14,265,494	\$14,449,274	\$14,632,566	\$14,815,370	\$14,997,686	\$14,997,686
-										<del> </del>			
=	\$12,871,527	\$13,058,967	\$13,245,920	\$13,432,384	\$13,618,360	\$13,803,848	\$13,988,848	\$14,173,360	\$14,357,384	\$14,540,920	\$14,723,968	\$14,906,528	
	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	
	3,40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	
	5,40%	5.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	
	8.5980%	8.6980%	8.6980%	8.6980%	8.5980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	
	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	
	\$93,297	\$94,656	\$96,011	\$97,362	\$98,710	\$100,055	\$101,396	\$102,733	\$104,067	\$105,397	\$106,724	\$108,047	\$1,208,457
_	\$24,670	\$25,030	\$25,388	\$25,745	\$26,102	\$26,457	\$26,812	\$27,166	\$27,518	\$27,870	\$28,221	\$28,571	\$319,551
	\$117,968	\$119,685	\$121,399	\$123,108	\$124,812	\$126,512	\$128,208	\$129,899	\$131,585	\$133,268	\$134,945	\$136,618	\$1,528,007
_													
							4						
	\$22,575	\$22,937	\$23,298	\$23,660	\$24,021	\$24,383	\$24,744	\$25,105	\$25,467	\$25,828	\$26,190	\$26,551	\$294,759
	\$7,902	\$8,029	\$8,156	\$8,282	\$8,409	\$8,535	\$8,662	\$8,788	\$8,915	\$9,041	\$9,168	\$9,294	\$103,180
	\$19,402	\$19,402	\$19,402	\$19,402	\$19,402	\$19,402	\$23,161	\$23,161	\$23,161	\$23,161	\$23,161	\$23,161	\$255,378
	\$24,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,000
-	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$9,996
4	\$74,713	\$51,201	\$51,689	\$52,177	\$52,665	\$53,153	\$57,400	\$57,888	\$58,376	\$58,864	\$59,352	\$59,840	\$687,313
	\$192,680	\$170,886	\$173,087	\$175,284	\$177,477	\$179,665	\$185,607	\$187,786	\$189,961	\$192,131	\$194,297	\$196,458	\$2,215,321

\$747,727 **\$1,467,594** 

Calculation of the Projected Revenue Requirements

Gas Reliability Infrastructure Program (GRIP) July 1, 2016 through June 30, 2017

<u>Item</u> Qualified Investment

Qualified investment - Mains - Current Year Qualified Investment - Services - Current Year

> Total Qualified investment - Mains Total Qualified investment - Services Total Qualified Investment

Less: Accumulated Depreciation Net Book Value

Average Net Qualified Investment

Depreciation Rates

Approved Depreciation Rate-Mains Approved Depreciation Rate-Services

Return on Average Net Qualified Investment

Equity - Cost of Capital, inclusive of Income Tax Gross-up Debt - Cost of Capital

Equity Component - inclusive of Income Tax Gross-up

Debt Component Return Requirement

Investment Expenses

Depreciation Expense - Mains Depreciation Expense - Services Property Taxes Customer Notice Expense General Public Notice Expense

Total Expense

Total Revenue Requirements

Annual Revenue Requirement for Bare Steel Replacement Investment Net Annual Revenue Requirements

Attachment G Schedule B (FPUC) Page 5 of 10

Beginning													Year End
<u>Balance</u>	<u>July</u>	August	<u>September</u>	<u>October</u>	November	<u>December</u>	January	February	March	<u>April</u>	<u>May</u>	<u>June</u>	Total
	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$2,082,043
	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$535,897
\$12,744,626	\$12,918,130	\$13,091,633	\$13,265,137	\$13,438,640	\$13,612,144	\$13,785,648	\$13,959,151	\$14,132,655	\$14,306,158	\$14,479,662	\$14,653,165	\$14,826,669	\$14,826,669
\$3,280,338	\$3,324,996	\$3,369,654	\$3,414,312	\$3,458,970	\$3,503,628	\$3,548,287	\$3,592,945	\$3,637,603	\$3,682,261	\$3,726,919	\$3,771,577	\$3,816,235	\$3,816,235
\$16,024,964	\$16,243,126	\$16,461,287	\$16,679,449	\$16,897,611	\$17,115,772	\$17,333,934	\$17,552,096	\$17,770,257	\$17,988,419	\$18,206,581	518,424,742	\$18,642,904	\$18,642,904
(\$1,027,27B)	(\$1,063,612)	(\$1,100,433)	(\$1,137,743)	(\$1,175,540)	(\$1,213,826)	(\$1,252,599)	(\$1,291,861)	(\$1,331,611)	(\$1,371,848)	(\$1,412,574)	(\$1,453,787)	(\$1,495,489)	(\$1,495,489)
\$14,997,686	\$15,179,514	\$15,360,854	\$15,541,706	\$15,722,070	\$15,901,946	\$16,081,335	\$16,260,235	\$16,438,647	\$16,616,571	\$16,794,007	\$16,970,955	\$17,147,415	\$17,147,415
-	\$15,088,600	\$15,270,184	\$15,451,280	\$15,631,888	Ć	*** *** ***	****		4-4-4-				
+	\$15,088,000	\$15,270,184	\$15,451,280	\$15,631,888	\$15,812,008	\$15,991,641	\$16,170,785	\$15,349,441	\$16,527,609	\$16,705,289	\$16,882,481	\$17,059,185	
	2.50%	2.50%	2,50%	2.50%	2,50%	2.50%	2.50%	2.50%	2.50%	2.50%	2,50%	2.50%	
	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3,40%	3.40%	3,40%	
	0.00000	E (0000)											
	8.6980% 2.3000%	8.6980% 2.3000%	8.6980% 2.3000%	8.6980% 2.3000%	8.6980%	8.6980% 2.3000%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	
	2.300076	2.3000 A	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	
	\$109,367	\$110,683	\$111,996	\$113,305	\$114,611	\$115,913	\$117,211	\$118,506	\$119,798	\$121,086	\$122,370	\$123,651	\$1,398,496
_	\$28,920	\$29,268	\$29,615	\$29,961	\$30,306	\$30,651	\$30,994	\$31,336	\$31,678	\$32,018	\$32,358	\$32,697	\$369,802
_	\$138,287	\$139,951	\$141,611	\$143,266	\$144,917	\$146,563	\$148,205	\$149,843	\$151,476	\$153,104	\$154,728	\$156,347	\$1,768,299
											_		
	\$26,913	\$27,274	\$27,636	\$27,997	\$28,359	\$28,720	\$29,082	\$29,443	\$29,804	\$30,166	\$30,527	\$30,889	\$346,810
	\$9,421	\$9,547	\$9,674	\$9,800	\$9,927	\$10,053	\$10,180	\$10,307	\$10,433	\$10,560	\$10,686	\$10,813	\$121,401
	\$23,161	\$23,161	\$23,161	\$23,161	\$23,161	\$23,161	\$26,802	\$26,802	\$26,802	\$26,802	\$26,802	\$26,802	\$299,778
	\$24,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,000
_	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$9,996
-	\$84,328	\$60,816	\$61,304	\$61,792	\$62,280	\$62,768	\$66,897	\$67,385	\$67,873	\$68,361	\$68,849	\$69,337	\$801,985
_	\$222,615	\$200,767	\$202,915	\$205,058	\$207,197	\$209,331	\$215,102	\$217,227	\$219,348	\$221,465	\$223,577	\$225,684	\$2,570,284
-	3722,613	320U,/6/	\$202,915	\$205,058	\$207,197	\$209,331	\$415,102	\$217,227	\$219,348	\$221,465	\$223,577	\$225,684	\$2,570,284

\$747,727 \$1,822,\$57

Gas Reliability Infrastructure Program (GRJP) Calculation of the Projected Revenue Requirements July 1, 2017 through June 30, 2018

<u>item</u> Qualified Investment

Qualified Investment - Mains - Current Year Qualified Investment - Services - Current Year

Total Qualified Investment - Mains Total Qualified Investment - Services Total Qualified Investment

Less: Accumulated Depreciation Net Book Value

Average Net Qualified Investment

Depreciation Rates

Approved Depreciation Rate-Mains Approved Depreciation Rate-Services

Return on Average Net Qualified Investment

Equity - Cost of Capital, inclusive of income Tax Gross-up

Debt - Cost of Capital

Equity Component - inclusive of Income Tax Gross-up

Debt Component Return Requirement

Investment Expenses

Depreciation Expense - Mains Depreciation Expense - Services

Property Taxes

Customer Notice Expense General Public Notice Expense

**Total Expense** 

Total Revenue Requirements

Annual Revenue Requirement for Bare Steel Replacement investment Net Annual Revenue Requirements

Attachment G Schedule B (FPUC) Page 6 of 10

Beginning													
<u>B</u> alance	<u>July</u>	August	<u>September</u>	October	November	<u>December</u>	<u>January</u>	February	March	<u>April</u>	May	June	Year End Total
**	\$173,504 \$44,658	\$173,504 \$44,658	\$173,504 \$44,658	\$173,504 \$44,658	\$173,504 \$44,658	\$173,504 \$44,658	\$173,504 \$44,658	\$173,504 \$44,658	\$173,504 \$44,658	\$173,504 \$44,658	\$173,504 \$44,658	\$173,504 \$44,658	\$2,082,043
\$14,826,669 \$3,816,235 \$18,642,904	\$15,000,173 \$3,860,893 \$18,861,066	\$15,173,676 \$3,905,551 \$19,079,227	\$15,347,180 \$3,950,209 \$19,297,389	\$15,520,683 \$3,994,867 \$15,515,551	\$15,694,187 \$4,039,525 \$19,733,712	\$15,867,691 \$4,084,184 \$19,951,874	\$16,041,194 \$4,128,842 \$20,170,036	\$16,214,698 \$4,173,500 \$20,388,197	\$16,388,201 \$4,218,158	\$16,561,705 \$4,262,816	\$16,735,208 \$4,307,474	\$16,908,712 \$4,3\$2,132	\$16,908,712 \$4,352,132
(\$1,495,489) \$17,147,415	(\$1,537,678) \$17,323,387	(\$1,580,356) \$17,498,871	(\$1,623,522) \$17,673,867	(\$1,667,175) \$17,848,376	(\$1,711,317) \$18,022,396	(\$1,755,946) \$18,195,928	(\$1,801,064) \$18,368,972	(\$1,846,669) \$18,541,528	\$20,606,359 (\$1,892,763) \$18,713,596	\$20,824,521 (\$1,939,344) \$18,885,176	\$21,042,682 (\$1,986,414) \$19,056,269	\$21,260,844 (\$2,033,971) \$19,226,873	\$21,260,844 (\$2,033,971) \$19,226,873
•	\$17,235,401	\$17,411,129	\$17,586,369	\$17,761,122	\$17,935,386	\$18,109,162	\$18,282,450	\$18,455,250	\$18,627,562	\$18,799,386	\$18,970,722	\$19,141,571	315,220,873
	2.50% 3.40%	2.50% 3.40%	2.50% 3.40%	2.50% 3.40%	2.50% 3.40%	2.50% 3.40%	2.50% 3.40%	2.50% 3.40%	2.50% 3.40%	2.50% 3.40%	2.50% 3.40%	2.50% 3.40%	
	8.6980% 2.3000%	8.6980% 2.3000%	8.6980% 2.3000%	8.6980% 2.3000%	8.6980% 2.3000%	8.6980% 2.3000%	8.6980% 2.3000%	8.6980% 2.3000%	8.6980% 2.3000%	8.6980% 2.3000%	8.6980% 2.3000%	8.6980% 2.3000%	
-	\$124,928 \$33,035 \$157,962	\$126,202 \$33,371 \$159,573	\$127,472 \$33,707 \$161,179	\$128,739 \$34,042 \$162,781	\$130,002 \$34,376 \$164,378	\$131,261 \$34,709 \$165,970	\$132,517 \$35,041 \$167,559	\$133,770 \$35,373 \$169,142	\$135,019 \$35,703 \$170,722	\$136,264 \$36,032 \$172,296	\$137,506 \$36,361	\$138,744 \$36,688	\$1,582,424 \$418,438
	\$31,250	424.642							3210,122	\$172,296	\$173,867	\$175,432	\$2,000,862
_	\$10,939 \$26,802 \$24,000 \$833	\$31,612 \$12,066 \$26,802 \$0 \$833	\$31,973 \$11,192 \$26,802 \$0 \$833	\$32,335 \$11,319 \$26,802 \$0 \$833	\$32,696 \$12,445 \$26,802 \$0 \$833	\$33,058 \$11,572 \$26,802 \$0 \$833	\$33,419 \$11,698 \$30,327 \$0	\$33,781 \$11,825 \$30,327 \$0	\$34,142 \$11,951 \$30,327 \$0	\$34,504 \$12,078 \$30,327 \$0	\$34,865 \$12,205 \$30,327 \$0	\$35,226 \$12,331 \$30,327 \$0	\$398,861 \$139,621 \$342,774 \$24,000
_	\$93,825	\$70,313	\$70,801	\$71,289	\$71,777	\$72,265	\$833 \$76,278	\$833 \$76,766	\$833 \$77,254	\$833 \$77,742	\$833 \$78,230	\$833 \$78,718	\$9,996
_	\$251,787	\$229,886	\$231,980	\$234,069	\$236,154	\$238,235	\$243,836	\$245,908	\$247,975	\$250,038	\$252,096	\$254,150	\$2,916,114

\$747,727 \$2,168,387

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2018 through June 30, 2019

Qualified Investment Qualified Investment - Mains - Current Year Qualified Investment - Services - Current Year Total Qualified Investment - Mains Total Qualified Investment - Services Total Qualified Investment Less: Accumulated Depreciation Net Book Value Average Net Qualified investment Depreciation Rates Approved Depreciation Rate-Mains Approved Depreciation Rate-Services Return on Average Net Qualified Investment Equity - Cost of Capital, inclusive of Income Tax Gross-up Debt - Cost of Capital Equity Component - inclusive of Income Tax Gross-up Debt Component Return Requirement Investment Expenses Depreciation Expense - Mains Depreciation Expense - Services Property Taxes Customer Notice Expense General Public Notice Expense Total Expense

Total Revenue Requirements

Annual Revenue Requirement for Bare Steel Replacement Investment Net Annual Revenue Requirements

Attachment G Schedule B (FPUC) Page 7 of 10

Beginning Balance	July	August	September	October	November	<u>December</u>	January	February	<u>March</u>	<u>April</u>	May	<u>June</u>	Year End <u>Total</u>
	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$2,082,043
	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$535,897
							A	4-4-4-	440 470 444	********	*** *** ***	čan een art	\$18,990,755
\$16,908,712 \$4,352,132	\$17,082,216 \$4,396,790	\$17,255,719 \$4,441,448	\$17,429,223 \$4,486,106	\$17,602,726 \$4,530,764	\$17,776,230 \$4,575,422	\$17,949,734 \$4,620,081	\$18,123,237 \$4,664,739	\$18,296,741 \$4,709,397	\$18,470,244 \$4,754,055	\$18,643,748 \$4,798,713	\$18,817,251 \$4,843,371	\$18,990,755 \$4,888,029	\$4,888,029
\$21,260,844	\$21,479,006	\$21,697,167	\$21,915,329	\$22,133,491	\$22,351,652	\$22,569,814	\$22,787,976	\$23,006,137	\$23,224,299	\$23,442,461	\$23,660,622	\$23,878,784	\$23,878,784
322,200,044	J22,47 J,000	V21,051,101	021,313,323	322,133,431	722,332,334	¥22,303,024	VII.,107,370	<b>\$23,000,20</b>	710,111,110	020,112,112	<b>V</b>		<del>*************************************</del>
(\$2,033,971)	(\$2,082,017)	(\$2,130,550)	(\$2,179,572)	(\$2,229,081)	(\$2,279,079)	(\$2,329,564)	(\$2,380,538)	(\$2,431,999)	(\$2,483,949)	(\$2,536,386)	(\$2,589,312)	(\$2,642,725)	(\$2,642,725)
\$19,226,873	\$19,396,989	\$19,566,617	\$19,735,757	\$19,904,409	\$20,072,573	\$20,240,250	\$20,407,438	\$20,574,138	\$20,740,350	\$20,906,074	\$21,071,310	\$21,236,059	\$21,236,059
	\$19,311,931	\$19,481,803	\$19,651,187	\$19,820,083	\$19,988,491	\$20,156,412	\$20,323,844	\$20,490,788	\$20,657,244	\$20,823,212	\$20,988,692	\$21,153,685	
_													
	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	
	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	
	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	
	2.3000%	2.3000%	2,3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	
	\$139,979	\$141,211	\$142,438	\$143,663	\$144,883	\$146,100	\$147,314	\$148,524	\$149,731	\$150,934	\$152,133	\$153,329	\$1,760,239
_	\$37,015	\$37,340	\$37,665	\$37,988	\$38,311	\$38,633	\$38,954	\$39,274	\$39,593	\$39,911	\$40,228	\$40,545	\$465,457
_	\$176,994	\$178,551	\$180,103	\$181,651	\$183,195	\$184,734	\$186,268	\$187,798	\$189,324	\$190,845	\$192,361	\$193,874	\$2,225,696
	\$35,588	\$35,949	\$36,311	\$36,672	\$37,034	\$37,395	\$37,757	\$38,118	\$38,480	\$38,841	\$39,203	\$39,564	\$450,912
	\$12,458	\$12,584	\$12,711	\$12,837	\$12,964	\$13,090	\$13,217	\$13,343	\$13,470	\$13,596	\$13,723	\$13,849	\$157,842
	\$30,327	\$30,327	\$30,327	\$30,327	\$30,327	\$30,327	\$33,734	\$33,734	\$33,734	\$33,734	\$33,734	\$33,734	\$384,366
	\$24,000	\$0	\$0	\$0	50	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,000
	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$9,996
_	\$103,206	\$79,694	\$80,182	\$80,670	\$81,158	\$81,646	\$85,541	\$86,029	\$86,516	\$87,004	\$87,492	\$87,980	\$1,027,116
-			,								•	•	
	\$280,199	\$258,244	\$260,285	\$262,321	\$264,352	\$266,379	\$271,809	\$273,827	\$275,840	\$277,849	\$279,854	\$281,854	\$3,252,812

