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May 17, 2017

Daniel P. Wolf Executive Secretary Minnesota Public Utilities Commission 121 7th Place East, Suite 350 St. Paul, Minnesota 55101-2147

RE: Response Comments of the Minnesota Department of Commerce, Division of Energy Resources

Docket No. G002/M-17-174

Dear Mr. Wolf:

Attached are the response comments of the Minnesota Department of Commerce, Division of Energy Resources (Department) in the following matter:

Petition of Northern States Power Company, d/b/a Xcel Energy, for Approval of a Modification to the Natural Gas State Energy Policy (SEP) Rate Rider, 2017 SEP Rate Factor, and 2016 SEP Compliance Filing.

The Petition was filed on March 1, 2017 by:

Lisa R. Peterson Manager, Regulatory Analysis Xcel Energy Service, Inc. 414 Nicollet Mall – 401, 7th Floor Minneapolis, Minnesota 55401

The Department recommends that **the Commission discontinue the natural gas SEP Rider mechanism.** The Department includes additional analysis and alternative recommendations in Attachment A to these response comments should the Commission decide to continue the SEP Rider mechanism. The Department is available to answer any questions the Commission may have.

Sincerely,

/s/ DOROTHY E. MORRISSEY Financial Analyst

DEM/It Attachments



BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

RESPONSE COMMENTS OF THE MINNESOTA DEPARTMENT OF COMMERCE

DOCKET NO. G002/M-17-174

I. BACKGROUND

On March 1, 2017, Northern States Power Company, doing business as Xcel Energy (Xcel Gas or the Company) filed its *Petition for Approval of a Modification to the Natural Gas SEP Tariff, 2017 SEP Rate Factor, and 2016 SEP Compliance Filing* (Petition) in the present docket to revise the Company's natural gas State Energy Policy (SEP) Rider rates, with a proposed effective date of July 1, 2017. The Company requested to recover an annual revenue requirement of \$1,832,232 through its SEP Rider; to do so, Xcel Gas proposed to increase the natural gas SEP Rider rate from \$0.001368 per therm to \$0.002103 per therm.

Table 1 - Xcel Gas' Proposed SEP Costs and Rate Factor

	2017
(GHGI) Cast Iron (net) ¹	Forecast \$1,681,941
RA/SBG	\$10,565
Tracker Carryover	\$139,726
Total Revenue Requirement	\$1,832,232
Forecasted Therm Sales: (July 1, 2017 - June 30, 2018)	871,444,973
Proposed SEP Factor (\$/therm)	\$0.002103

On March 31, 2017, the Minnesota Department of Commerce, Division of Energy Resources (Department) filed its comments informing the Minnesota Public Utilities Commission (Commission) that the statutes authorizing use of a rider mechanism to recover the Greenhouse Gas Infrastructure (GHGI) costs (*i.e.*, Cast Iron Replacement Project) and Reliability Administrator (RA) costs were repealed.

¹ \$1,681,941 = \$1,754,251 - \$72,310 (0&M credit)

Analyst assigned: Dorothy Morrissey

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The issues in this proceeding affect only Xcel Gas, since Xcel Electric recovers RA costs in base rates; however, Xcel Gas has not filed a rate case since 2009.

Given that statutory authority for the SEP rider no longer exists, the Department recommended that the Commission:

- Discontinue the natural gas SEP Rider;
- Deny recovery of any tracker carryover under-collection;
- Allow Xcel Gas to establish a regulatory liability if the tracker carryover balance reflects an over-collection, to be returned to ratepayers through future base rates, or other authorized gas rate mechanism;
- In the event a regulatory liability is created, direct Xcel Gas to recalculate the 2016 SEP Tracker balance using non-prorated, actual ADIT amounts for historical months and to make an informational filing to report this information within 60 days after the SEP Rider charge is discontinued.

The Department acknowledged that the Commission may have discretion to continue a rider that was approved at the time statutory authority existed. The Department indicated that, should the Company provide information demonstrating statutory authority for its SEP Rider, the Department would submit responsive supplementary comments.

On April 10, 2017, Xcel Gas filed reply comments disagreeing with the Department's recommendations to eliminate the natural gas SEP Rider and to use non-prorated accumulated deferred income tax for the historical months of the tracker true-up calculation. The Company argued that the legislature intended that costs related to cast iron pipe replacement should continue to be addressed through rider recovery. Xcel Gas also argued that prior Commission approval of the SEP Rider supports its conclusion. Xcel Gas committed that no new costs will be included in the SEP Rider.

II. DEPARTMENT'S RESPONSE TO XCEL GAS REPLY COMMENTS

A. RIDER RECOVERY AUTHORIZATION

In its reply comments, Xcel Gas affirmed that the statute, Minn. Stat. § 216B.1637, which permitted use of a rider mechanism to recover Greenhouse Gas Infrastructure Costs, was repealed in the 2013 Omnibus Bill; and that the statute, Minn. Stat. 216C.052, subd. 2, which gave statutory authority to allow recovery of Reliability Administrator costs through an automatic adjustment mechanism, was repealed in May 2011

Xcel Gas' reply further stated that the repeal of Minn. Stat. § 216B.1637 arose from one of three Commission-requested amendments² to 2013 House File 1015 – the standalone Gas Utility Infrastructure Cost (GUIC) Rider bill, which passed unanimously, and was later incorporated into the 2013 Omnibus Bill. Xcel Gas referenced audio of the House Energy Policy Committee meeting on March 11, 2013, wherein the 2013 House File 1015 author

² Included as Attachment A to Xcel Reply Comments, April 10, 2017.