\$747,727 \$2,505,085

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2019 through June 30, 2020

<u>item</u>

Qualified Investment

Qualified Investment - Mains - Current Year Qualified Investment - Services - Current Year

Total Qualified Investment - Mains Total Qualified Investment - Services Total Qualified Investment

Less: Accumulated Depreciation

Net Book Value

Average Net Qualified Investment

Depreciation Rates

Approved Depreciation Rate-Mains Approved Depreciation Rate-Services

Return on Average Net Qualified Investment

Equity - Cost of Capital, inclusive of Income Tax Gross-up

Debt - Cost of Capital

Equity Component - inclusive of Income Tax Gross-up

Debt Component Return Requirement

Investment Expenses

Depreciation Expense - Mains Depreciation Expense - Services

Property Taxes

Customer Notice Expense General Public Notice Expense

Total Expense

**Total Revenue Requirements** 

Annual Revenue Requirement for Bare Steel Replacement Investment Net Annual Revenue Requirements Attachment G Schedule 8 (FPUC) Page 8 of 10

Beginning													Year End
<u>Balance</u>	July	August	<u>September</u>	October	<u>November</u>	December	January	February	March	<u>April</u>	May	June	Total
	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$2,082,043
	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$535,897
						,	•,	********	V 1-1,030	344,030	\$44,03B	344,036	233,097
\$18,990,755	\$19,164,259	\$19,337,762	\$19,511,266	\$19,684,769	\$19,858,273	\$20,031,777	\$20,205,280	\$20,378,784	\$20,5\$2,287	\$20,725,791	\$20,899,294	\$21,072,798	\$21,072,798
\$4,888,029	\$4,932,687	\$4,977,345	\$5,022,003	\$5,066,661	\$5,111,319	\$5,155,978	\$5,200,636	\$5,245,294	\$5,289,952	\$5,334,610	\$5,379,268	\$5,423,926	\$5,423,926
\$23,878,784	\$24,096,946	\$24,315,107	\$24,533,269	\$24,751,431	\$24,969,592	\$25,187,754	\$25,405,916	\$25,624,077	\$25,842,239	\$26,060,401	\$26,278,562	\$26,496,724	\$26,496,724
			-			-							
(\$2,642,725)	(\$2,696,627)	(\$2,751,016)	(\$2,805,894)	(\$2,861,259)	(\$2,917,113)	(\$2,973,454)	(\$3,030,284)	(\$3,087,601)	(\$3,145,407)	(\$3,203,700)	(\$3,262,482)	(\$3,321,751)	(\$3,321,751)
\$21,236,059	\$21,400,319	\$21,564,091	\$21,727,375	\$21,890,171	\$22,052,480	\$22,214,300	\$22,375,632	\$22,536,476	\$22,696,832	\$22,856,701	\$23,016,081	\$23,174,973	\$23,174,973
-													
-	\$21,318,189	\$21,482,205	\$21,645,733	\$21,808,773	\$21,971,325	\$22,133,390	\$22,294,966	\$22,456,054	\$22,616,654	\$22,776,766	\$22,936,391	\$23,095,527	
				-						-			
	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	
4	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	
	8.6980%	6 (09na)	0.500004										
	2.3000%	8.6980% 2.3000%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	
	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	
	\$154,521	\$155,710	\$156,895	\$158,077	\$159,255	\$160,430	\$161,601	\$162,769	\$163,933	éses ons	****	4	4
	\$40,860	\$41,174	\$41,488	\$41,800	\$42,112	\$42,422	\$42,732	\$43,041	\$43,349	\$165,094 \$43,655	\$166,251	\$167,404	\$1,931,942
-	\$195,381	\$196,884	\$198,383	\$199,877	\$201,367	\$202,853	\$204,333	\$205,810	\$207,282	\$208,749	\$43,961	\$44,266	\$510,861
-			*,		1-02,000	7202,033	7204,233	7203,410	3207,282	3206,743	\$210,212	\$211,671	\$2,442,802
	\$39,926	\$40,287	\$40,648	\$41,010	\$41,371	\$41,733	\$42,094	\$42,456	\$42,817	\$43,179	\$43,540	\$43,902	\$502,963
	\$13,976	\$14,102	514,229	\$14,356	\$14,482	\$14,609	\$14,735	\$14,862	\$14,988	\$15,115	\$15,241	\$15,368	\$176,062
	\$33,734	\$33,734	\$33,734	\$33,734	\$33,734	\$33,734	\$37,024	\$37,024	\$37,024	\$37,024	\$37,024	\$15,368	\$424,548
	\$24,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6	\$37,024	\$24,000
_	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$9,996
	\$112,468	\$88,956	\$89,444	\$89,932	\$90,420	\$90,908	\$94,686	\$95,174	\$95,662	\$96,150	\$96,638	\$97,126	\$1,137,570
												41.,220	, -,, ,570
	\$307,850	\$285,841	\$287,828	\$289,810	\$291,788	\$293,761	\$299,020	\$300,984	\$302,944	\$304,900	\$306,850	\$308,797	\$3,580,372
													- 10.12

\$747,727 \$2,832,645

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2020 through June 30, 2021

Qualified Investment Qualified Investment - Mains - Current Year Qualified Investment - Services - Current Year Total Qualified Investment - Mains Total Qualified Investment - Services Total Qualified Investment Less: Accumulated Depreciation Net Book Value Average Net Qualified Investment Depreciation Rates Approved Depreciation Rate-Mains Approved Depreciation Rate-Services Return on Average Net Qualified Investment Equity - Cost of Capital, inclusive of Income Tax Gross-up Debt - Cost of Capital Equity Component - inclusive of Income Tax Gross-up Debt Component Return Requirement Investment Expenses Depreciation Expense - Mains Depreciation Expense - Services Property Taxes Customer Notice Expense

Total Revenue Requirements

Annual Revenue Requirement for Bare Steel Replacement Investment Net Annual Revenue Requirements

General Public Notice Expense Total Expense Attachment G Schedule B (FPUC) Page 9 of 10

Beginning Balance	ylut	August	September	October	November	<u>December</u>	January	February	March	April	Мау	June	Year End <u>Total</u>
	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$2,082,043
	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$535,897
4		******	4	434 755 843	C24 040 246	¢22 442 478	ćaa an <b>a</b> aaa	ćan 460 <b>0</b> 27	633 634 330	Ć33 607 834	633 B91 237	¢12.154.041	¢22.154.041
\$21,072,798	\$21,246,302	\$21,419,805	\$21,593,309	\$21,766,812	\$21,940,316	\$22,113,820	\$22,287,323 \$5,736,533	\$22,460,827 \$5,781,191	\$22,634,330 \$5,825,849	\$22,807,834 \$5,870,507	\$22,981,337 \$5,915,165	\$23,154,841 \$5,959,823	\$23,154,841 \$5,959,823
\$5,423,926 \$26,496,724	\$5,468,584 \$26,714,886	\$5,513,242 \$26,933,047	\$5,557,900 \$27,151,209	\$5,602,558 \$27,369,371	\$5,647,216 \$27,587,532	\$5,691,875 \$27,805,694	\$28,023,856	\$28,242,017	\$28,460,179	\$28,678,341	\$28,896,502	\$29,114,664	\$29,114,664
\$26,496,724	\$26,714,886	\$26,933,047	\$27,131,209	\$21,309,371	\$21,387,332	\$27,803,634	328,U23,830	328,242,017	320,400,173	320,076,342	326,630,302	323,114,004	323,114,864
(\$3,321,751)	(\$3,381,508)	(\$3,441,754)	(\$3,502,487)	(\$3,563,709)	(\$3,625,418)	(\$3,687,616)	(\$3,750,301)	(\$3,813,475)	(\$3,877,136)	(\$3,941,285)	(\$4,005,923)	(\$4,071,048)	(\$4,071,048)
\$23,174,973	\$23,333,377	\$23,491,293	\$23,648,722	\$23,805,662	\$23,962,114	\$24,118,078	\$24,273,555	\$24,428,543	\$24,583,043	\$24,737,055	\$24,890,580	\$25,043,616	\$25,043,616
V20/27 1/31 0	V,,	¥2.0,10.2,2.52	<b>4</b> 2.0,0 / 0,/ 02	***************************************	*	15./	7-7-7	, , ,					· · · · · · · · · · · · · · · · · · ·
-	\$23,254,175	\$23,412,335	\$23,570,008	\$23,727,192	523,883,888	\$24,040,096	\$24,195,816	\$24,351,049	\$24,505,793	\$24,660,049	\$24,813,817	\$24,967,098	
-	723,234,111	y23,412,333	923,510,000	J25,727,132	713,003,000	724,040,030	J24)#33,010	72 1,002,010	\$2,000,000		<b>V</b>		
	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	
	3.40%	3.40%	3,40%	3,40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	
	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8,6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	
	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	
	\$168,554	\$169,700	\$170,843	\$171,983	\$173,118	\$174,251	\$175,379	\$176,505	\$177,626	\$178,744	\$179,859	\$180,970	\$2,097,532
_	\$44,571	\$44,874	\$45,176	\$45,477	\$45,777	\$46,077	\$46,375	\$46,673	\$46,969	\$47,265	\$47,560	\$47,854	\$554,648
_	\$213,125	\$214,574	\$216,019	\$217,460	\$218,896	\$220,327	\$221,755	\$223,177	\$224,596	\$226,009	\$227,419	\$228,823	\$2,652,180
-													
	\$44,263	\$44,625	\$44,986	\$45,348	\$45,709	\$46,070	\$46,432	\$46,793	\$47,155	\$47,516	\$47,878	\$48,239	\$555,014
	\$15,494	\$15,621	\$15,747	\$15,874	\$16,000	\$16,127	\$16,254	\$16,380	\$16,507	\$16,633	\$16,760	\$16,886	\$194,283
	\$37,024	\$37,024	\$37,024	\$37,024	\$37,024	\$37,024	\$40,197	\$40,197	\$40,197	\$40,197	\$40,197	\$40,197	\$463,326
	\$24,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,000
_	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$833	\$9,996
	\$121,614	\$98,102	\$98,590	\$99,078	\$9 <del>9</del> ,566	\$100,054	\$103,715	\$104,203	\$104,691	\$105,179	\$105,667	\$106,155	\$1,246,619
_	\$334,739	\$312,676	\$314,610	\$316,\$38	\$318,462	\$320,382	\$325,470	\$327,381	\$329,287	\$331,189	\$333,086	\$334,979	\$3,898,799
-	\$334,739	\$312,676	\$314,610	\$316,\$38	\$318,462	\$320,382	\$325,470	\$327,381	\$329,287	\$331,189	\$333,086	\$334,979	\$3,898,799

\$747,727 \$3,151,072

Gas Reliability Infrastructure Program (GRIP)

Calculation of the Projected Revenue Requirements
July 1, 2021 through June 30, 2022

Attachment G Schedule B (FPUC) Page 10 of 10

*	Beginning													Year End
item Qualified Investment	<u>Balance</u>	<u>July</u>	August	September	October	November	December	January	February	March	April	May	June	Total
Qualified Investment - Mains - Current Year		\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173,504	\$173.504	\$2,082,043
Qualified Investment - Services - Current Year		\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$44,658	\$535,897
Total Qualified Investment - Mains	\$23,154,841	\$23,328,345	\$23,501,848	\$23,675,352	\$23,848,855	\$24,022,359	\$24,195,863	\$24,369,366	\$24,542,870	\$24,716,373	\$24,889,877	\$25,063,380	\$25,236,884	\$25,236,884
Total Qualified Investment - Services	\$5,959,823	\$6,004,481	\$6,049,139	\$6,093,797	\$6,138,455	\$6,183,113	\$6,227,771	\$6,272,430	\$6,317,088	\$6,361,746	\$6,406,404	\$6,451,062	\$6,495,720	\$6,495,720
Total Qualified Investment	\$29,114,664	\$29,332,826	\$29,550,987	\$29,769,149	\$29,987,311	\$30,205,472	\$30,423,634	\$30,641,796	\$30,859,957	\$31,078,119	\$31,296,281	\$31,514,442	\$31,732,604	\$31,732,604
Less: Accumulated Depreciation	(\$4,071,048)	(\$4.136.662)	(\$4,202,763)	(\$4,269,352)	(\$4,336,430)	(\$4,403,995)	(\$4,472,049)	(\$4,540,590)	(C 4 COO C10)	164 676 4B71	#4 714 A441			
Net Book Value	\$25,043,616	.,,,,,	\$25,348,224	\$25,499,797	\$25,650,881	\$25,801,477		\$26,101,206	\$26,250,338	\$4,679,137) \$26,398,982	(\$4,749,142) \$26,547,138	(\$4,819,636) \$26,694,807	(\$4,890,617) \$26,841,987	(\$4,890,617) \$26,841,987
Average Net Qualified Investment	•	\$25,119,890	\$25,272,194	\$25,424,010	\$25,575,339	\$25,726,179	\$25,876,531	\$26,026,395	\$26,175,772	\$26,324,660	\$26,473,060	\$26,620,973	\$26,768.397	
Depreciation Deter-	-		.,,,	020,121,020	020,010,000	V23,120,113	\$25,610,551	VE0,020,333	320,133,772	320,324,000	320,473,000	328,020,373	\$26,768,397	
Depreciation Rates Approved Depreciation Rate-Mains														
		2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	
Approved Depreciation Rate-Services		3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	3.40%	
Return on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of Income Tax Gross-up		8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	8.6980%	
Debt - Cost of Capital		2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	2,3000%	2.3000%	2.3000%	2.3000%	2.3000%	2.3000%	
Equity Component - inclusive of Income Tax Gross-up		\$182,077	\$183,181	\$184,282	\$185,379	\$186,472	\$187,562	\$188.648	\$189,731	\$190,810	5191,886	\$192,958	\$194,026	\$2,257,011
Debt Component		\$48,146	\$48,438	\$48,729	549,019	\$49,309	\$49,597	\$49,884	\$50,170	\$50,456	\$50,740	\$51,024	\$51,306	\$596,818
Return Requirement	-	\$230,224	\$231,620	\$233,011	\$234,398	\$235,780	\$237,158	\$238,532	\$239,901	\$241,266	\$242,626	\$243,981	\$245,332	\$2,853,829
Investment Expenses														
Depreciation Expense - Mains		\$48,601	\$48,962	\$49,324	\$49,685	\$50,047	\$50,408	\$50,770	\$51,131	\$51,492	\$51,854	\$52,215	\$52,577	\$607,065
Depreciation Expense - Services		\$17,013	\$17,139	\$17,266	\$17,392	\$17,519	\$17,645	\$17,772	\$17,898	\$18,025	\$18,151	\$18,278		
Property Taxes		\$40,197	\$40,197	\$40,197	\$40,197	\$40,197	\$40,197	\$43,253	\$43,253	\$43,253	\$43,253	\$43,253	\$18,405	\$212,503
Customer Notice Expense		\$24,000	\$0	\$0	\$0	\$0	\$0	\$43,233	\$43,233 \$0	,43,233 \$0	\$43,253 \$0		\$43,253	\$500,700
General Public Notice Expense		\$833	\$833	\$833	5833	\$833	\$833	\$833	\$833	\$833		\$0 \$833	\$0	\$24,000
Total Expense	-	\$130,643	\$107,131	\$107,619	\$108,107	\$108,595	\$109,083	\$112,627	\$113,115	\$113,603	\$833 \$114,091	\$114,579	\$833 \$115,067	\$9,996 \$1,354,265
Total Revenue Requirements	_	\$360,867	\$338,751	\$340,630	\$342,505	\$344,376	\$346,242	\$351,159	\$353,016	\$354,869	\$356,717	\$358,561	\$360,400	\$4,208,094
Annual Revenue Requirement for Bare Steel Replacement Investment Net Annual Revenue Requirements								- <del>-</del>						\$747,727
													-	\$3,460,367

# Gas Reliability Infrastructure Program (GRIP) Two Year Projection of Qualified Mains & Services Revenue Requirements Surcharge Calculation - July 1, 2012 through June 30, 2014 Per Therm Rate

Attachment G Schedule C (FPUC) Page 1 of 5

1. Two Year Qualified Mains & Services Replacement Revenue Requirements \$170,933 Mains 80% \$136,746 Services \$34,187 Net \$170,933 2. TRUE-UP from Prior Period \$0 3. Annual Qualified Mains & Services Replacement Revenue Requirements \$85,466 80% Mains \$68,373 Services \$17,093 Net \$85,466

RATE SCHEDULE	2010 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ	MAINS REV REQ	GRIP REV REQ	DOLLARS PER THERM	TAX FACTOR	GRIP FACTORS PER THERM	TYPICAL ANNUAL THERMS	ANNUAL COST	
RESIDENTIAL	13,598,390	58.00%	22.00%	\$9,914	\$15,042	\$24,956	\$0.00184	1.00503	\$0.00184	250	\$0.46	
COMMERCIAL SMALL (General Service & GS Transportation)	8,536,560	17.00%	23.00%	\$2,906	\$15,726	\$18,632	\$0.00218	1.00503	\$0.00219	2,500	\$5.48	
COMM. LRG VOLUME. (Large Vol & LV Transportation)	37,819,530	25.00%	46.00%	\$4,273	\$31,452	\$35,725	\$0.00094	1.00503	\$0.00095	25,000	\$23.73	
INTERRUPTIBLE SERVICE (Int Service & IS Transportation)	5,737,400	0.00%	8.00%	\$0	\$5,470	\$5,470	\$0.00095	1.00503	\$0.00096	50,000	\$47.91	
GENERAL LIGHTING SERVICE	396,090	0.00%	1.00%	\$0	\$684	\$684	\$0.00173	1.00503	\$0.00173	500	\$0.87	

TOTAL	66,087,970	100.00%	100.00%	\$17,093	\$68,373	\$85,466

Gas Reliability Infrastructure Program (GRIP)

Two Year Projection of Qualified Mains & Services Revenue Requirements
Surcharge Calculation - July 1, 2014 through June 30, 2016
Per Therm Rate

Attachment G Schedule C (FPUC) Page 2 of 5

1. Two Year Qualified Mains & Services Replacement Revenue Requirements \$2,557,130 Mains \$2,045,704 Services \$511,426 Net \$2,557,130 2. TRUE-UP from Prior Period \$0 3. Annual Qualified Mains & Services Replacement Revenue Requirements \$1,278,565 Mains \$1,022,852 Services 20% \$255,713

Net

RATE SCHEDULE	2010 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ	MAINS REV REQ	GRIP REV REQ	DOLLARS PER THERM	TAX FACTOR	GRIP FACTORS PER THERM	TYPICAL ANNUAL THERMS	ANNUAL COST
RESIDENTIAL	13,598,390	58.00%	22.00%	\$148,314	\$225,027	\$373,341	\$0.02745	1.00503	\$0.02759	250	\$6.90
COMMERCIAL SMALL (General Service & GS Transportation)	8,536,560	17.00%	23.00%	\$43,471	\$235,256	\$278,727	\$0.03265	1.00503	\$0.03282	2,500	\$82.04
COMM. LRG VOLUME (Large Vol & LV Transportation)	37,819,530	25.00%	46.00%	\$63,928	\$470,512	\$534,440	\$0.01413	1.00503	\$0.01420	25,000	\$355.06
INTERRUPTIBLE SERVICE (Int Service & IS Transportation)	5,737,400	0.00%	8.00%	\$0	\$81,828	\$81,828	\$0.01426	1.00503	\$0.01433	50,000	\$716.70
GENERAL LIGHTING SERVICE	396,090	0.00%	1.00%	\$0	\$10,229	\$10,229	\$0.02582	1.00503	\$0.02595	500	\$12.98

TOTAL	66,087,970	100,00%	100.00%	\$255,713	\$1,022,852 \$1,278,565

\$1,278,565

#### Gas Reliability Infrastructure Program (GRIP) Two Year Projection of Qualified Mains & Services Revenue Requirements

Surcharge Calculation - July 1, 2016 through June 30, 2018

Per Therm Rate

Attachment G Schedule C (FPUC) Page 3 of 5

1. Two Year Qualified Mains & Services Replacement Revenue Requirements \$3,990,944 Mains 80% \$3,192,755 Services \$798,189 Net \$3,990,944 2. TRUE-UP from Prior Period \$0 3. Annual Qualified Mains & Services Replacement Revenue Requirements \$1,995,472 Mains 80% \$1,596,378 Services 20% \$399,094 Net \$1,995,472

RATE SCHEDULE	2010 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ	MAINS REV REQ	GRIP REV REQ	DOLLARS PER THERM	TAX FACTOR	GRIP FACTORS PER THERM	TYPICAL ANNUAL THERMS	ANNUAL COST
RESIDENTIAL	13,598,390	58.00%	22.00%	\$231,475	\$351,203	\$582,678	\$0.04285	1.00503	\$0.04306	250	\$10.77
COMMERCIAL SMALL (General Service & GS Transportation)	8,536,560	17.00%	23.00%	\$67,846	\$367,167	\$435,013	\$0.05096	1.00503	\$0.05122	2,500	\$128.04
COMM. LRG VOLUME (Large Vol & LV Transportation)	37,819,530	25.00%	46.00%	\$99,774	\$734,334	\$834,107	\$0.02205	1.00503	\$0.02217	25,000	\$554.15
INTERRUPTIBLE SERVICE (Int Service & IS Transportation)	5,737,400	0.00% _	8.00%	\$0	\$127,710	\$127,710	\$0.02226	1.00503	\$0.02237	50,000	\$1,118.56
GENERAL LIGHTING SERVICE	396,090	0.00%	1.00%	\$0	\$15,964	\$15,964	\$0.04030	1.00503	\$0.04051	500	\$20.25

TOTAL	66,087,970	100.00%	100.00%	\$399,094	\$1,596,378 \$1,995,472

Gas Reliability Infrastructure Program (GRIP)

Two Year Projection of Qualified Mains & Services Revenue Requirements
Surcharge Calculation - July 1, 2018 through June 30, 2020
Per Therm Rate

Attachment G Schedule C (FPUC) Page 4 of 5

1. Two Year Qualified Mains & Services Replacement Revenue Requirements

\$5,337,730

Mains

80% \$4,270,184

Services Net 20% \$1,067,546 \$5,337,730

2. TRUE-UP from Prior Period

\$0

3. Annual Qualified Mains & Services Replacement Revenue Requirements

\$2,668,865

MIGHTS

\$2,135,092

Services

20% \$533,773

Net

\$2,668,865

RATE SCHEDULE	2010 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ	MAINS REV REQ	GRIP REV REQ	DOLLARS PER THERM	TAX FACTOR	GRIP FACTORS PER THERM	TYPICAL ANNUAL THERMS	ANNUAL COST
RESIDENTIAL	13,598,390	58.00%	22.00%	\$309,588	\$469,720	\$779,309	\$0.05731	1.00503	\$0.05760	250	\$14.40
COMMERCIAL SMALL (General Service & GS Transportation)	8,536,560	17.00%	23.00%	\$90,741	\$491,071	\$581,813	\$0.06816	1.00503	\$0.06850	2,500	\$171.25
COMM. LRG VOLUME (Large Vol & LV Transportation)	37,819,530	25.00%	46,00%	\$133,443	\$982,142	\$1,115,586	\$0.02950	1.00503	\$0.02965	25,000	\$741.15
INTERRUPTIBLE SERVICE (Int Service & IS Transportation)	5,737,400	0.00%	8.00%	\$0	\$170,807	\$170,807	\$0.02977	1.00503	\$0.02992	50,000	\$1,496.03
GENERAL LIGHTING SERVICE	396,090	0.00%	1.00%	\$0	\$21,351	\$21,351	\$0.05390	1.00503	\$0.05418	500	\$27.09

	_					
TOTAL		66,087,970	100.00%	100.00%	\$533,773	\$2,135,092 \$2,668,865

#### Gas Reliability Infrastructure Program (GRIP) Two Year Projection of Qualified Mains & Services Revenue Requirements Surcharge Calculation - July 1, 2020 through June 30, 2022 Per Therm Rate

Attachment G Schedule C (FPUC) Page 5 of 5

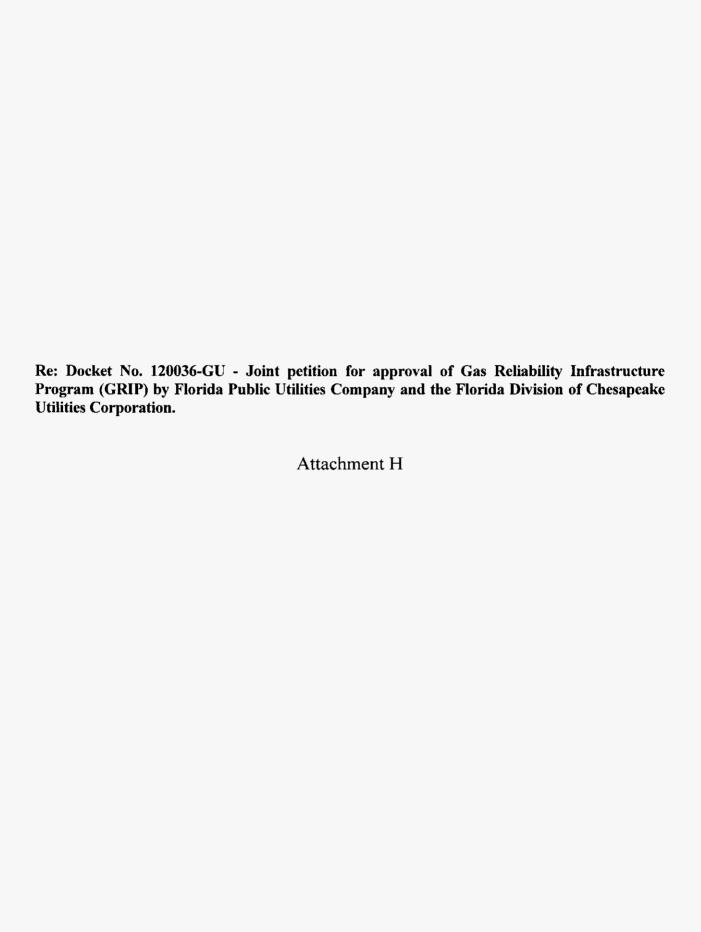
1. Two Year Qualified Mains & Services Replacement Revenue Requirements Mains 80% \$5,289,151 Services \$1,322,288 Net \$6,611,439 2. TRUE-UP from Prior Period \$0 3. Annual Qualified Mains & Services Replacement Revenue Requirements \$3,305,719

80% \$2,644,575 Services \$661,144 \$3,305,719 Net

			٠				DOLLARS		GRIP	TYPICAL		
RATE	2010	SERVICES	MAINS	SERVICES	MAINS	GRIP	PER	TAX	FACTORS	ANNUAL	ANNUAL	
SCHEDULE	THERMS	cos %	cos %	REV REQ	REV REQ	REV REQ	THERM	FACTOR	PER THERM	THERMS	COST	
RESIDENTIAL	13,598,390	58.00%	22.00%	\$383,464	\$581,807	\$965,270	\$0.07098	1.00503	\$0.07134	250	\$17.84	
COMMERCIAL SMALL (General Service & GS Transportation)	8,536,560	17.00%	23.00%	\$112,3 <del>9</del> 4	\$608,252	\$720,647	\$0.08442	1.00503	\$0.08484	2,500	\$212.11	
COMM. LRG VOLUME (Large Vol & LV Transportation)	37,819,530	25.00%	46.00%	\$165,286	\$1,216,505	\$1,381,791	\$0.03654	1.00503	\$0.03672	25,000	\$918.01	
INTERRUPTIBLE SERVICE (Int Service & IS Transportation)	5,737,400	0.00%	8.00%	\$0	\$211,566	\$211,566	\$0.03687	1.00503	\$0.03706	50,000	\$1,853.02	
GENERAL LIGHTING SERVICE	396,090	0.00%	1.00%	\$0	\$26,446	\$26,446	\$0.06677	1.00503	\$0.06710	500	\$33.55	

\$6,611,439

TOTAL	66,087,970	100.00%	100.00%	\$661,144	\$2,644,575 \$3,305,719



Gas Reliability Infrastructure Program (GRIP)
Investment and Annual Recovery information

## Attachment H Schedule A (CHPK)

		Plant			
item	<u>%</u>	<u>Amount</u>	Quantity		Per Unit \$
Estimated Qualified Remaining Replacement Investment as of 6/30/2012					
Mains	97% \$	19,373,768	152	Miles	\$ 127,459
Services	3% \$	620,268	762	Each	\$ 814
Remaining Qualified Replacement Investment as of 06/30/2012	\$	19,994,036	•		
Annual Qualified Replacement Investment, beginning 7/1/2012			10	Years	
Mains	\$	1,937,377			
Services	\$	62,027	•		
Total Annual Qualified Replacement Investment	<u>\$</u>	1,999,404	:		
Earnings Surveillance Report - December 31, 2011					
Equity Cost Rate		10.80%			
Weighted Equity Cost Rate		5.43%			
Revenue Expansion Factor		1.6114			
Weighted Equity Cost Rate, times Revenue Expansion Factor	_	8.750%	•		
Weighted Debt Cost Rate		2.00%			
Overall Weighted Cost Rate	_	7.43%			