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explained, when asked, that the repealer included in the amendment was "repeal[ing] the existing rider, replacing it with the new one [i.e., the GUIC Rider]".³ Based upon this statement, the Company believed that the legislature did not intend to disallow rider recovery previously permitted under Minn. Stat. § 216B.1637, but rather to continue rider recovery under a new statutory provision.

The GUIC Rider legislation referred to by Xcel Gas is manifested in Minn. Stat. § 216B.1635. In addition to the SEP Rider, Xcel Gas currently has a GUIC Rider in place.⁴ If in fact the Company believes that the legislative actions intended to continue rider recovery under a new statutory provision, then it would seem that Xcel Gas would have submitted a request to transfer the GHGI costs from the SEP Rider to the GUIC Rider, which would be evaluated under that new legislation. The subject of this petition is not Xcel Gas' GUIC Rider, nor has Xcel Gas requested or provided support for transferring costs from the SEP Rider to its GUIC Rider; therefore, the Department has not evaluated whether the cast iron pipe replacement project qualifies under Minn. Stat. § 216B.1635. However, the audio explanation cited by Xcel Gas to "repeal the existing rider, replacing it with the new one" does not support the continued existence of both the SEP and the GUIC riders.

The Company also offered as support for its proposal to retain the SEP Rider that the Commission's decisions since the repeal of these statutes⁵ gave ongoing approval of Xcel Gas' SEP Rider filings. Xcel Gas concluded that this fact, when coupled with the 2013 House File 1015 legislative author's comment that the Commission requested the repeal, suggests that the Commission similarly did not intend to disallow SEP Rider recovery of the Cast Iron Pipe Replacement Project costs.

Given current circumstances, and for the reasons discussed below, the Company's arguments do not persuade the Department to change its recommendations. Regarding the Commission's approval of the subsequent SEP Rider petitions filed after the repeal of the statutes, the Department found no record discussion of the rider mechanism repeal in the Company's subsequent SEP Rider filings, Department comments or in briefing papers – the primary materials in the record from which the Commission is informed or may rely upon in making its decisions. Rather, the Company's filings continued to reference these statutes in a similar manner after repeal (shown below with emphasis added), up until its 2016 SEP Rider filing (Docket No. G002/M-16-206):

We submit this filing in accordance with the following statutory and rule provisions:

- Minn. Stat. § 16B.325 (Sustainable Building Guidelines)
- Minn. Stat. § 216B.16, Subd. 1 (Rate Change Notice)
- Minn. Stat. § 216B.1637 (Recovery of Certain Greenhouse Gas Infrastructure Costs)
- Minn. Stat. § 216B.1645, Subd. 4 (Settlement with Mdewakanton Dakota Tribal

³ See Footnote 2 on page 2 of Xcel Reply Comments, April 10, 2017.

⁴ Xcel's most recent GUIC Rider filing is pending Docket G002/M-16-891.

⁵ Minn. Stat. § 216B.1637 (in 2013) and Minn. Stat. 216C.052, subd. 2 (in 2011).

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- Council at Prairie Island)
- Minn. Stat. § 216C.052, Subd. 2 (Reliability Administrator) [Footnote]
- Minn. R. 7829.1300 (Miscellaneous Tariff Filings)
- Minn. R. 7829.0100 (Definitions)

Footnote [began in Docket No. E,G002/M-12-185] reads:

Repealed by 2011 Minn. Laws Ch. 97 § 34.

Minn. Stat. § 216C.052 was repealed pursuant to 2011 Minn. Laws Ch. 97 § 34. On July 2, 2008 in Docket No. E,G002/M-08-261, the Department filed Comments that addressed the then-expiration of **Minn. Stat. § 216C.052 subd. 3** in our 2008 SEP Petition, stating that the Company could continue to charge customers RA/SBG costs, as long as billing continued pursuant to the legislation. Similarly, in the present case, as the Company has continued to receive and pay RA/SBG invoices jointly from the Minnesota Department of Commerce and the Commission, we have included them in our proposed 2015 natural gas SEP Rider rate factor. [emphasis added]

From its review of record information, the Department concludes that the Department's comments did not recognize, and the Commission was not transparently informed, that the authority for use of a rider mechanism for recovery of these costs was repealed. Furthermore, Xcel Gas' reply comments filed in the instant proceeding provided no verifiable support or evidence of the intent of the Commission's requested bill amendment to repeal Minn. Stat. § 216B.1637.