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2012 through June 30, 2013

Attachment H Schedule B (CHPK) Page 1 of 10

		Beginning													Year End
<u>ltem</u>		<u>Balance</u>	<u>July</u>	August	September	October	November	December	January	Febtuary	March	<u>April</u>	May	June	Total
Qualified Inve	estment														
	Qualified Investment - Mains - Current Year		\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$1, <del>9</del> 37,377
	Qualified Investment - Services - Current Year		\$5,169	\$5,16 <del>9</del>	\$5,169	\$5,16 <del>9</del>	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,1 <del>69</del>	\$5,169	\$62,027
	Total Qualified Investment - Mains	\$0	\$161,448	\$322,896	\$484,344	\$645,792	\$807,240	\$968,689	\$1,130,137	\$1,291,585	\$1,453,033	\$1,614,481	\$1,775,929	\$1,937,377	\$1,937,377
	Total Qualified Investment - Services	\$0	\$5,1 <del>69</del>	\$10,338	\$15,507	\$20,676	\$25,845	\$31,014	\$36,182	\$41,351	\$46,520	\$51,689	\$56,858	\$62,027	\$62,027
	Total Qualified Investment	\$0	\$166,617	\$333,234	\$499,851	\$666,468	\$833,085	\$999,702	\$1,166,319	\$1,332,936	\$1,499,553	\$1,666,170	\$1,832,787	\$1,999,404	\$1,999,404
	Less: Accumulated Depreciation	\$0	(\$459)	(\$1,378)	(\$2,757)	(\$4,595)	(\$6,892)	(\$9,649)	(\$12,866)	(\$16,542)	(\$20,677)	(\$25,272)	(\$30,326)	(\$35,840)	(\$35,840)
	Net Book Value	\$0	\$166,158	\$331,856	\$497,094	\$661,873	\$826,193	\$990,053	\$1,153,453	\$1,316,394	\$1,478,876	\$1,640,898	\$1,802,461	\$1,963,564	\$1,963,564
	Average Net Qualified investment	_	\$83,079	\$249,007	\$414,475	\$579,484	\$744,033	\$908,123	\$1,071,753	\$1,234,924	\$1,397,635	\$1,559,887	\$1,721,679	\$1,883,012	
Depreciation	Rates														
	Approved Depreciation Rate-Mains		3,30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	
	Approved Depreciation Rate-Services		3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.50%	3.60%	3.60%	3.60%	3.60%	
Return on Av	erage Net Qualified Investment														
	Equity - Cost of Capital, inclusive of Income Tax Gross-up		8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8,7500%	8.7500%	8.7500%	8.7500%	
	Debt - Cost of Capital		2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	
	Equity Component - inclusive of Income Tax Gross-up		\$606	\$1,816	\$3,022	\$4,225	\$5,425	\$6,622	\$7,815	\$9,005	\$10,191	\$11,374	\$12,554	\$13,730	\$86,385
	Debt Component		\$138	\$415	\$691	\$966	\$1,240	\$1,514	\$1,786	\$2,058	\$2,329	\$2,600	\$2,869	\$3,138	\$19,745
	Return Requirement	_	\$744	\$2,231	\$3,713	\$5,191	\$6,665	\$8,135	\$9,601	\$11,063	\$12,520	\$13,974	\$15,423	\$16,869	\$106,130
Investment E	xpenses														
	Depreciation Expense - Mains		\$444	\$888	\$1,332	\$1,776	\$2,220	\$2,664	\$3,108	\$3,552	\$3,996	\$4,440	\$4,884	\$5,328	\$34,631
	Depreciation Expense - Services		\$16	\$31	\$47	\$62	\$78	\$93	\$109	\$124	\$140	\$155	\$171	\$186	\$1,210
	Property Taxes		\$0	\$0	\$0	\$0	\$0	\$0	\$1,650	\$1,650	\$1,650	\$1,650	\$1,650	\$1,650	\$9,900
	Customer Notice Expense		\$6,794	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,794
	General Public Notice Expense		\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$5,002
	Total Expense	_	\$7,670	\$1,336	\$1,795	\$2,255	\$2,714	\$3,174	\$5,283	\$5,743	\$6,202	\$6,662	\$7,121	\$7,581	\$57,536
Total Revenu	e Requirements	_	\$8,415	\$3,567	\$5,508	\$7,446	\$9,380	\$11,309	\$14,884	\$16,805	\$18,723	\$20,636	\$22,544	\$24,449	\$163,666

Florida Division of Chesapeake Utilities Corporation
Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2013 through June 30, 2014

Attachment H Schedule B (CHPK) Page 2 of 10

item Qualified Investment	Beginning <u>Bajance</u>	ylut	August	September	October	November	<u>December</u>	January	<u>February</u>	<u>March</u>	April	May	<u>June</u>	Year End <u>Total</u>
Qualified Investment - Mains - Current Year		****												
Qualified Investment - Services - Current Year		\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161, <b>448</b>	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$1,937,377
		\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$62,027
Total Qualified Investment - Mains	\$1,937,377	\$2,098,825	63.360.323											
Total Qualified Investment - Services	\$62,027	\$67,196	\$2,260,273 \$72,365	\$2,421,721	\$2,583,169	\$2,744,617	\$2,906,066	\$3,067,514	\$3,228,962	\$3,390,410	\$3,551,858	\$3,713,306	\$3,874,754	\$3,874,754
Total Qualified investment	\$1,999,404	\$2,166,021	\$2,332,638	\$77,534	\$82,703	\$87,872	\$93,041	\$98,209	\$103,378	\$108,547	\$113,716	\$118,885	\$124,054	\$124,054
	32,333,404	32,100,021	32,332,030	\$2,499,255	\$2,665,872	\$2,832,489	\$2,999,106	\$3,165,723	\$3,332,340	\$3,498,957	\$3,665,574	\$3,832,191	\$3,998,808	\$3,998,808
Less: Accumulated Depreciation	(\$35,840)	(\$41,813)	(\$48,246)	(FFF 420)	iten anal									
Net Book Value	\$1,963,564	\$2,124,208	\$2,284,392	(\$55,139) \$2,444,116	(\$62,491) \$2,603,381	(\$70,302)	(\$78,573)	(\$87,303)	(\$96,493)	(\$106,142)	(\$116,251)	(\$126,819)	(\$137,847)	(\$137,847)
	72,503,304	22,124,200	32,204,332	\$2,444,116	\$2,603,381	\$2,762,187	\$2,920,533	\$3,078,420	\$3,235,847	\$3,392,815	\$3,549,323	\$3,705,372	\$3,860,961	\$3,860,961
Average Net Qualified Investment		\$2,043,886	\$2,204,300	£3.754.354	42 522 740	40.000.000								
		32,043,000	32,204,300	\$2,364,254	\$2,523,749	\$2,682,784	\$2,841,360	\$2,999,477	\$3,157,134	\$3,314,331	\$3,471,069	\$3,627,348	\$3,783,167	
Depreciation Rates														
Approved Depreciation Rate-Mains		3.30%	3.30%	3.30%	3.30%	* ****								
Approved Depreciation Rate-Services		3.60%	3.50%	3.60%	3.50%	3.30% 3.60%	3.30% 3.60%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	
		3.00%	3.00%	3.00%	3.00%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	
Return on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of income Tax Gross-up		8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8,7500%	8.7500%	0.75004				
Debt - Cost of Capital		2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%		8.7500%	8.7500%	8.7500%	8.7500%	
				2.000070	2.000076	2.0000%	2.UUU.76	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	
Equity Component - inclusive of Income Tax Gross-up		\$14,903	\$16,073	\$17,239	\$18,402	\$19,562	\$20,718	\$21,871	\$23,021	\$24,167	f25 210	¢25.44=		4
Debt Component		\$3,406	\$3,674	\$3,940	\$4,206	\$4,471	\$4,736	\$4,999	\$5,262	\$5,524	\$25,310	\$25,449	\$27,586	\$255,302
Return Requirement	-	\$18,310	\$19,747	\$21,180	\$22,609	\$24,033	\$25,454	\$26,870	\$28,283	\$29,691	\$5,785 \$31.095	\$6,046 \$32,495	\$6,305 \$33.891	\$58,355
	•				1,	Q2.1,000	\$25,454	720,070	720,203	323,631	\$31,055	\$32,435	\$33,891	\$313,657
Investment Expenses														
Depreciation Expense - Mains		\$5,772	\$6,216	\$6,660	\$7,104	\$7,548	\$7,992	\$8,436	\$8,880	\$9,324	\$9,768	\$10,212	*****	******
Depreciation Expense - Services		5202	\$217	\$233	\$248	\$264	\$279	\$295	\$310	\$326	\$3,768	\$357	\$10,656	\$98,564
Property Taxes		\$1,650	\$1,650	\$1,650	\$1,650	\$1,650	\$1,650	\$4,868	\$4,868	\$4,868	\$4,868	\$4,868	\$372 \$4,868	\$3,442
Customer Notice Expense		\$6,794	SO	\$0	50	50	\$0	\$4,000	,-1,500 SO	\$4,000	\$4,666 \$0	34,608 St		\$39,108
General Public Notice Expense		\$417	\$417	\$417	\$417	\$417	5417	\$417	\$417	\$417	\$0 \$417	\$0 \$417	\$0 \$417	\$6,794
Total Expense	_	\$14,834	\$8,500	\$8,959	\$9,418	\$9,878	\$10,337	\$14,015	\$14,474	\$14.934	\$15,393	\$15,853	\$16,312	\$5,000
Tale	•						Ç_0,000	717,013	724,474	224,334	713,373	¥13,635	318,312	\$152,909
Total Revenue Requirements		\$33,144	\$28,246	\$30,139	\$32,027	\$33,911	\$35,791	\$40,885	\$42,757	\$44,625	\$46,488	\$48,348	\$50.203	CARE EEE
	_	7 <del> </del>			-,,-	7-7/722	420,101	y-10,000	7-2,131	V-4,020	240,480	246,348	\$30,203	\$466,565

Florida Division of Chesapeake Utilities Corporation
Gas Reliability Infrastructure Program (GRJP)
Calculation of the Projected Revenue Requirements
July 1, 2014 through June 30, 2015

Attachment H Schedule 8 (CHPK) Page 3 of 10

<u>item</u>		Beginning Balance	برايال	August	September	Ontabas									Year End
Qualified Inv		2	2017	AUEUSI	september	October	<u>November</u>	<u>December</u>	January	February	March	<u>April</u>	May	<u>June</u>	Total
	Qualified Investment - Mains - Current Year		\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448							
	Qualified Investment - Services - Current Year		\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$1,937,377
			<b>V</b> -7	V-3,103	53,105	22,169	22,193	22,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$62,027
	Total Qualified Investment - Mains	\$3,874,754	\$4,036,202	\$4,197,650	\$4,359,098	\$4,520,546	\$4,681,594	\$4,843,443	££ 88 1 80 -						
	Total Qualified Investment - Services	\$124,054	\$129,223	\$134,392	\$139,561	\$144,730	5149.899		\$5,004,891	\$5,166,339	\$5,327,787	\$5,489,235	\$5,650,683	\$5,812,131	\$5,812,131
	Total Qualified Investment	\$3,998,808	\$4,165,425	54,332,042	\$4,498,659	\$4,665,276	\$4,831,893	\$155,068 \$4,998,510	\$150,236	\$165,405	\$170,574	\$175,743	\$180,912	\$186,081	\$186,081
	·			1 1/2-2,0-1	04,454,055	\$4,005 <u>,</u> 276	34,631,633	24,336,310	\$5,165,127	\$5,331,744	\$5,498,361	\$5,664,978	\$5,831,595	\$5,998,212	\$5,998,212
	Less: Accumulated Depreciation	(\$137,847)	(\$149,334)	(\$161,281)	(\$173,687)	(\$186,553)	(\$199,878)	(\$213, <del>6</del> 62)	(6227 AAT)						
	Net Book Value	\$3,860,961	\$4,016,091	\$4,170,761	\$4,324,972	\$4,478,723	\$4,632,015	\$4,784,848	(\$227,907) \$4.937,220	(\$242,610)	(\$257,773)	(\$273,396)	(\$289,478)	(\$306,020)	(\$306,020)
	•			. ,	0.1,022,072	V-1,470,123	34,032,015	34,784,048	54,937,220	\$5,089,134	\$5,240,588	\$5,391,582	\$5,542,117	\$5,692,192	\$5,692,192
	Average Net Qualified Investment	-	\$3,938,526	\$4,093,426	\$4,247,867	\$4,401,848	64 FFF 350	44 700 444	44						
			4-7-50,520	34,003,420	J-1,2-1,007	34,401,646	\$4,555,369	\$4,708,431	\$4,861,034	\$5,013,177	\$5,164,861	\$5,316,085	\$5,466,850	\$5,617,155	
Depreciation													-		
	Approved Depreciation Rate-Mains		3.30%	3.30%	3.20*/	2 2201									
	Approved Depreciation Rate-Services		3.60%	3.60%	3.30% 3.60%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	
			3.00%	3.00%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	
Return on Av	erage Net Qualified Investment														
	Equity - Cost of Capital, inclusive of Income Tax Gross-up		8.7500%	8.7500%	8.7500%	8.7500%									
	Debt - Cost of Capital		2.0000%	2.0000%	2.0000%	2.0000%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	
			2.000075	2.00.00	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	
	Equity Component - inclusive of Income Tax Gross-up		\$28,718	\$29,848	\$30,974	\$32,097	633.344	424.222	*** ***						
	Debt Companent		\$6,564	\$6,822	\$7,080	\$7,336	\$33,216 \$7,592	\$34,332 \$7,847	\$35,445	\$36,554	\$37,660	\$38,763	\$39,862	\$40,958	\$418,430
	Return Requirement	-	\$35,283	\$36,670	\$38,054	\$39,433	\$40,809	\$42,180	\$8,102	\$8,355	\$8,608	\$8,860	\$9,111	\$9,362	\$95,641
		-		4-0,010	334,034	232,433	340,009	342,180	\$43,547	\$44,910	\$46,269	\$47,623	\$48,974	\$50,320	\$514,071
Investment Ex															
	Depreciation Expense - Mains		\$11,100	\$11,544	\$11,988	\$12,432	\$12,875	ć43.3	4						
	Depreciation Expense - Services		\$388	\$403	5419	\$434	\$12,875	\$13,319	\$13,763	\$14,207	\$14,651	\$15,095	\$15,539	\$15,983	\$162,497
	Property Taxes		\$4,868	\$4,868	\$4,868	\$4.868	\$4,868	\$465 \$4,868	\$481	\$496	\$512	\$527	\$543	\$558	\$5,675
	Customer Notice Expense		\$6,794	\$0	\$0	,>+,000 \$0	34,868 \$0		\$7,975	\$7,975	\$7,975	\$7,975	\$7,975	\$7,975	\$77,058
	General Public Notice Expense		\$417	\$417	\$417	\$0 \$417	\$0 \$417	\$a \$417	\$0 \$417	\$0	\$0	\$0	\$0	\$0	\$6,794
	Total Expense	-	\$23,566	\$17,231	\$17,691	\$18,150	\$18,610	\$19,069	\$22,636	\$417	\$417	\$417	\$417	\$417	\$5,000
		-		<del>+-</del> /,===	42.,051	210,230	219/810	312/093	\$22,636	\$23,095	\$23,555	\$24,014	\$24,474	\$24,933	\$257,025
Total Revenue	Requirements	_	\$58,849	\$53,902	\$55,745	\$57,584	\$59,418	\$61,249	\$66,183	\$68,005	\$69,823	\$71,638	\$73.448	\$75,254	\$771,096 .
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Florida Division of Chesapeake Utilities Corporation Gas Reliability Infrastructure Program (GRIP) Calculation of the Projected Revenue Requirements July 1, 2015 through June 30, 2016