The Company's reply comments cited only a portion the Department's comments (bolded below) issued July 2, 2008 in the 2008 SEP Rider petition (Docket No. E,G002/M-08-261) addressing an expiring assessment expense:

The OES notes that, on page 10 of its filing, Xcel states, regarding the RA/SBG costs that "while the Minnesota Legislature has only extended Minn. Stat. §216C.052, subd. 3 through June 2008, we have not made any adjustment to our proposed RA/SBG costs to reflect the sunset of that provision, because all project costs are below the \$1 million level specified by subd. 2 of Minn. Stat. §216C.052." The OES agrees that Xcel can charge customers for RA/SBG costs, but not for the reason Xcel indicates. It is immaterial whether or not project costs are below \$1 million. What matters is that Xcel has been billed for RA/SBG costs, and that Xcel may charge its customers only for the costs Xcel is billed for the RA/SBG category. When such billing ceases and Xcel has recovered from its customers the RA/SBG costs billed to Xcel, the Company should no longer charge its customers for RA/SBG costs.

Analyst assigned: Dorothy Morrissey

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The above discussion, which predates the repeal of subject statutes, relates to cost-based rates, not cost recovery mechanisms. The issue raised by the Department in this petition is not a dispute on whether or not the costs are being incurred, rather to plainly disclose to the Commission that the statutory authorization of the recovery mechanism has been repealed. Xcel Gas pointed out that the Department had recommended SEP Rider recovery even after the 2011 (and 2013) repeal of relevant statutes. As mentioned earlier, the Department found no discussion in the Company's filings, nor in the Department's corresponding comments, that demonstrate that repeal of the rider mechanism was a factor in the Commission's decisions. As provided in the Department's March 31, 2017 comments filed in this petition, the Department's analysis and recommendations were developed with the acknowledgement and implications of these repealed statutes to Xcel Gas' SEP Rider.

Further, it is the Department's understanding that no other Minnesota-jurisdictional public utility that is assessed and incurs costs for regional and national duties (a.k.a. Reliability Administrator per Xcel Gas) uses a rider mechanism to recover these costs. Moreover, Xcel Electric recovers those costs in base rates, a recovery mechanism that is available to Xcel Gas, should the Company chose to file a rate case.

With respect to the cast iron pipe replacement projects, the Company stated that the SEP Rider is recovering the revenue requirements for projects constructed and costs incurred before the statute was repealed. The Department agrees that Xcel Gas' cast iron replacement infrastructure costs were incurred prior to the repeal of the statute. However, to ensure a more complete understanding, the Department points out that the revenue requirement requested also includes expenditures being incurred since the repeal, specifically annual property taxes in the amount of \$265,460 associated with the project.

In conclusion, the Department recommends that the Commission discontinue the SEP Rider.

B. ACCUMULATED DEFERRED INCOME TAXES (ADIT) BALANCE TO USE FOR HISTORIC MONTHS

The Department has discussed the Accumulated Deferred Income Tax (ADIT) prorate issue with respect to development of rate base and revenue requirements in several dockets as outlined in Attachment 1 of the Department's initial comments. Briefly, the ADIT prorate issue pertains to rate development when using future (not historical) test years. The Department recommended that Xcel Gas use actual ADIT balances for historical months when calculating the SEP Rider Tracker and True-up.

In reply comments, Xcel Gas stated it would prefer to reflect the prorated ADIT balances in the SEP tracker until a Private Letter Ruling (PLR) is issued by the Internal Revenue Service (IRS) to prevent an IRS normalization violation. At this point, the Company does not have a ruling stipulating that using actual ADIT balances for historical months to determine actual revenue requirements for those months when conducting a true-up, and to adjust rates going forward, is a violation of IRS tax normalization rules.

Analyst assigned: Dorothy Morrissey

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The Department continues to disagree with Xcel Gas regarding the proration of ADIT balances in its SEP Rider, especially those ADIT balances that are deemed to be actual and historical for tracker and true-up purposes. In a recent PLR issued by the IRS responding to an investor-owned regulated utility request, the IRS ruled that the utility's Rider True-Up of a now-historical test period, was not subject to the ADIT proration requirement. However, the Department understands that Xcel's forthcoming PLR will address this issue. In the meantime, the Department continues to recommend that the Commission direct Xcel Gas to submit a recalculated SEP tracker balance using actual, non-prorated ADIT balances for historical months. Alternatively, the Department notes that limiting rider recovery to historical amounts would eliminate the issue of prorated ADIT.

III. PRIMARY CONCLUSIONS AND RECOMMENDATIONS

In conclusion, the statutory authority to support recovery of Xcel Gas' requested SEP costs through a rider mechanism no longer exists. Legislative records offered by Xcel Gas do not support the co-existence of the SEP Rider and the GUIC Rider. The Department found no record evidence that the Commission was transparently informed of the statutory repeal of rider recovery authorization in the subsequent SEP Riders. No other Minnesotajurisdictional utility recovers their Reliability Administrator costs through a rider mechanism. Similarly, Xcel Gas has other recovery means available to recover such costs.

The Department acknowledges that the Commission may have discretion to continue a rider that was approved at the time statutory authority existed. However, given that the statutes allowing a special cost recovery mechanism for the costs currently included in the SEP Rider no longer exist, the Department concludes that it is reasonable to similarly discontinue the SEP Rider.

The Department recommends that the Commission:

- Discontinue the Xcel Gas SEP Rider:
- Deny recovery of any tracker carryover under-collection;
- Allow Xcel Gas to establish a regulatory liability if the tracker carryover balance reflects an over-collection, to be returned to ratepayers through future base rates, or other authorized gas rate mechanism;
- In the event a regulatory liability is created, direct Xcel Gas to recalculate the 2016 SEP Tracker balance using non-prorated, actual ADIT amounts for historical months and to make an informational filing to report this information within 60 days after the SEP Rider charge is discontinued.

If the Commission decides to allow Xcel to continue using the SEP rider, despite the concerns noted above, the Department provides its alternate recommendations as Attachment A to these comments.

⁶ Internal Revenue Service PLR 201717008 released April 28, 2017.

DOC Attachment A

ALTERNATIVE ANALYSIS OF THE DETAILS WITHIN XCEL GAS' INITIAL PETITION

As stated in our primary conclusions and recommendations, the Department recommends that the SEP Rider be discontinued. In the event that the Commission decides to allow Xcel Gas' SEP Rider to continue, the Department conducted and prepared an analysis of the details within the Company's petition. The Department's discussion is presented as follows:

- Compliance with the Implementation Process Approved in Docket No. E,G002/M-03-1544 (03-1544 Order)
- Compliance with the Commission's Order in Docket No. G002/M-16-206 (Issued May 20, 2016)
- SEP Rider Rate Calculation
- Reasonableness of The Proposed Natural Gas Sep Rider Rate
- Customer Notice
- Alternative Department Recommendations

A. COMPLIANCE WITH THE IMPLEMENTATION PROCESS APPROVED IN DOCKET NO. E,G002/M-03-1544 (03-1544 ORDER)

According to the implementation process approved by the Commission in the 03-1544 Order, Xcel Gas is to submit a compliance filing by each March 1 containing the actual and forecasted information needed to determine any true-up amount to be recovered from or returned to ratepayers as a result of the operation of the SEP Rider. The Company is also required to submit a miscellaneous filing to establish new SEP Rider rates for the subsequent fiscal year, incorporating amounts anticipated to be incurred and including any true-up amounts from the operation of the SEP Rider during the current year. The Department reviewed the Petition and concludes that Xcel Gas has submitted the information required by the implementation process approved in the 2003 proceeding.

B. COMPLIANCE WITH THE COMMISSION'S ORDER IN DOCKET NO. G002/M-16-206 (ISSUED MAY 20, 2016)

Xcel Gas' Petition included a comparison between actual and budgeted monthly costs in 2016.¹ The Company stated that actual costs for the past twelve months were \$26,401 lower than forecasted and included a monthly breakout of these costs in the initial filing. The variance was primarily caused by lower actual RA assessments than projected.² The Department reviewed this data and concludes that Xcel Gas complied with the information requirement from the Commission's May 20, 2016 Order. The Department recommends that the Commission require Xcel Gas to continue this reporting requirement in future SEP Rider filings, if this rider is allowed to continue.

However, in Xcel Gas' last SEP Rider filing, Docket G002/M-16-206, when determining its forecasted revenue requirements, the Company changed how it calculated the ADIT rate base reduction and began to use the prorated ADIT method in accordance with IRS tax regulation Sec. 1.167(I). As discussed more fully below in Part D.3.b in Attachment A to these response comments, the Department recommends that the Xcel Gas use non-prorated, actual ADIT when calculating its actual revenue requirements for historical months

¹ Petition, Attachment C.

² Petition, Table 3, p. 9.

and when calculating tracker true-up and carryover balances for months that are by then historical.

C. SEP RIDER RATE CALCULATION

Table 2 below summarizes Xcel Gas' calculation of its proposed natural gas SEP Rider rate and compares it to the approved 2016 estimates.

Table 2 - Proposed Natural Gas SEP Rider Rate

Col. A Col. B Col. C Col. D (Col. B - A) (Col. C/Col. A)

Line #	Category	Approved 2016	Proposed 2017	\$ Change	% Change
1	RA/SBG Costs	\$31,557	\$10,565	(\$20,992)	(66.52%)
2	Cast Iron Pipe Costs	\$1,821,962	\$1,754,251	(\$67,711)	(3.72%)
3	Cast Iron O&M Credit	(\$72,310)	(\$72,310)	\$0	0.00%
4	Tracker True-up	(\$466,208)	\$139,726	\$605,934	(129.97%)
5	Revenue Requirement (Col. A&B: sum lines 1-4)	\$1,315,002	\$1,832,232	\$517,230	39.33%
6	Therm Sales Forecast	961,310,996	871,444,973	(\$89,866,023)	(9.35%)
7	Factor per therm (Col. A&B: line 5 / line 6)	\$0.001368	\$0.002103	\$0.000735	53.69%

As shown in Table 2, Xcel Gas proposed to increase its natural gas SEP Rider rate by 53.69 percent primarily due to a swing in the tracker balance (See Table 2, line 4, comparison of the 2016 overcollection position to the expected 2017 undercollection position). Xcel Gas explained that the actual 2016 SEP Rider collections were \$111,327 lower than forecasted³ and that lower actual sales volumes during the 12-month 2016 SEP period contributed to this revenue shortfall.⁴

Table 3 below demonstrates that, with the exception of the low 2015 rate (caused by inadvertent omission of prior year interdepartmental revenue), the proposed 2017 SEP Rider rate is fairly consistent with previous rates.

³ Petition, p. 9 and Attachment C.

⁴ Petition, p. 9.