Attachment H Schedule 8 (CHPK) Page 4 of 10

•		Beginning													Year End
<u>Item</u> Qualified In:		<u>B</u> alance	July	August	September	October	November	<u>December</u>	January	February	March	<u>April</u>	May	<u>iune</u>	Total
Qualified in															
	Qualified Investment - Mains - Current Year		\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$1,937,377
	Qualified Investment - Services - Current Year		\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,16 <del>9</del>	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$62,027
	Total Qualified Investment - Mains	\$5,812,131	\$5,973,579	\$6,135,027	\$6,296,475	\$6,457,923	\$6,619,371	\$6,780,820	\$6,942,268	\$7,103,716	\$7,265,164	\$7,426,612	\$7,588,060	\$7,749,508	\$7,749,508
	Total Qualified Investment - Services	\$186,081	\$191,250	\$196,419	\$201,588	\$206,757	\$211,926	\$217,095	5222,263	\$227,432	\$232,601	\$237,770	\$242,939	5248,108	\$248,108
	Total Qualified Investment	\$5,998,212	\$6,164,829	\$6,331,446	\$6,498,063	\$6,664,680	\$6,831,297	\$6,997,914	\$7,164,531	\$7,331,148	\$7,497,765	\$7,664,382	\$7,830,999	\$7,997,616	\$7,997,616
	Less: Accumulated Depreciation	(\$306.020)	(\$323,021)	(\$340,481)	(\$358,401)	(\$376,781)	(\$395,620)	(\$414,919)	(\$434,677)	(\$454,894)	(\$475,571)	(\$496,708)	(\$518.304)	(\$540,359)	(\$540,359)
	Net Book Value	\$5,692,192	\$5,841,808	\$5,990,965	\$6,139,662	\$6,287,899	\$6,435,677	\$6,582,995	\$6,729,854	\$6,876,254	\$7,022,194	\$7,167,674	\$7,312,695	\$7,457,257	\$7,457,257
	Average Net Qualified Investment	-	fr 707 000	ČC 045 286	ĆC 005 242	fr 313 700	£4 244 700	45 500 000	40.000.400	de ena ne a	45.040.001	******	4	47.144.075	
	The state of the s	==	\$5,767,000	\$5,916,386	\$6,065,313	\$6,213,780	\$6,361,788	\$6,509,336	\$6,656,425	\$6,803,054	\$6,949,224	\$7,094,934	\$7,240,185	\$7,384,976	
Depreciation	Rates														
	Approved Depreciation Rate-Mains		3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	
	Approved Depreciation Rate-Services		3.60%	3.60%	3.60%	3.60%	3,60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	
Return on As	erage Net Qualified investment														
	Equity - Cost of Capital, inclusive of Income Tax Gross-up		8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8,7500%	8.7500%	8.7500%	8.7500%	
	Debt - Cost of Capital		2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	
	Equity Component - inclusive of Income Tax Gross-up		\$42,051	\$43.140	\$44,226	\$45,309	\$46,388	\$47,464	\$48,536	\$49,606	\$50,671	\$51,734	\$52,793	\$53,849	\$575,768
	Debt Component		\$9,612	\$9,861	\$10,109	\$10.356	\$10,603	\$10,849	\$11.094	\$11,338	\$11,582	\$11,825	\$12,067	\$12,308	\$131,604
	Return Requirement	_	\$51,663	\$53,001	\$54,335	\$55,665	\$\$6,991	\$58,313	\$59,630	\$60,944	\$62,253	\$63,559	\$64,860	\$66,157	\$707,372
investment E	Ymenses									-					
	Depreciation Expense - Mains		\$16,427	\$16.871	\$17.315	\$17.759	\$18,203	£10.547	£10.001	*****	410.070	***	***	4	****
	Depreciation Expense - Services		\$16,427 \$574	\$589	\$17,313	\$620	\$18,203	\$18,647 \$651	\$19,091 \$667	\$19,535 \$682	\$19,979	\$20,423	\$20,867	\$21,311	\$226,431
	Property Taxes		\$7,975	\$7,975	\$7,975	\$820 \$7,975	\$7,975	\$7,975	\$10,972	\$682 \$10,972	\$698	\$713	\$729	\$744	\$7,908
	Customer Notice Expense		\$6,794	\$0	\$1,513 \$0	\$0	\$7,973	\$7,373	\$10,972	\$10,972	\$10,972 \$0	\$10,972 \$0	\$10,972	\$10,972	\$113,682
	General Public Notice Expense		56,754 \$417	- \$417	\$417	\$417	\$6 \$417	\$417	\$417	\$417	\$417	\$417	\$0 \$417	\$0 \$417	\$6,794 \$5,000
	Total Expense	_	\$32,187	\$25,852	\$26,312	\$26,771	\$27,231	\$27,690	\$31,147	\$31,606	\$32,066	\$32,525	\$32,985	\$33,444	\$359,815
		-	,	,,,	,		, 27,400	127,000	+-2,247	,	<b>,,000</b>	,,	Ţ- <u>L</u> ,505	V-0,444	*********
Total Revenu	e Requirements	_	\$83,849	\$78,853	\$80,647	\$82,436	\$84,222	\$86,003	\$90,777	\$92,550	\$94,319	\$96,084	\$97,845	\$99,601	\$1,067,187
		-	,00,045	<b>\$10,0</b> 33	300,041	Ju2,430	754,222	\$00,005	230,777	¥32,330	Ç34,315	) 30,0d4	331,043	333,801	31,007,107

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2016 through June 30, 2017

Attachment H Schedule B (CHPK) Page 5 of 10

4.		Beginning													Year End
<u>item</u>		Balance	July	August	September	October	November	December	January	February	March	April	May	June	Total
Qualified Inve															
	Qualified Investment - Mains - Current Year		\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$1,937,377
	Qualified Investment - Services - Current Year		\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$62,027
	Total Qualified Investment - Mains	\$7,749,508	\$7,910,956	\$8,072,404	\$8,233,852	\$8,395,300	\$8,556,748	\$8,718,196	\$8,879,645	\$9,041,093	\$9,202,541	\$9,363,989	\$9,525,437	\$9,686,885	\$9,686,885
	Total Qualified Investment - Services	\$248,108	\$253,277	\$258,446	\$263,615	\$268,784	\$273,953	\$279,122	5284,290	\$289,459	\$294,628	\$299,797	\$304,966	\$310,135	\$310,135
	Total Qualified Investment	\$7,997,616	\$8,164,233	\$8,330,850	\$8,497,467	\$8,664,084	\$8,830,701	\$8,997,318	\$9,163,935	\$9,330,552	\$9,497,169	\$9,663,786	\$9,830,403	\$9,997,020	\$9,997,020
	Less: Accumulated Depreciation	(\$\$40,359)	(\$562,874)	(\$585,848)	(\$609,282)	(\$633,176)	(\$657,529)	(\$682,341)	(5707,613)	(\$733,344)	(\$759,535)	(\$786,186)	(\$813.295)	(\$840.865)	(\$840,865)
	Net Book Value	\$7,457,257	\$7,601,359	\$7,745,002	\$7,888,185	\$8,030,908	\$8,173,172	\$8,314,977	\$8,456,322	\$8,597,208	\$8,737,634	\$8,877,600	\$9,017,108	\$9,156,155	\$9,156,155
	Average Net Qualified Investment	-	\$7,529,308	\$7.673.180	\$7,816,593	\$7,959,546	\$8,102,040	\$8,244,075	\$8,385,649	\$8,526,765		dn pag 543		60.005.634	
	· · · · · · · · · · · · · · · · · · ·	-	\$7,329,308	\$7,673,100	\$7,010,093	\$7,959,546	\$8,102,040	\$8,244,075	\$8,385,649	38,326,765	\$8,667,421	\$8,807,617	\$8,947,354	253,380,631	
Depreciation	Rates														
	Approved Depreciation Rate-Mains		3.30%	3.30%	3.30%	3.30%	3,30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	
	Approved Depreciation Rate-Services		3.60%	3.60%	3.60%	3.60%	3,60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	
Return on Ave	erage Net Qualified Investment														
	Equity - Cost of Capital, inclusive of Income Tax Gross-up		8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	
	Debt - Cost of Capital		2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2,0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	
	Equity Component - inclusive of income Tax Gross-up		\$54,901	\$55,950	\$56,996	558,038	\$59,077	\$60,113	\$61,145	\$62,174	\$63,200	\$64,222	\$65,241	\$66,257	\$727,316
	Debt Component		\$12,549	\$12,789	\$13,028	\$13,266	\$13,503	\$13,740	\$13,976	\$14,211	\$14,446	\$14,679	\$14,912	\$15,144	\$166,244
	Return Requirement	_	\$67,450	\$68,739	\$70,024	\$71,304	\$72,581	\$73,853	\$75,121	\$76,386	\$77,646	\$78,902	\$80,153	\$81,401	\$893,560
Investment Ex	penses														
	Depreciation Expense - Mains		\$21,755	\$22,199	\$22,643	\$23,087	\$23,531	\$23,975	\$24,419	\$24,863	\$25,307	\$25,751	\$26,195	\$26,639	\$290,364
	Depreciation Expense - Services		\$760	\$775	\$791	\$806	\$822	\$837	\$853	\$868	\$23,307 \$884	5899	\$915	\$930	\$10,141
	Property Taxes		\$10,972	\$10,972	\$10,972	\$10,972	\$10,972	\$10,972	\$13,858	\$13,858	\$13,858	\$13,858	\$13,858	\$13,858	\$148,980
	Customer Notice Expense		\$6,794	\$0	\$0	\$10,572	\$10,572	\$0,572	\$13,030	\$13,636	\$13,636	\$13,636	\$13,636 \$0	\$13,838	\$6,794
	General Public Notice Expense		\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	5417	\$417	\$417	\$5,000
	Total Expense		\$40,698	\$34,363	\$34,823	\$35,282	\$35,742	\$36,201	\$39,547	\$40,006	\$40,466	\$40,925	\$41,385	\$41,844	\$461,280
Total Revenue	Requirements	_	\$108,148	\$103,102	\$104,846	\$106,586	\$108,322	\$110,054	\$114,668	\$116,392	\$118,111	\$119,827	\$121,538	\$123,245	\$1,354,839

Gas Rehability Infrastructure Program (GRIP)

Calculation of the Projected Revenue Requirements

July 1, 2017 through June 30, 2018

Attachment H Schedule B (CHPk) Page 6 of 10

<u>Item</u>		Beginning Balance	July	August	Santambar	October	November	December	lanuary	February	March	April	May	June	Year End Total
Qualified Inv	estment	baiance	zuiy	August	September	October	November	December	lanuary	repruary	Marci	April	ividy	<u> 70114</u>	Total
	Qualified Investment - Mains - Current Year		\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$1,937,377
	Qualified Investment - Services - Current Year		\$5,169	\$5,169	\$5,169	55,169	\$5,169	\$5,169	\$5,169	55,169	\$5,169	\$5,169	\$5,169	\$5,169	\$62,027
			75,105	42,103	\$3,103	73,203	\$3,203	43,203	33,203	33,203	**********	V0,2>	\$3,243	4-,	402,023
	Total Qualified Investment - Mains	\$9,686,885	\$9,848,333	\$10,009,781	\$10,171,229	\$10,332,677	\$10,494,125	\$10,655,574	\$10,817,022	\$10,978,470	\$11,139,918	\$11,301,366	\$11,462,814	\$11,624,262	\$11,624,262
	Total Qualified Investment - Services	\$310,135	\$315,304	\$320,473	\$325,642	\$330,811	\$335,980	\$341,149	\$346,317	\$351,486	\$356,655	\$361,824	\$366,993	\$372,162	\$372,162
	Total Qualified Investment	\$9,997,020	\$10,163,637	\$10,330,254	\$10,496,871	\$10,663,488	\$10,830,105	\$10,996,722	\$11,163,339	\$11,329,956	\$11,496,573	\$11,663,190	\$11,829,807	\$11,996,424	\$11,996,424
	•									_					
	Less: Accumulated Depreciation	(\$840,865)	(\$868,894)	(\$897,382)	(\$926,330)	(\$955,737)	(\$985,604)	(\$1,015,930)	(\$1,046,716)	(\$1,077,961)	(\$1,109,666)	(\$1,141,830)	(\$1,174,454)	(\$1,207,537)	(\$1,207,537)
	Net Book Value	\$9,156,155	\$9,294,743	\$9,432,872	\$9,570,541	\$9,707,751	\$9,844,501	\$9,980,792	\$10,116,623	\$10,251,995	\$10,386,907	\$10,521,360	\$10,655,353	\$10,788,887	\$10,788,887
	•														
	Average Net Qualified Investment	•	\$9,225,449	\$9,363,808	\$9,501,707	\$9,639,146	\$9,776,126	\$9,912,647	\$10,048,707	\$10,184,309	\$10,319,451	\$10,454,134	\$10,588,357	\$10,722,120	
		-													
Depreciation															
	Approved Depreciation Rate-Mains		3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	
	Approved Depreciation Rate-Services		3,60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	
Keturn on Av	erage Net Qualified Investment														
	Equity - Cost of Capital, inclusive of Income Tax Gross-up		8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8,7500%	8.7500%	
	Debt - Cost of Capital		2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	
	Equity Component - inclusive of income Tax Gross-up		*****	****		****	4	42	****	4	£25.34-	4== ===	4	400 403	4000 000
	Debt Component		\$67,269 \$15,376	\$68,278	\$69,283	\$70,285 \$16,065	\$71,284	\$72,280 \$16,521	\$73,272 \$16,748	\$74,261	\$75,246 \$17,199	\$76,228 \$17,424	\$77,207 \$17, <del>6</del> 47	\$78,182 \$17,870	\$873,075 \$199,560
	Return Requirement	-	\$15,376 \$82,645	\$15,606 \$83,884	\$15,836 \$85,119	\$86,351	\$16,294 \$87,578	\$88,801	\$16,748	\$16,974 \$91,234	\$17,199	\$17,424	\$94,854	\$96,052	\$1,072,635
	And the state of t	-	504,545	\$03,004	\$63,119	366,331	\$57,578	\$08,801	330,020	391,234	332,443	393,032	234,834	330,032	\$1,072,633
Investment E	xpenses														
	Depreciation Expense - Mains		\$27,083	\$27,527	\$27,971	\$28,415	\$28,859	\$29,303	\$29,747	\$30,191	\$30,635	\$31,079	\$31,523	\$31,967	\$354,298
	Depreciation Expense - Services		\$946	\$961	\$977	\$992	\$1,008	\$1,023	\$1,039	\$1.054	\$1,070	\$1,085	\$1,101	\$1,116	\$12,374
	Property Taxes		\$13,858	\$13,858	\$13,858	\$13,858	\$13,858	\$13,858	\$16,635	\$16,635	\$16,635	\$16,635	\$16,63\$	\$16,63\$	\$182,958
	Customer Notice Expense		\$5,794	\$0	50	\$0	50	50	\$0	\$0	Şa	\$0	50	\$0	\$6,794
	General Public Notice Expense		\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$5,000
	Total Expense		\$49,097	\$42,763	\$43,222	\$43,682	\$44,141	\$44,601	\$47,837	\$48,297	\$48,756	\$49,216	\$49,675	\$50,135	\$561,424
Total Revenue	e Requirements .		\$131,742	\$126,647	\$128,342	\$130,033	\$131,719	\$133,402	\$137,857	\$139,531	\$141,201	\$142,868	\$144,529	\$146,187	\$1,634,059
		-													

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2018 through June 30, 2019

Attachment H Schedule B (CHPK) Page 7 of 10

<u>Item</u>	Beginning Balance	July	August	September	October	November	Documbor	lanuani	February	March	Andi	A.A.	lumo	Year End Total
Qualified Investment	Dalarice	2017	Moguse	<u>Jeptember</u>	October	Movember	<u>December</u>	January	repruary	March	April	May	June	TOTAL
Qualified Investment - Mains - Current Year		\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$1,937,377
Qualified Investment - Services - Current Year		\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$62,027
Total Qualified Investment - Mains	\$11,624,262	\$11,785,710	\$11,947,158	\$12,108,606	\$12,270,054	\$12,431,502	\$12,592,951	\$12,754,399	\$12,915,847	\$13,077,295	\$13,238,743	\$13,400,191	\$13,561,639	\$13,561,639
Total Qualified Investment - Services	\$372,162	\$377,331	\$382,500	\$387,669	\$392,838	\$398,007	\$403,176	\$408,344	\$413,513	\$418,682	\$423,851	\$429,020	\$434,189	\$434,189
Total Qualified Investment	\$11,996,424	\$12,163,041	\$12,329,658	\$12,496,275	\$12,662,892	\$12,829,509	\$12,996,126	\$13,162,743	\$13,329,360	\$13,495,977	\$13,662,594	\$13,829,211	\$13,995,828	\$13,995,828
Less: Accumulated Depreciation	(\$1,207,537)	(\$1,241,080)	(\$1,275,082)	(\$1,309,544)	(\$1,344,465)	(\$1,379,845)	(\$1,415,686)	(\$1,451,985)	(\$1,488,744)	(\$1,525,963)	(\$1,563,641)	(\$1,601,779)	(\$1,640,376)	(\$1,640,376)
Net Book Value	\$10,788,887	\$10,921,961	\$11,054,576	\$11,186,731	\$11,318,427	\$11,449,664	\$11,580,440	\$11,710,758	\$11,840,616	\$11,970,014	\$12,098,953	\$12,227,432	\$12,355,452	\$12,355,452
Average Net Qualified Investment		\$10,855,424	\$10,988,269	\$11,120,654	\$11,252,579	\$11,384,045	\$11,515,052	\$11,645,599	\$11,775,687	\$11,905,315	\$12,034,484	\$12,163,193	\$12,291,442	
Depreciation Rates														
Approved Depreciation Rate-Mains		3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3,30%	3.30%	
Approved Depreciation Rate-Services		3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	
Return on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of Income Tax Gross-up		8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	
Debt - Cost of Capital		2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	
Equity Component - inclusive of Income Tax Gross-up		\$79,154	\$80,123	\$81,088	\$82,050	\$83,009	\$83,964	\$84,916	\$85,864	\$86,810	\$87,751	\$88,690	\$89,625	\$1,013,044
Debt Component	_	\$18,092	\$18,314	\$18,534	\$18,754	\$18,973	\$19,192	\$19,409	\$19,626	\$19,842	\$20,057	\$20,272	\$20,486	\$231,553
Return Requirement		\$97,247	\$98,437	\$99,623	\$100,804	\$101,982	\$103,156	\$104,325	\$105,491	\$106,652	\$107,809	\$108,962	\$110,111	\$1,244,597
Investment Expenses														
Depreciation Expense - Mains		\$32,411	\$32,855	\$33,299	\$33,743	\$34,187	\$34,631	\$35,075	\$35,519	\$35,963	\$36,407	\$36,851	\$37,295	\$418,231
Depreciation Expense - Services		\$1,132	\$1,147	\$1,163	\$1,179	\$1,194	\$1,210	\$1,225	\$1,241	\$1,256	\$1,272	\$1,287	\$1,303	\$14,607
Property Taxes		\$16,635	\$16,635	\$16,635	\$16,635	\$16,635	\$16,635	\$19,301	\$19,301	\$19,301	\$19,301	\$19,301	\$19,301	\$215,616
Customer Notice Expense		\$6,794	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,794
General Public Notice Expense	_	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$5,000
Total Expense		\$57,388	\$51,054	\$51,513	\$51,973	\$52,432	\$52,892	\$56,017	\$56,477	\$56,936	\$57,396	\$57,855	\$58,315	\$660,249
Total Revenue Requirements		\$154,635	\$149,490	\$151,136	\$152,777	\$154,414	\$156,047	\$160,342	\$161,967	\$163,588	\$165,205	\$166,817	\$168,426	\$1,904,845

Cas Rehability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2019 through June 30, 2020

Attachment H Schedule B (CHPK) Page 8 of 10

<u>ltem</u>		Beginning													Year End
Qualified inv		<u>Balance</u>	Yely	August	September	October	November	December	January	February	March	<u>Aprìl</u>	May	<u>junë</u>	<u>Total</u>
Quantied inv															
	Qualified Investment - Mains - Current Year		\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$151,448	\$1,937,377
	Qualified investment - Services - Current Year		\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$62,027
	Total Qualified Investment - Mains	\$13,561,639	\$13,723,087	\$13,884,535	\$14,045,983	\$14,207,431	\$14,368,879	\$14,530,328	514,691,776	\$14,8\$3,224	\$15,014,672	\$15,176,120	\$15,337,568	\$15,499,016	\$15,499,016
	Total Qualified Investment - Services	\$434,189	\$439,358	\$444,527	\$449,696	\$454,865	\$460,034	\$465,203	\$470,371	\$475,540	\$480,709	\$485,878	\$491,047	\$496,216	\$496,216
	Total Qualified Investment	\$13,995,828		\$14,329,062	\$14,495,679	\$14,662,296	\$14,828,913	\$14,995,530	\$15,162,147	\$15,328,764	\$15,495,381	\$15,661,998	\$15,828,615	\$15,995,232	\$15,995,232
	· ·			+,,	<b>V</b> =1/11-/010						+,///	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	411/111/11	7	1
	Less: Accumulated Depreciation	(\$1,640,376)	(\$1,679,432)	(\$1,718,948)	(\$1,758,924)	(\$1,799,359)	(\$1,840,253)	(\$1,881,607)	(\$1,923,421)	(\$1,965,694)	(\$2,008,426)	(\$2,051,618)	(\$2,095,270)	(\$2,139,381)	(\$2,139,381)
	Net Book Value	\$12,355,452	\$12,483,013	\$12,610,114	\$12,736,755	\$12,862,937	\$12,988,660	\$13,113,923	\$13,238,726	\$13,363,070	\$13,486,955	\$13,610,380	\$13,733,345	\$13,855,851	\$13,855,851
	·								<del></del>						
	Average Net Qualified Investment		\$12,419,233	\$12,546,563	\$12,673,434	\$12,799,846	\$12,925,798	\$13,051,291	\$13,176,324	\$13,300,898	\$13,425,017	\$13,548,667	\$13,671,862	\$13,794,598	
			W. J Land				***								
Depreciation	Rates														
	Approved Depreciation Rate-Mains		3.30%	3.30%	3,30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	3.30%	
	Approved Depreciation Rate-Services		3,60%	3.60%	3,60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3,60%	3.60%	3,60%	
Return on Av	erage Net Qualified Investment														
	Equity - Cost of Capital, inclusive of Income Tax Gross-up		8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	
	Debt - Cost of Capital		2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2,0000%	2.0000%	2.0000%	2.0000%	2.0000%	
	Equity Component - inclusive of Income Tax Gross-up		\$90,557	\$91,485	\$92,410	\$93,332	\$94,251	\$95,166	\$96,077	\$96,986	\$97,891	\$98,792	\$99,691	\$100,586	\$1,147,224
	Debt Component		\$20,699	\$20,911	\$21,122	\$21,333	\$21,543	\$21,752	\$21,961	\$22,168	\$22,375	\$22,581	\$22,786	\$22,991	\$262,223
	Return Requirement	_	\$111,256	\$112,396	\$113,533	\$114,665	\$115,794	\$116,918	\$118,038	\$119,154	\$120,266	\$121,373	\$122,477	\$123,577	\$1,409,446
							<del></del>								
Investment E	xpense1														
	Depreciation Expense - Mains		\$37,738	\$38,182	\$38,626	\$39,070	\$39,514	\$39,958	\$40,402	\$40,846	\$41,290	\$41,734	\$42,178	\$42,622	\$482,165
	Depreciation Expense - Services		\$1,318	\$1,334	\$1,349	\$1,365	\$1,380	\$1,396	\$1,411	\$1,427	\$1,442	\$1,458	\$1,473	\$1,489	\$16,840
	Property Taxes		\$19,301	\$19,301	\$19,301	\$19,301	\$19,301	\$19,301	\$21,857	\$21,857	\$21,857	\$21,857	\$21,857	\$21,857	\$246,948
	Customer Notice Expense		\$6,794	\$0	so	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$o	so	\$6,794
	General Public Notice Expense		\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$5,000
	Total Expense		\$65,568	\$59,234	\$59,693	\$60,153	\$60,612	\$61,072	564,087	\$64,547	\$65,006	\$65,466	\$65,925	\$66,385	\$757,747
		•			-		-								<u> </u>
Total Revenue	e Requirements		\$176,824	\$171,630	\$173,226	\$174,818	\$176,406	\$177,989	\$182,125	\$183,701	\$185,272	\$186,839	\$188,402	\$189,961	\$2,167,193

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revonue Requirements
July 1, 2020 through June 30, 2021

Attachment H Schedule B (CHPK) Page 9 of 10

ttem		Beginning													Year End
Qualified Inv	rarêm aut	Balance	<u>July</u>	<u>August</u>	September	October	<u>November</u>	<u>December</u>	January	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>Total</u>
Qualitied ii)	Qualified Investment - Mains - Current Year														
	Qualified Investment - Mains - Current Year  Qualified Investment - Services - Current Year		\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$161,448	\$1,937,377
	Grennen maesthieur - peraicez - Cristélit Jeal.		\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$5,169	\$62,027
	Total Qualified Investment - Mains	\$15,499,016	\$15,660,464	\$15,821,912	\$15,983,360	\$16,144,808	\$16,306,256	*** *** ***	*** *** ***	*** ***	*** *** ***	4.7	4	4-2	447 495 999
	Total Qualified Investment - Services	\$496,216	\$501,385	\$506,554	\$511,723	5516,892	\$522,061	\$16,467,705 \$527,230	\$16,629,153 \$532,398	\$16,790,601	\$16,952,049 \$542,736	\$17,113,497	\$17,274,945 \$553.074	\$17,436,393	\$17,436,393
	Total Qualified Investment	\$15,995,232	\$16,161,849	\$16,328,466	\$16,495,083	\$16,661,700	\$16.828,317	\$16,994,934		\$537,567	*	\$547,905 \$17,661,402	\$17,828,019	\$558,243	\$558,243
		\$13,333,232	\$10,101,649	310,320,400	\$10,453,063	318,661,700	210,050,211	316,994,934	\$17,161,551	\$17,328,168	\$17,494,785	\$17,661,402	\$17,828,019	\$17,994,636	317,394,036
	Less: Accumulated Depreciation	(\$2,139,381)	(\$2,183,951)	(\$2,228,981)	(\$2,274,470)	(\$2,320,419)	(\$2,366,828)	(\$2,413,696)	(\$2,461,023)	(\$2,508,810)	(\$2,557,056)	(\$2,605,762)	(\$2,654,927)	(\$2.704.552)	(\$2,704,552)
	Net Book Vajue	\$13,855,851		\$14,099,485		\$14,341,281	\$14,461,489	\$14,581,238	\$14,700,528	\$14,819,358	\$14,937,729	\$15,055,640	\$15,173,092	\$15,290,084	\$15,290,084
				, - , ,	, , ,				\$21,100,220	¥1.,013,000	y 2 1/3 2 2 7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Quality 12	\$20,270,032	V25,250,001	<b>V</b> 22,230,000
	Average Net Qualified Investment	-	\$13.916.875	\$14,038,691	\$14,160,049	\$14 280 947	\$14,401,385	\$14,521,364	\$14,640,883	\$14,759,943	\$14.878.544	\$14,996,684	\$15,114,366	\$15,231,588	
		•		V	711		***************************************	421,022,001	\$2.70.0000	V21/103/313	724,0.0,511	\$24,330,004	V10/11 1/300	723,232,000	
Depreciation	Rates														
	Approved Depreciation Rate-Mains		3.30%	3.30%	3.30%	3.30%	3,30%	3.30%	3,30%	3.30%	3.30%	3,30%	3.30%	3.30%	
	Approved Depreciation Rate-Services		3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	3.60%	
Return on Av	erage Net Qualified Investment														
	Equity - Cost of Capital, inclusive of Income Tax Gross-up		8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	8.7500%	
	Debt - Cost of Capital		2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	2.0000%	
	Equity Component - inclusive of Income Tax Gross-up		\$101,477	\$102,365	\$103,250	\$104,132	\$105,010	\$105,885	\$106,756	\$107,625	\$108,489	\$109,351	\$110,209	\$111,064	\$1,275,614
	Debt Component	_	\$23,195	\$23,398	\$23,600	\$23,802	\$24,002	\$24,202	\$24,401	\$24,600	\$24,798	\$24,994	\$25,191	\$25,386	\$291,569
	Return Requirement	_	\$124,672	\$125,763	\$126,850	\$127,933	\$129,012	\$130,087	\$131,158	\$132,224	\$133,287	\$134,345	\$135,400	\$136,450	\$1,567,183
(m)4 F															
Investment E	Depreciation Expense - Mains			_											
			\$43,066	\$43,510	\$43,954	\$44,398	\$44,842	\$45,286	\$45,730	\$46,174	\$46,618	\$47,062	\$47,506	\$47,950	\$546,098
	Depreciation Expense - Services Property Taxes		\$1,504	\$1,520	\$1,535	\$1,551	\$1,566	\$1,582	\$1,597	\$1,613	\$1,628	\$1,644	\$1,659	\$1,675	\$19,073
	Customer Notice Expense		\$21,857	\$21,857	\$21,857	\$21,857	\$21,857	\$21,857	\$24,302	\$24,302	\$24,302	\$24,302	\$24,302	\$24,302	\$276,954
	General Public Notice Expense		\$6,794	\$0	\$0	, <b>\$</b> 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,794
	Total Expense	-	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$417	\$5,000
	rotal Expense	-	\$73,638	\$67,304	\$67,763	\$68,223	\$68,682	\$69,142	\$72,046	\$72,506	\$72,965	\$73,424	\$73,884	\$74,343	\$853,919
Total Rossess	e Requirements														
· Otol Revenu	r nedwie einenra		\$198,310	\$193,067	\$194,614	\$196,156	\$197,6 <del>9</del> 4	\$199,229	\$203,204	\$204,730	\$206,252	\$207,770	\$209,284	\$210,793	\$2,421,102

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
July 1, 2021 through June 30, 2022

Attachment H Schedule B (CHPK) Page 10 of 10

Qualified Investment - Mains - Current Year \$161,448 \$161
Qualified Investment - Services - Current Year         \$5,169
Total Qualified Investment - Mains \$17,436,393 \$17,597,841 \$17,759,289 \$17,920,737 \$18,082,185 \$18,243,633 \$18,405,082 \$18,566,530 \$18,727,978 \$18,889,426 \$19,050,874 \$19,212,322 \$19,373,770 \$19,373,770
Total Qualified investment - wains 217,450,555 217,550,557 217,550
1
Total Qualified Investment - Services \$558,243 \$563,412 \$568,581 \$573,750 \$578,919 \$584,088 \$589,257 \$594,425 \$599,594 \$604,763 \$609,932 \$615,101 \$620,270 \$620,270
Total Qualified Investment \$17,994,636 \$18,161,253 \$18,327,870 \$18,894,487 \$18,661,104 \$18,827,721 \$18,994,338 \$19,160,955 \$19,327,572 \$19,494,189 \$19,660,806 \$19,827,423 \$19,994,040 \$19,994,040
Total Qualified investment 220,000,000 220,000 200,0000 200,000 200,000 200,000 200,000 200,000 200,000 200,000 200,000 200,000 200,00
Less: Accumulated Depreciation (\$2,704,552) (\$2,754,636) (\$2,805,180) (\$2,856,183) (\$2,907,646) (\$2,905,569) (\$3,011,950) (\$3,064,791) (\$3,118,092) (\$3,171,852) (\$3,280,751) (\$3,280,751) (\$3,335,890)
Net Book Value \$15,290,084 \$15,406,617 \$15,522,690 \$15,638,304 \$15,753,458 \$15,982,388 \$16,096,164 \$16,209,480 \$16,322,337 \$16,434,734 \$16,546,672 \$16,658,150 \$16,658,150
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Average Net Qualified investment \$15,348,350 \$15,464,653 \$15,580,497 \$15,695,881 \$15,810,805 \$15,925,270 \$16,039,276 \$16,152,822 \$16,265,908 \$16,378,535 \$16,490,703 \$16,602,411
Average set Qualified investment. 313,464,503 313,464,
Day of the Party
Depreciation Rates  Approved Depreciation Rate-Mains 3.30% 3
Approved Depreciation naterinates
Approved Depreciation Rate-Services 3,60%
Return on Average Net Qualified Investment
Recurred in Average are treatment in restriction.  8.7500% 8.7
Equity Cust by Lapital, Hickards Cit income fax apps up
Debt - Cost of Capital 2.0000% 2.00000% 2.00000% 2.00000% 2.0000% 2.0000% 2.0000% 2.0000% 2.0000% 2.00000% 2.0000% 2.0000% 2.0
Equity Component - inclusive of Income Tax Gross-up \$111,915 \$112,763 \$113,608 \$114,449 \$115,287 \$116,122 \$116,953 \$117,781 \$118,606 \$119,477 \$120,245 \$121,059 \$1,398,214
Debt Component \$25,581 \$25,774 \$25,967 \$26,160 \$26,351 \$25,572 \$26,732 \$26,732 \$27,110 \$27,298 \$27,485 \$27,671 \$319,592
Setura Requirement 5137.496 5138,5138 5139,575 5140,609 5141,638 5142,565 5144,702 5145,715 5146,724 5147,729 5148,730 51,717,806
VERTICAL SECTION ASSOCIATION A
Towns and Frances
Investment Expenses    Description Expenses - Mains   S48,394 S49,885 S49,282 S49,726 S50,170 S50,614 S51,058 S51,502 S51,946 S52,390 S52,834 S53,278 S610,032
Depreciation expense - mains
Depreciation expense 5 services
VENUE TANES
Customer Notice expense
General Public Notice Expense
Total Expense \$81,597 \$75,262 \$75,722 \$76,181 \$76,641 \$77,100 \$79,895 \$80,814 \$81,273 \$81,733 \$82,192 \$948,766
\$19 ppg \$213 ppg \$213 ppg \$213 ppg \$213 ppg \$213 ppg \$213 ppg \$223 580 \$225 529 \$227 598 \$229 52665,572
Total Revenue Requirements \$219,093 \$213,800 \$215,297 \$216,790 \$218,279 \$219,764 \$223,580 \$225,057 \$226,529 \$227,998 \$229,462 \$230,922 \$2,666,572

Gas Reliability Infrastructure Program (GRIP)