Year	Rate per Therm	Average Annual Residential Bill Impacts*				
Proposed 2017	\$0.002103	\$1.64				
2016	\$0.001368	\$1.07				
2015	\$0.000724	\$0.56				
2014	\$0.002238	\$1.75				
2013	\$0.002736	\$2.13				
2012	\$0.002535	\$1.98				
2011	\$0.001320	\$1.03				
Average (without 2015)	\$0.002050	\$1.60				

^{*}Source: Using 780 average annual therms per G,E999/PR-17-4

The Department reviewed Xcel Gas' calculations. However for reasons discussed in the following segments, the Department recommends that Xcel Gas be required to recalculate the 2017 SEP Rider revenue requirements and factor, to incorporate all of the Department's recommendations (to use Commission authorized capital structure, the more recent return on equity, and the actual non-prorated ADIT for historical months). The Department recommends that the Commission require Xcel Gas to submit revised schedules and factor reflecting these modifications, highlighting the values that differ from the initial filing schedules.

D. REASONABLENESS OF THE PROPOSED NATURAL GAS SEP RIDER RATE

1. Energy-Related Assessments

Xcel Gas proposed to include costs associated with two energy-related assessments:

- Reliability Administrator (RA),⁵
- Sustainable Building Guidelines (SBG).⁶
 - a. Reliability Administrator

As discussed in the Department's March 31, 2017 comments,⁷ the statute authorizing recovery of this expense through a rider mechanism has been repealed, and the statute authorizing assessment for this (Minn. Stat. 216B.62, Subd. 3b) cost is set to expire June 30, 2017; however, there is currently a legislative proposal to address the assessment's sunset date. Because legislative attention is being given to this assessment and the SEP Rider is subject to a true-up, the Department does not object to Xcel Gas' inclusion of the proposed RA budget amount of \$10,565. However, should the legislature leave the current sunset of this assessment unchanged, the Department recommends that the Commission require Xcel Gas to remove the proposed RA budget costs of \$10,565 from its rate calculation for the next year.

⁵ Minnesota Statute § 216B.62, subd. 3b.

⁶ Minnesota Statute § 216B.241, subd. 1f.

⁷ Department Comments filed on March 31, 2017, pp. 4 – 6.

b. Sustainable Building Guidelines

As discussed in the Department's March 31, 2017 comments, 8 SBG costs currently fall under conservation improvement program (CIP) legislation. Though the petition and its schedule labelling suggests otherwise, Xcel Gas did not include SBG-related costs in the SEP Rider. On March 31, 2017, the Department recommended that Xcel Gas remove reference to SBG from its SEP Rider filing because SBG-related costs are assessed and recoverable under CIP. In Xcel's Reply comments, the Company agreed with the Department's recommendation.

2. Cast Iron Replacement Project (i.e., Greenhouse Gas Infrastructure(GHGI) Costs)

As discussed in the Department's March 31, 2017 comments,⁹ the statute authorizing GHGI cost recovery through a rider mechanism has been repealed.

In Docket No. E,G002/M-08-261, Xcel requested, under now repealed Minn. Stat. 216B.1637, recovery of its GHGI project costs through the SEP Rider. In its November 25, 2008 Order Accepting and Modifying Petition Regarding State Energy Policy Rider (November 25 Order), the Commission approved recovery of costs associated with Xcel Energy's replacement of the remaining cast iron gas pipe on the Company's system through the SEP Rider.

In Attachment D2 of Xcel Energy's March 1, 2017 Petition, the total forecasted revenue requirements of \$1,754,251 (unadjusted) for the Cast Iron Replacement Project are shown. Costs included in calculating the revenue requirement include return on rate base, property taxes, depreciation and income taxes. The Department discusses its recommendations pertaining to the rate base reduction (ADIT component) and return on rate base (capital structure and return on equity components).

a. Rate Base

i. ADIT Rate Base Reduction

Accumulated Deferred Income Tax (ADIT) refers to the time period difference of when reported income tax obligation is accrued as compared to when the income tax obligation is paid. Here, ADIT is caused by the difference between financial reporting depreciation and accelerated tax depreciation. The favorable accelerated depreciation for tax purposes, as compared to the reported financial depreciation expense amount, postpones tax payment. This postponed tax payment (or ADIT) is recorded as a liability (a payment expected to occur in the future). However, in the ratemaking scenario accelerated depreciation is not used to set rates; therefore a larger amount of income tax expense is being collected from ratepayers currently than the Company is paying. Consequently, ADIT is a reduction to rate

⁸ Ibid, p. 6.

⁹ Ibid, p. 4.

base since the ADIT amount has been collected from ratepayers; in other words, ADIT has been financed by ratepayers.

In Attachment G of the petition, Xcel Gas stated that it is using the Internal Revenue tax regulation Sec. 1.167(I) prorate method to determine the amount of ADIT for rate base reduction purposes. The SEP Rider revenue requirement is based upon a forecasted time period and generally, the SEP Rider rate takes effect at the beginning of the forecasted period.