Two Year Projection of Qualified Mains & Services Revenue Requirements
Surcharge Computation July 1, 2012 through June 30, 2014
Per Therm/Bill Rate

Attachment H Schedule C (CHPK) Page 1 of 5

1. Two Year Qualified Mains & Services Replacement Revenue Requirements

 Mains
 97%
 \$611,325

 Services
 3%
 \$18,907

 Net
 \$630,232

\$630,232

2. TRUE-UP from Prior Period

\$0

Annual Qualified Mains & Services Replacement Revenue Requirements

\$315,116

 Mains
 97%
 \$305,663

 Services
 3%
 \$9,453

 Net
 \$315,116
 \$315,116

RATE	2010	2010	SERVICES	MAINS	SERVICES	MAINS	GRIP	DOLLARS PER	EXPANSION	GRIP	\$ PER	EXPANSION	GRIP	ANNUAL COST	TYPICAL ANNUAL	ANNUAL
CLASS	BILLS	THERMS	COS %	COS %	REV REQ	REV REQ	REV REQ	THERM		PER THERM	BILL	FACTOR		PER BILL	THERMS _	COST
FTS-A	29,700	273,768	14.34%	0.951%	\$ 1,356	\$ 2,907	\$4,263	\$0.01557	1.00503	\$ 0.01565	\$ 0.14	1.00503	\$ 0.14	\$ 1.73	110	\$1.72
FTS-B	28,200	504,786	9.74%	1.142%	\$ 921	\$ 3,491	\$4,412	\$0.00874	1.00503	\$ 0.00878	\$ 0.16	1.00503	\$ 0.16	\$ 1.89	215	\$1.89
FTS-1	91,332	2,113,163	33.48%	5.861%	\$ 3,165	\$ 17,915	\$21,080	\$0.00998	1.00503	\$ 0.01003	\$ 0.23	1.00503	\$ 0.23	\$ 2.78	275	\$2.76
FTS-2	10,524	767,913	12.69%	1.611%	\$ 1,200	\$ 4,924	\$6,124	\$0.00797	1.00503	\$ 0.00801	\$ 0.58	1.00503	\$ 0.58	\$ 7.02	875	\$7.01
FTS-2.1	7,212	942,573	7.83%	3.193%	\$ 740	\$ 9,760	\$10,500	\$0,01114	1.00503	\$ 0.01120	\$ 1.46	1.00503	\$ 1.46	\$ 17.56	1,575	\$17.63
FTS-3	2,388	793,413	3.93%	1.567%	\$ 372	\$ 4,790	\$5,162	\$0.00651	1.00503	\$ 0.00654	\$ 2.16	1.00503	\$ \$ 2.17	\$ 26.07	4,000	\$26.16
FTS-3.1	2,928	1,814,977	3.91%	4.294%	\$ 370	\$ 13,125	\$13,495	\$0.00744	1.00503	\$ 0.00747	\$ 4.61	1.00503	\$ 4.63	\$ 55.59	7,300	\$54.55
FTS-4		2,471,241	4.37%	6.162%	\$ 413	\$ 18,835	\$19,248	\$0.00779	1.00503	\$ 0.00783					12,500	\$97.85
FTS-5		810,118	1.24%	2.570%	\$ 117	\$ 7,856	\$7,973	\$0.00984	1.00503	\$ 0.00989					37,500	\$370.92
FTS-6		1,568,616	1.25%	2.750%	\$ 118	\$ 8,406	\$8,524	\$0.00543	1.00503	\$ 0.00546					75,000	\$409.61
FTS-7		3,511,513	2.20%	7.615%	\$ 208	\$ 23,276	\$23,484	\$0.00669	1.00503	\$ 0.00672					150,000	\$1,008.20
FTS-8		3,076,666	1.62%	10.708%	\$ 153	\$ 32,730	\$32,883	\$0.01069	1.00503	\$ 0.01074					300,000	\$3,222.49
FTS-9		5,385,517	1.48%	15.171%	\$ 140	\$ 46,372	\$46,512	\$0.00864	1.00503	\$ 0.00868					550,000	\$4,773.97
FTS-10		1,778,121	0.45%	6.539%	\$ 43	\$ 19,987	\$20,030	\$0.01126	1.00503	\$ 0.01132					850,000	\$9,623.16
FTS-11		5,395,430	0.61%	13.551%	\$ 58	\$ 41,420	\$41,478	\$0.00769	1.00503	\$ 0.00773					1,750,000	\$13,521.00
FTS-12		6,222,590	0.47%	16.315%	\$ 44	\$ 49,869	\$49,913	\$0.00802	1.00503	\$ 0.00806					3,000,000	\$24,184.81
FTS-13		14,506,587	0.39%	0.000%	\$ 37	\$ -	\$37	\$0.00000	1.00503	\$ 0.00000					14,506,587	\$0.00
TOTAL	172,284	51,936,992	100.00%	100.000%	\$ 9,453	\$ 305,663	\$ 315,118									

Gas Reliability Infrastructure Program (GRIP)

Two Year Projection of Qualified Mains & Services Revenue Requirements Surcharge Computation July 1, 2014 through June 30, 2016 Per Therm/Bill Rate

Attachment H Schedule C (CHPK) Page 2 of S

Two Year Qualified Mains & Services Replacement Revenue Requirements

Mains

97% \$1,783,134

Services Net

\$55,148 \$1,838,282

TRUE-UP from Prior Period

\$0 \$919,141

\$1,838,282

Annual Qualified Mains & Services Replacement Revenue Requirements

Mains Services \$891,567 \$27,574

Net

\$919,141

RATE CLASS	2010 BILLS	2010 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ	MAINS REV REQ	GRIP REV REQ	DOLLARS PER THERM	EXPANSION FACTOR	GRIP FACTORS PER THERM	\$ PER BILL	EXPANSION FACTOR		ANNUAL COST PER BILL	TYPICAL ANNUAL THERMS	ANNUAL COST
FTS-A	29,700	273,768	14.34%	0.951%	\$ 3,954	\$ 8,479	\$12,433	\$0.04541	1.00503	\$ 0.04564	\$ 0.42	1.00503	\$ 0.42	\$ 5.05	110	\$5.02
FTS-B	28,200	504,786	9.74%	1.142%	\$ 2,686	\$ 10,182	\$12,868	\$0.02549	1.00503	\$ 0.02562	\$ 0.46	1.00503	\$ 0.46	\$ 5.50	215	\$5.51
FTS-1	91,332	2,113,163	33.48%	5.861%	\$ 9,232	\$ 52,255	\$61,487	\$0.02910	1.00503	\$ 0.02924	\$ 0.67	1.00503	\$ 0.68	\$ 8.12	275	\$8.04
FTS-2	10,524	767,913	12.69%	1.611%	\$ 3,499	\$ 14,363	\$17,862	\$0.02326	1.00503	\$ 0.02338	\$ 1.70	1.00503	\$ 1.71	\$ 20.47	875	\$20.46
FTS-2.1	7,212	942,573	7.83%	3.193%	\$ 2,159	\$ 28,468	\$30,627	\$0.03249	1.00503	\$ 0.03266	\$ 4.25	1.00503	\$ 4.27	\$ 51.22	1,575	\$51.43
FTS-3	2,388	793,413	3.93%	1.567%	\$ 1,084	\$ 13,971	\$15,055	\$0.01897	1.00503	\$ 0.01907	\$ 6.30	1.00503	\$ 6.34	\$ 76.03	4,000	\$76.28
FTS-3.1	2,928	1,814,977	3.91%	4.294%	\$ 1,078	\$ 38,284	\$39,362	\$0.02169	1.00503	\$ 0.02180	\$ 13.44	1.00503	\$ 13.51	\$ 162.13	7,300	\$159.11
FTS-4		2,471,241	4.37%	6.162%	\$ 1,205	\$ 54,938	\$56,143	\$0.02272	1.00503	\$ 0.02283					12,500	\$285.41
FTS-5		810,118	1.24%	2.570%	\$ 342	\$ 22,913	\$23,255	\$0.02871	1.00503	\$ 0.02885					37,500	\$1,081.88
FTS-6		1,568,616	1.25%	2.750%	\$ 345	\$ 24,518	\$24,863	\$0.01585	1.00503	\$ 0.01593					75,000	\$1,194.75
FTS-7		3,511,513	2.20%	7.615%	\$ 607	\$ 67,893	\$68,500	\$0.01951	1.00503	\$ 0.01961					150,000	\$2,940.81
FTS-8		3,076,666	1.62%	10.708%	\$ 447	\$ 95,469	\$95,916	\$0.03118	1.00503	\$ 0.03133					300,000	\$9,399.63
FTS-9		5,385,517	1.48%	15.171%	\$ 408	\$ 135,260	\$135,668	\$0.02519	1.00503	\$ 0.02532					550,000	\$13,924.89
FTS-10		1,778,121	0.45%	6.539%	\$ 124	\$ 58,300	\$58,424	\$0.03286	1.00503	\$ 0.03302					850,000	\$28,069.06
FTS-11		5,395,430	0.61%	13.551%	\$ 168	\$ 120,816	\$120,984	\$0.02242	1.00503	\$ 0.02254					1,750,000	\$39,438.37
FTS-12		6,222,590	0.47%	16.315%	\$ 130	\$ 145,459	\$145,589	\$0.02340	1.00503	\$ 0.02351					3,000,000	\$70,543.61
FTS-13		14,506,587	0.39%	0.000%	\$ 108	\$ -	\$108	\$0.00001	1.00503	\$ 0.00001					14,506,587	\$108.54
TOTAL	172,284	51,936,992	100.00%	100.000%	\$ 27,574	\$ 891,567	\$ 919,144									

Gas Reliability Infrastructure Program (GRIP)

Two Year Projection of Qualified Mains & Services Revenue Requirements Surcharge Computation July 1, 2016 through June 30, 2018 Per Therm/Bill Rate

Attachment H Schedule C (CHPK) Page 3 of S

Two Year Qualified Mains & Services Replacement Revenue Requirements

97% \$2,899,231

Mains Services \$89,667 Net \$2,988,898

\$2,988,898

\$0

TRUE-UP from Prior Period

Annual Qualified Mains & Services Replacement Revenue Requirements \$1,494,449

Mains 97% \$1,449,616 Services \$44,833 \$1,494,449 Net

RATE	2010	2010	SERVICES	MAINS	SERVICES	MAINS	GRIP	DOLLARS PER	EXPANSION	GRIP FACTORS	\$ PER	EXPANSION	GRIP FACTORS	COST	TYPICAL ANNUAL	ANNUAL
CLASS	BILLS	THERMS	COS %	cos %	REV REQ	REV REQ	REV REQ	THERM	FACTOR	PER THERM	BILL	FACTOR	PER BILL	PER BILL	THERMS	COST
FTS-A	29,700	273,768	14.34%	0.951% \$	6,429	\$ 13,786	\$20,215	\$0.07384	1.00503	\$ 0.07421	\$ 0.68	1.00503	\$ 0.68	\$ 8.21	110	\$8.16
FTS-B	28,200	504,786	9.74%	1.142% \$	4,367	\$ 16,555	\$20,922	\$0.04145	1.00503	\$ 0.04166	\$ 0.74	1.00503	\$ 0.75	\$ 8.95	215	\$8.96
FTS-1	91,332	2,113,163	33.48%	5.861% \$	15,010	\$ 84,962	\$99,972	\$0.04731	1.00503	\$ 0.04755	\$ 1.09	1.00503	\$ 1.10	\$ 13.20	275	\$13.08
FTS-2	10,524	767,913	12.69%	1.611% \$	5,689	\$ 23,353	\$29,042	\$0.03782	1.00503	\$ 0.03801	\$ 2.76	1.00503	\$ 2.77	\$ 33.28	875	\$33.26
FTS-2.1	7,212	942,573	7.83%	3.193% \$	3,510	\$ 46,286	\$49,796	\$0.05283	1.00503	\$ 0.05310	\$ 6.90	1.00503	\$ 6.94	\$ 83.27	1,575	\$83.63
FTS-3	2,388	793,413	3.93%	1.567% \$	1,762	\$ 22,715	\$24,477	\$0.03085	1.00503	\$ 0.03101	\$ 10.25	1.00503	\$ 10.30	\$ 123.62	4,000	\$124.02
FTS-3.1	2,928	1,814,977	3.91%	4.294% \$	1,753	\$ 62,247	\$64,000	\$0.03526	1.00503	\$ 0.03544	\$ 21.86	1.00503	\$ 21.97	\$ 263.61	7,300	\$258.71
FTS-4		2,471,241	4.37%	6.162% \$	1,959	\$ 89,325	\$91,284	\$0.03694	1.00503	\$ 0.03712					12,500	\$464.05
FTS-5		810,118	1.24%	2.570% \$	556	\$ 37,255	\$37,811	\$0.04667	1.00503	\$ 0.04691					37,500	\$1,759.06
FTS-6		1,568,616	1.25%	2.750% \$	560	\$ 39,864	\$40,424	\$0.02577	1.00503	\$ 0.02590					75,000	\$1,942.51
FTS-7		3,511,513	2.20%	7.615% \$	986	\$ 110,388	\$111,374	\$0.03172	1.00503	\$ 0.03188					150,000	\$4,781.45
FTS-8		3,076,666	1.62%	10.708% \$	726	\$ 155,225	\$155,951	\$0.05069	1.00503	\$ 0.05094					300,000	\$15,282.98
FTS-9		5,385,517	1.48%	15.171% \$	664	\$ 219,921	\$220,585	\$0.04096	1.00503	\$ 0.04116					550,000	\$22,640.72
FTS-10		1,778,121	0.45%	6.539% \$	202	\$ 94,790	\$94,992	\$0.05342	1.00503	\$ 0.05369					850,000	\$45,637.69
FTS-11		5,395,430	0.61%	13.551% \$	273	\$ 196,437	\$196,710	\$0.03646	1.00503	\$ 0.03664					1,750,000	\$64,123.53
FTS-12		6,222,590	0.47%	16.315% \$	211	\$ 236,505	\$236,716	\$0.03804	1.00503	\$ 0.03823					3,000,000	\$114,698.23
FTS-13		14,506,587	0.39%	0.000% \$	175	\$ -	\$175	\$0.00001	1.00503	\$ 0.00001					14,506,587	\$175.88
TOTAL	172,284	51,936,992	100.00%	100.000%	44,833	\$ 1,449,616	\$ 1,494,446									

Gas Reliability Infrastructure Program (GRIP)

Two Year Projection of Qualified Mains & Services Revenue Requirements Surcharge Computation July 1, 2018 through June 30, 2020