The prorated ADIT issue is discussed more fully in Part D.3.b below wherein the Department disagrees with the historical months' ADIT balances used by Xcel Gas. However, for the forecasted test year in the instant petition, the Department recommends that the Commission approve Xcel Gas' proposed ADIT proration, subject to a true up calculation in the following year using actual non-prorated ADIT amounts.

b. Return on Rate Base

i. Capital Structure

Capital structure is used to determine the weighted cost of various types of capital in use in order to calculate the Company's return on rate base investments. The Department notes that Xcel Gas is not using a Commission-authorized capital structure. Capital structure is often a disputed element in ratemaking and typically rider mechanisms employ the use of a Commission-authorized capital structure, unless there is a public policy reason to use a different capital structure and rates. The Commission reviews and authorizes capital structures in utilities' general rate case and security filings. In fact, in the Company's response to the Department's information request, included as Attachment 1-R, Xcel Gas uses capital structures that were authorized in its recent rate cases for all riders with the exception of the SEP Rider.

Attachment E to the petition shows that the capital structure Xcel Gas used in the SEP Rider has varied year-to-year.

In recent gas rider docket filings, the Commission has approved use of a capital structure that was not from Xcel Gas' most recent (2009) gas base rate case, but rather the authorized capital structure from the more recent Xcel Electric base rate case. ¹⁰ In Xcel Gas' 2015 Gas Utility Infrastructure Cost Rider petition filed in Docket No. G002/M-15-808 (2015 GUIC), the Commission approved use of the capital structure authorized in Xcel's most recently decided electric rate case (Docket No. E002/GR-13-868). The 2015 GUIC Commission Order, issued August 18, 2016, stated,

The Commission is persuaded that on this record the more reasonable approach is to calculate the rate of return using a

¹⁰ See New Area Surcharge, Docket No. G002/M-14-583 and Xcel Gas Utility Infrastructure Cost Rider in Docket No. G002/M-14-336; the Commission approved use of the capital structure authorized in Xcel Energy's most recent (2013) electric base rate case which resulted in a reduced rate of return.

capital structure that has been determined based on a fullydeveloped record.

Table 4 below shows the weighted pre-tax rate of returns using the Company's proposed cost rates under the three different capital structures: (1) as proposed in SEP Rider, (2) the Commission-authorized capital structure in Xcel Gas' most recent gas base rate case, and (3) the Commission-authorized capital structure in Xcel's most recent finalized electric base rate case.

Table 4 - Capital Structure Comparisons Using Proposed SEP Rider ROE of 10.09 Percent

		2017 SEP Rider				2017 SEP Rider Gas 09-1153					53	Electric 13-868		
	Cost	Capital				Capital			Capital					
Capital	Rate	Structure	After-Tax	Pre-Tax		Structure	After-Tax	Pre-Tax	Structure	After-Tax	Pre-Tax			
Long Term Debt	4.71%	46.05%	2.169%	2.169%		46.74%	2.201%	2.201%	45.61%	2.148%	2.148%			
Short Term Debt	1.91%	1.45%	0.028%	0.028%		0.80%	0.015%	0.015%	1.89%	0.036%	0.036%			
Preferred Stock	0	0.00%	0.000%	0.000%		0.00%	0.000%	0.000%	0.00%	0.000%	0.000%			
Common Equity	10.09%	52.50%	5.297%	9.035%		52.46%	5.293%	9.028%	52.50%	5.297%	9.035%			
			7.49%	11.23%			7.51%	11.24%		7.48%	11.22%			

As shown, the pre-tax overall rate of return results are very similar. However to avoid dispute, and for administrative efficiency, the Department recommends that Xcel Gas use a Commission-authorized capital structure in determining the SEP rider return on rate base, unless Xcel's proposal is shown to be in favor of the consumer by producing a lower pre-tax weighted cost of capital. Minnesota Statutes § 216B.03 requires the Commission to set rates in a manner in which "[a]ny doubt as to reasonableness should be resolved in favor of the consumer." The Department is cognizant that capital structures across various industries may be different due to the nature of the operations. However, since Xcel Gas operations has not had a base rate case since 2009 and because the Commission decided to use more recent electric rate case authorized capital structures in recent Xcel gas riders, for consistency purposes the Department recommends that Xcel use the Commission-authorized capital structure in the most recent finalized electric rate case (Docket 13-868).

ii. Return On Equity

The originating Minn. Stat. §216B.1637 (GHGI statute), now repealed, did not have its own guidance on the return on equity to use for GHGI cost recovery; rather, the GHGI statute pointed to Minn. Stat. §216B.16, Subdivision 7b, paragraphs (b) to (d) of the transmission cost adjustment. Minn. Stat. §216B.16, Subdivision 7b, paragraph (b), part (6) states:

- (b) Upon filing by a public utility or utilities providing transmission service, the commission may approve, reject, or modify, after notice and comment, a tariff that:
- (6) allows a return on investment at the level approved in the utility's last general rate case, unless a different return is found to be consistent with the public interest;

In this petition, to calculate the overall rate of return for the SEP Rider, Xcel Gas used the return on equity (ROE) of 10.09%, authorized by the Commission Order in its most recent gas rate case (issued December 6, 2010 in Docket No. G002/GR-09-1153).

In riders, use of the ROE authorized in the most recent rate case is typical. However, Xcel Gas recently implemented a Gas Utility Infrastructure Cost recovery rider (Docket G002/M-15-808), for which the Commission had required Xcel Gas to pre-file rate of return information to allow parties the opportunity to fully vet Xcel's proposed rider rate of return. In the 2015 GUIC pre-filing, Xcel Gas stated that its last authorized 10.09 percent ROE was within the range of reasonableness. Both the Department and the Office of Attorney General - Residential Utility and Antitrust Division (OAG) provided analyses and recommended lower ROE's. The Commission reviewed party positions and decided to use a cost of equity (i.e., ROE) of 9.64 percent for purposes of the 2015 GUIC Rider calculations. The 9.64 percent was recommended by the Department, and Xcel Gas did not object in light of declining returns on equity.

In its pending 2016 GUIC petition (Docket No. G002/M-16-891), Xcel Gas proposed a 9.50 percent cost of equity which is lower than the 10.09 percent cost of equity the Company is using in this instant docket for its gas SEP Rider; the Department recommended an overall rate of return of 9.04 percent. The SEP Rider and GUIC Rider dockets cross over similar time periods and were filed within three months of each other. The SEP Rider is using the 2009 ROE value, whereas the GUIC Rider is using current market data for its ROE. Minnesota Statutes § 216B.03 requires the Commission to set rates in a manner in which:

[a]ny doubt as to reasonableness should be resolved in favor of the consumer.

Thus, if the Commission allows Xcel to continue use of the SEP, the Department recommends that the Commission set the ROE at 9.04 percent for the SEP rider, the same ROE that the Department recommended in the GUIC rider; the Department incorporates by reference its ROE analysis in the GUIC case. However, if the Commission sets a different ROE in the 2016 GUIC petition, the Department recommends that the Commission direct Xcel Gas to use the ROE authorized in G002/M-16-891.

The following Table 5 shows the weighted pre-tax rates of return using the Company's proposed debt cost rates and a 9.04 percent cost of equity rate the Department recommended in G002/M-16-891, under the three different capital structures discussed previously: (1) Xcel Gas's proposed SEP Rider capital structure, (2) the Commission-authorized capital structure in Xcel Gas's most recent gas base rate case, and (3) the Commission-authorized capital structure in Xcel Gas's most recent finalized electric base rate case.

Table 5 – Overall Rate of Return Using GUIC	Rider Proposed ROE of 9.04 Percent
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		2017 SEP Rider				Ga	s 09-115	53	Electric 13-868			
	Cost	Capital				Capital			Capital			
Capital	Rate	Structure	After-Tax	Pre-Tax		Structure	After-Tax	Pre-Tax	Structure	After-Tax	Pre-Tax	
Long Term Debt	4.71%	46.05%	2.169%	2.169%		46.74%	2.201%	2.201%	45.61%	2.148%	2.148%	
Short Term Debt	1.91%	1.45%	0.028%	0.028%		0.80%	0.015%	0.015%	1.89%	0.036%	0.036%	
Preferred Stock	0	0.00%	0.000%	0.000%		0.00%	0.000%	0.000%	0.00%	0.000%	0.000%	
Common Equity	9.04%	52.50%	4.746%	8.095%		52.46%	4.742%	8.089%	52.50%	4.746%	8.095%	
			6.94%	10.29%			6.96%	10.31%		6.93%	10.28%	

c. Cast Iron Replacement Project O&M Credit

As required by the November 25 Order, Xcel Gas included a corresponding operation and maintenance (0&M) credit for savings associated with the Cast Iron Replacement Project of \$72,310 for the 2017 SEP period. As required by the Commission's September 23, 2010 Order in Xcel Gas' 2010 SEP Rider filing,¹¹ the Company's Attachment D3 details Xcel Gas' 0&M credit, which reflects the outcome of the Company's last natural gas rate case (Docket No. G002/GR-09-1153).

3. SEP Rider Gas Tracker Report, Tracker True-Up & Balance/Carryover Amount

a. SEP Tracker Report

Xcel Gas' SEP Rider Gas Tracker Report (Attachment B) in the Company's 2017 petition eliminated two years of historical data without explanation. The Department uses information from prior years to verify Xcel Gas' tracker balance and to compare among past SEP Rider filings for consistency. For instance, in both the 2015 and 2016 SEP filings, Xcel Gas provided gas tracker actuals for the 6-month period, January 2014 through June 2014, in each of the filings. The Department observed that the tracker balance amounts reported for these same time periods differed between the 2015 and the 2016 SEP petitions' schedules and had opportunity to inquire with Xcel why there was a discrepancy. The Department recommends that Xcel Gas resume providing the historical data to maintain transparency. The Department recommends that Xcel Gas provide in reply comments a revised 2017 SEP Rider filing Gas Tracker Report (Attachment B) to include the six 12-month periods, stretching from July 2013 to June 2019, and explain any discrepancies of historical actuals reported in the 2017 Gas Tracker report as compared to the 2016 Gas Tracker report (Docket No. G002/M-16-206).

SEP Tracker True-Up and Tracker Balance & Carryover Amounts

Xcel Gas stated in its petition, and in its 2016 SEP Rider petition, that when calculating the ADIT reduction to rate base, it is using the prorate schedule, in accordance with IRS tax regulation Sec. 1.167(I), when forecast information is used to set rates. Xcel Gas stated that it applies this method to comply with the tax normalization requirements of the IRS code. The Cast Iron Replacement revenue requirement computation includes the ADIT

¹¹ Docket No. E.G002/M-10-210.

reduction to rate base by month in Attachment D2. However, Xcel's filing does not detail the calculation of the monthly ADIT prorate amount that is used in the schedule.