Per Therm/Bill Rate

Attachment H Schedule C (CHPK) Page 4 of 5

1. Two Year Qualified Mains & Services Replacement Revenue Requirements

Mains Services 97% \$3,949,878 3% \$122,161

Net \$4,072,039

2. TRUE-UP from Prior Period

\$0

3. Annual Qualified Mains & Services Replacement Revenue Requirements

\$2,036,019

\$4,072,039

Mains 97% \$1,974,938

97% \$1,974,938 3% \$61,081

Services Net

\$2,036,019

RATE CLASS	2010 BILLS	2010 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ	MAINS REV REQ	GRIP REV REQ	DOLLARS PER THERM	EXPANSION FACTOR	GRIP FACTORS PER THERM	\$ PER BILL	EXPANSION FACTOR		ANNUAL COST PER BILL	TYPICAL ANNUAL THERMS	ANNUAL COST
FTS-A	29,700	273,768	14.34%	0.951%	\$ 8,759	\$ 18,782	\$27,541	\$0.10060	1.00503	\$ 0.10111	\$ 0.93	1.00503	\$ 0.93	\$ 11.18	110	\$11.12
FTS-B	28,200	504,786	9.74%	1.142%	\$ 5,949	\$ 22,554	\$28,503	\$0.05647	1.00503	\$ 0.05675	\$ 1.01	1.00503	\$ 1.02	\$ 12.19	215	\$12.20
FTS-1	91,332	2,113,163	33.48%	5.861%	\$ 20,450	\$ 115,751	\$136,201	\$0.06445	1.00503	\$ 0.06478	\$ 1.49	1.00503	\$ 1.50	\$ 17.99	275	\$17.81
FTS-2	10,524	767,913	12.69%	1.611%	\$ 7,751	\$ 31,816	\$39,567	\$0.05153	1.00503	\$ 0.05178	\$ 3.76	1.00503	\$ 3.78	\$ 45.34	875	\$45,31
FTS-2.1	7,212	942,573	7.83%	3.193%	\$ 4,783	\$ 63,060	\$67,843	\$0.07198	1.00503	\$ 0.07234	\$ 9.41	1.00503	\$ 9.45	\$ 113.45	1,575	\$113.93
FTS-3	2,388	793,413	3.93%	1.567%	\$ 2,400	\$ 30,947	\$33,347	\$0.04203	1.00503	\$ 0.04224	\$ 13.96	1.00503	\$ 14.03	\$ 168.42	4,000	\$168.96
FTS-3.1	2,928	1,814,977	3.91%	4.294%	\$ 2,388	\$ 84,804	\$87,192	\$0.04804	1.00503	\$ 0.04828	\$ 29.78	1.00503	\$ 29.93	\$ 359.14	7,300	\$352.46
FTS-4		2,471,241	4.37%	6.162%	\$ 2,669	\$ 121,696	\$124,365	\$0.05032	1.00503	\$ 0.05058					12,500	\$632.23
FTS-S		810,118	1.24%	2.570%	\$ 757	\$ 50,756	\$51,513	\$0.06359	1.00503	\$ 0.06391					37,500	\$2,396.51
FTS-6		1,568,616	1.25%	2.750%	\$ 764	\$ 54,311	\$55,075	\$0.03511	1.00503	\$ 0.03529					75,000	\$2,646.54
FTS-7		3,511,513	2.20%	7.615%	\$ 1,344	\$ 150,392	\$151,736	\$0.04321	1.00503	\$ 0.04343					150,000	\$6,514.25
FTS-8		3,076,666	1.62%	10.708%	\$ 990	\$ 211,476	\$212,466	\$0,06906	1.00503	\$ 0.06940					300,000	\$20,821.37
FTS-9		5,385,517	1.48%	15.171%	\$ 904	\$ 299,618	\$300,522	\$0.05580	1.00503	\$ 0.05608					550,000	\$30,845.41
FTS-10		1,778,121	0.45%	6.539%	\$ 275	\$ 129,141	\$129,416	\$0.07278	1.00503	\$ 0.07315					850,000	\$62,176.26
FTS-11		5,395,430	0.61%	13.551%	\$ 373	\$ 267,624	\$267,9 <del>9</del> 7	\$0.04967	1.00503	\$ 0.04992					1,750,000	\$87,361.67
FTS-12		6,222,590	0.47%	16.315%	\$ 287	\$ 322,211	\$322,498	\$0.05183	1.00503	\$ 0.05209					3,000,000	\$156,262.99
FTS-13		14,506,587	0.39%	0.000%	\$ 238	\$ -	\$238	\$0.00002	1.00503	\$ 0.00002					14,506,587	\$239.20
TOTAL	172,284	51,936,992	100.00%	100.000%	\$ 61,081	\$ 1,974,938	\$ 2,036,020									

Gas Reliability Infrastructure Program (GRIP)

Two Year Projection of Qualified Mains & Services Revenue Requirements
Surcharge Computation July 1, 2020 through June 30, 2022

Per Therm/Bill Rate

1. Two Year Qualified Mains & Services Replacement Revenue Requirements \$5,087,674

97% \$4,935,044

Mains Services

3% \$152,630 \$5,087,674

2. TRUE-UP from Prior Period

\$0

Attachment H

Page 5 of 5

Schedule C (CHPK)

Annual Qualified Mains & Services Replacement Revenue Requirements \$2,543,837

Mains Services Net

Net

97% \$2,467,522 3% \$76,315

3% \$76,315 \$2,543,837

RATE CLASS	2010 BILLS	2010 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ		MAINS EV REQ	GRIP REV REQ	DOLLARS PER THERM	EXPANSION FACTOR	GRIP FACTORS PER THERM	PER BILL	EXPANSION FACTOR		ANNUAL COST PER BILL	TYPICAL ANNUAL THERMS	ANNUAL COST
FTS-A	29,700	273,768	14.34%	0.951%	\$ 10,944	\$	23,466	\$34,410	\$0.12569	1.00503	\$ 0.12632	\$ 1.16	1.00503	\$ 1.16	\$ 13.97	110	\$13.90
FTS-B	28,200	504,786	9.74%	1.142%	\$ 7,433	\$	28,179	\$35,612	\$0.07055	1.00503	\$ 0.07090	\$ 1.26	1.00503	\$ 1.27	\$ 15.23	215	\$15.24
FTS-1	91,332	2,113,163	33.48%	5.861%	\$ 25,550	\$	144,621	\$170,171	\$0.08053	1.00503	\$ 0.08093	\$ 1.86	1.00503	\$ 1.87	\$ 22.47	275	\$22.26
FTS-2	10,524	767,913	12.69%	1.611%	\$ 9,684	\$	39,752	\$49,436	\$0.06438	1.00503	\$ 0.06470	\$ 4.70	1.00503	\$ 4.72	\$ 56.65	875	\$56.61
FT\$-2.1	7,212	942,573	7.83%	3.193%	\$ 5,975	\$	78,788	\$84,763	\$0.08993	1.00503	\$ 0.09038	\$ 11.75	1.00503	\$ 11.81	\$ 141.75	1,575	\$142.35
FTS-3	2,388	793,413	3.93%	1.567%	\$ 2,999	\$	38,666	\$41,665	\$0.05251	1.00503	\$ 0.05278	\$ 17.45	1.00503	\$ 17.54	\$ 210.42	4,000	\$211.11
FTS-3.1	2,928	1,814,977	3.91%	4.294%	\$ 2,984	\$	105,955	\$108,939	\$0.06002	1.00503	\$ 0.06032	\$ 37.21	1.00503	\$ 37.39	\$ 448.72	7,300	\$440.37
FTS-4		2,471,241	4.37%	6.162%	\$ 3,335	\$	152,049	\$155,384	\$0.06288	1.00503	\$ 0.06319					12,500	\$789.91
FTS-S		810,118	1.24%	2.570%	\$ 946	\$	63,415	\$64,361	\$0.07945	1.00503	\$ 0.07985					37,500	\$2,994.23
FTS-6		1,568,616	1.25%	2.750%	\$ 954	\$	67,857	\$68,811	\$0.04387	1.00503	\$ 0.04409					75,000	\$3,306.60
FTS-7		3,511,513	2.20%	7.615%	\$ 1,679	\$	187,902	\$189,581	\$0.05399	1.00503	\$ 0.05426					150,000	\$8,139.00
FTS-8		3,076,666	1.62%	10.708%	\$ 1,236	\$	264,222	\$265,458	\$0.08628	1.00503	\$ 0.08672					300,000	\$26,014.52
FTS-9		5,385,517	1.48%	15.171%	\$ 1,129	\$	374,348	\$375,477	\$0.06972	1.00503	\$ 0.07007					550,000	\$38,538.75
FTS-10		1,778,121	0.45%	6.539%	\$ 343	\$	161,351	\$161,694	\$0.09094	1.00503	\$ 0.09139					850,000	\$77,683.81
FTS-11		5,395,430	0.61%	13.551%	\$ 466	\$	334,374	\$334,840	\$0.06206	1.00503	\$ 0.06237					1,750,000	\$109,151.16
FTS-12		6,222,590	0.47%	16.315%	\$ 359	\$	402,576	\$402,935	\$0.06475	1.00503	\$ 0.06508					3,000,000	\$195,237.88
FTS-13		14,506,587	0.39%	0.000%	\$ 298	\$	-	\$298	\$0.00002	1.00503	\$ 0.00002					14,506,587	\$299.50
TOTAL	172,284	51,936,992	100.00%	100.000%	\$ 76,315	\$ 2	,467,522	\$ 2,543,835									



Florida Division of Chesapeake Utilities Corporation	Original Sheet No. 105.1
Original Volume No. 4	

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## RATE SCHEDULES MONTHLY RATE ADJUSTMENTS Rate Schedule MRA

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#### 7. GAS INFRASTRUCTURE REPLACEMENT PROGRAM (GRIP):

Applicability:

All Customers receiving Transportation Service from the Company and are assigned to or have selected rate schedules FTS-A, FTS-B, FTS-1, FTS-2, FTS-2.1, FTS-3, FTS-3.1, FTS-4, FTS-5, FTS-6, FTS-7, FTS-8, FTS-9, FTS-10, FTS-11, FTS-12, and FTS-13.

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The Usage Rate for Transportation Service to each applicable rate classification shall be adjusted by the following recovery factors. The recovery factors for all meters read for the period July 1, 2012 through June 30, 2014 for each rate classification are as follows:

Rate Schedule	Classification of Service	Rate per therr
FTS-A	< 130 therms	\$0.01565
FTS-B	> 130 therms up to 250 therms	\$0.00878
FTS-1	≥ 0 up to 500 therms	\$0.01003
FTS-2	> 500 therms up to 1,000 therms	\$0.00801
FTS-2.1	> 1,000 therms up to 2,500 therms	\$0.01120
FTS-3	> 2.500 therms up to 5,000 therms	\$0.00654
FTS-3.1	> 5,000 therms up to 10,000 therms	\$0.00747
FTS-4	> 10,000 therms up to 25,000 therms	\$0.00783
FTS-5	> 25,000 therms up to 50,000 therms	\$0.00989
FTS-6	> 50,000 therms up to 100,000 therms	\$0.00546
FTS-7	> 100,000 therms up to 200,000 therms	\$0.00672
FTS-8	> 200,000 therms up to 400,000 therms	\$0.01074
FTS-9	> 400,000 therms up to 700,000 therms	\$0.00868
FTS-10	> 700,000 therms up to 1,000,000 therms	\$0.01132
FTS-11	> 1,000,000 therms up to 2,500,000 therms	\$0.00773
FTS-12	> 2,500,000 therms up to 12,500,000 therms	\$0.00806
FTS-13	> 12.500.000 therms	\$0.00000

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Chesapeake Utilities Corporation

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RATE SCHEDULES
MONTHLY RATE ADJUSTMENTS
Rate Schedule MRA

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#### 7. GAS INFRASTRUCTURE REPLACEMENT PROGRAM (GRIP) (Experimental):

#### Applicability:

All Customers, assigned to a TTS Shipper, receiving Transportation Service from the Company and are assigned to or have selected rate schedules FTS-A (Exp), FTS-B (Exp), FTS-1 (Exp), FTS-2 (Exp), FTS-2, (Exp), FTS-3 (Exp), and FTS-3.1 (Exp).

The Firm Transportation Charge for Transportation Service to each applicable rate classification shall be adjusted by the following recovery factors. The recovery factors for all meters read for the period July 1, 2012 through June 30, 2014 for each rate classification are as follows:

Consumet		
Rate Schedule	Rate	per bill
FTS-A (Exp)	\$	0.14
FTS-B (Exp)	\$	0.16
FTS-1 (Exp)	\$	0.23
FTS-2 (Exp)	\$	<u>0.58</u>
FTS-2.1 (Exp)	\$	1.46
FTS-3 (Exp)	\$	2.17
FTS-3.1 (Exp)	\$	4.63

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### SixthSeventh Revised Sheet No. 35.4 Cancels FifthSixth Revised Sheet No. 35.4

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### BILLING ADJUSTMENTS (Continued from Sheet No. 35.3)

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The bill for gas or transportation service supplied to a Customer in any Billing Period shall be adjusted as follows:

The GRIP factors for the period from the first billing cycle for July 2012 through the last billing cycle for June 2014 are as follows:

Rate Class	GRIP Factor
Rate Schedule RS	0.184 cents per therm
Rate Schedule GS-1	0.219 cents per therm
Rate Schedule GS-2	0.219 cents per therm
Rate Schedule GSTS-1	0.219 cents per therm
Rate Schedule GSTS-2	0.219 cents per therm
Rate Schedule LVS	0.095 cents per therm
Rate Schedule LVTS	0.095 cents per therm
Rate Schedule IS	0.096 cents per therm
Rate Schedule ITS	0.096 cents per therm
Rate Schedule GLS	0.173 cents per therm
Rate Schedule GLSTS	0.173 cepts per therm

(Continued to Sheet No. 35.5)

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# RATE SCHEDULES MONTHLY RATE ADJUSTMENTS Rate Schedule MRA

#### 7. GAS INFRASTRUCTURE REPLACEMENT PROGRAM (GRIP):

#### Applicability:

All Customers receiving Transportation Service from the Company and are assigned to or have selected rate schedules FTS-A, FTS-B, FTS-1, FTS-2, FTS-2.1, FTS-3, FTS-3.1, FTS-4, FTS-5, FTS-6, FTS-7, FTS-8, FTS-9, FTS-10, FTS-11, FTS-12, and FTS-13.

The Usage Rate for Transportation Service to each applicable rate classification shall be adjusted by the following recovery factors. The recovery factors for all meters read for the period July 1, 2012 through June 30, 2014 for each rate classification are as follows:

Rate Schedule	Classification of Service	Rate per therm
FTS-A	< 130 therms	\$0.01565
FTS-B	> 130 therms up to 250 therms	\$0.00878
FTS-1	> 0 up to 500 therms	\$0.01003
FTS-2	> 500 therms up to 1,000 therms	\$0.00801
FTS-2.1	> 1,000 therms up to 2,500 therms	\$0.01120
FTS-3	> 2,500 therms up to 5,000 therms	\$0.00654
FTS-3.1	> 5,000 therms up to 10,000 therms	\$0.00747
FTS-4	> 10,000 therms up to 25,000 therms	\$0.00783
FTS-5	> 25,000 therms up to 50,000 therms	\$0.00989
FTS-6	> 50,000 therms up to 100,000 therms	\$0.00546
FTS-7	> 100,000 therms up to 200,000 therms	\$0.00672
FTS-8	> 200,000 therms up to 400,000 therms	\$0.01074
FTS-9	> 400,000 therms up to 700,000 therms	\$0.00868
FTS-10	> 700,000 therms up to 1,000,000 therms	\$0.01132
FTS-11	> 1,000,000 therms up to 2,500,000 therms	\$0.00773
FTS-12	> 2,500,000 therms up to 12,500,000 therms	\$0.00806
FTS-13	> 12,500,000 therms	\$0.00000

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Chesapeake Utilities Corporation

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# RATE SCHEDULES MONTHLY RATE ADJUSTMENTS Rate Schedule MRA

#### 7. GAS INFRASTRUCTURE REPLACEMENT PROGRAM (GRIP) (Experimental):

#### Applicability:

All Customers, assigned to a TTS Shipper, receiving Transportation Service from the Company and are assigned to or have selected rate schedules FTS-A (Exp), FTS-B (Exp), FTS-1 (Exp), FTS-2 (Exp), FTS-2.1 (Exp), FTS-3 (Exp), and FTS-3.1 (Exp).

The Firm Transportation Charge for Transportation Service to each applicable rate classification shall be adjusted by the following recovery factors. The recovery factors for all meters read for the period July 1, 2012 through June 30, 2014 for each rate classification are as follows:

Consumer		
Rate Schedule	Rate	per bill
FTS-A (Exp)	\$	0.14
FTS-B (Exp)	\$	0.16
FTS-1 (Exp)	\$	0.23
FTS-2 (Exp)	\$	0.58
FTS-2.1 (Exp)	\$	1.46
FTS-3 (Exp)	\$	2.17
FTS-3.1 (Exp)	\$	4.63

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**Chesapeake Utilities Corporation** 

Effective:	

## BILLING ADJUSTMENTS (Continued from Sheet No. 35.3)

#### Gas Reliability Infrastructure Program (GRIP)

The bill for gas or transportation service supplied to a Customer in any Billing Period shall be adjusted as follows:

The GRIP factors for the period from the first billing cycle for July 2012 through the last billing cycle for June 2014 are as follows:

Rate Class	GRIP Factor	
Rate Schedule RS	0.184 cents per therm	
Rate Schedule GS-1	0.219 cents per therm	
Rate Schedule GS-2	0.219 cents per therm	
Rate Schedule GSTS-1	0.219 cents per therm	
Rate Schedule GSTS-2	0.219 cents per therm	
Rate Schedule LVS	0.095 cents per therm	
Rate Schedule LVTS	0.095 cents per therm	
Rate Schedule IS	0.096 cents per therm	
Rate Schedule ITS	0.096 cents per therm	
Rate Schedule GLS	0.173 cents per therm	
Rate Schedule GLSTS	0.173 cents per therm	

(Continued to Sheet No. 35.5)

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