The Department has raised concerns in several proceedings (summarized in Attachment 1 of the Department's initial comments) of the mismatch and ratepayer harm that occurs with the prorated ADIT rate base reduction because it does not recognize the full tax amounts, which are used in developing base rates, that ratepayers have prepaid.

The prorated ADIT issue stems from recently issued Private Letter Rulings (PLRs) from the IRS. According to these PLRs, based on facts in proceedings that may be different from the facts in the instant case, the IRS is concerned that utilities may be violating tax normalization rules by passing back the benefits of accelerated depreciation (via an ADIT credit to rate base) to ratepayers too soon. IRS Section 1.167(I)(h)(6) defines the procedures a company must use to normalize the impact on rate making in a forward-looking test year if a company elects to use accelerated depreciation. This section stipulates that the monthly changes to the deferred taxes balance, as calculated by the company, must be prorated prior to computing the average of beginning and ending balances for ADIT. Xcel Energy is in the process of drafting a request to the IRS for a PLR and has involved both the Department and Commission staff.

The Department notes that there is a difference in how one can approach prorated ADIT balances in rider rate petitions as opposed to base rate setting. Riders have subsequent true-up calculations based on historical actuals, whereas rate cases do not.

First, because the current petition involves the use of a rider with forecasted figures for the 2017 SEP year (July 1, 2017 – June 30, 2018), the Department recommends that the Commission approve Xcel Gas' proposed ADIT proration for the forecasted test year. Second, for calculating SEP tracker true-up and tracker balance/carryover amounts, the Department recommends that the Commission direct Xcel Gas to use the non-prorated, actual ADIT amounts for months that are, by then, historical in time, and to use this method in this instant petition and in any future SEP Rider filings.

The Company did not use actual ADIT balances in the historical months when calculating the tracker true-up. Consequently, the Department concludes that the amount for the Cast Iron Replacement Project SEP tracker account as proposed by Xcel Gas needs to be revised to incorporate the Department's recommendations. If the Company uses actual 2016 ADIT monthly balances, the SEP Rider revenue requirement is reduced by \$3,581. The Department acknowledges that PLR's are specific to the taxpayer requesting the IRS ruling; However, in a recent PLR issued by the IRS responding to an investor-owned regulated utility request, the IRS ruled that the utility's Rider True-Up of a now-historical test period, was not subject to the ADIT proration requirement. Therefore, the Department recommends that the 2016 SEP Gas Tracker report as initially filed be rejected and be refiled using non-prorated, actual ADIT balances for historic months.

¹² See the Company's response in DOC Information Request No. 3, included as Attachment 2-R.

¹³ Internal Revenue Service PLR 201717008 released April 28, 2017.

4. Carbon Offsets

In Xcel Gas' 2008 SEP Rider proceeding, the Commission required that the Company:

- Report, in all future SEP Rider filings, the sale of any carbon offset or credit for decreased greenhouse gas emissions associated with gas pipe replacement under the Project; and
- Credit the gas SEP tracker account with any proceeds received by the Company from the sale of each carbon offset or credit associated with the Project.

In its Petition, Xcel Gas stated that the Company has not sold any carbon offsets or credits for greenhouse gas emissions associated with natural gas cast iron pipe replacement under the SEP Rider to date; consequently, there are no carbon offsets and/or credits to report, or proceeds to credit to the SEP tracker account. As Xcel Gas noted in its previous SEP Rider filings, the Company began annual reporting to the U.S. Environmental Protection Agency (EPA) of greenhouse gas emissions for all types of natural gas pipe material in September 2012. Attachment H of Xcel Gas' Petition contains the summary of their EPA report. The Department concludes that Xcel Gas' statements regarding carbon offsets and credits comply with the Commission's requirements on this issue as established in the Company's 2008 SEP Rider proceeding.

5. Relationship to Rate Cases

Attachment F to Xcel Gas' Petition is the Bridge Schedule, which shows that the Company did not include SEP revenues or expenses in its last natural gas rate case (Docket No. G002/GR-09-1153).

The Department confirmed Xcel Gas' assertion that the Company's proposed SEP rate factor includes only incremental costs not currently recovered elsewhere in rates, with the exception of SBG-related costs as discussed earlier in Part D.1.b of Attachment A.

E. CUSTOMER NOTICE

Xcel Gas proposed to implement the following bill message, effective the first month the 2017 natural gas SEP rate factor takes effect, to notify customers of the change in their monthly bills:

We have updated the Resource Adjustment line item on your bill to reflect changes in the State Energy Policy (SEP) portion of the Resource Adjustment, which recovers the costs of State energy-related mandates and greenhouse gas emissions reductions associated with the cast iron replacement program. The natural gas SEP portion of the Resource Adjustment increased to \$0.002103 per therm.

¹⁴ Petition, p. 10.

¹⁵ 40 C.F.R. Part 98, Subparts A and W. See also Petition, Footnote 10.

Xcel Gas stated it would work with Commission Staff regarding this proposed customer notice in advance of implementation.

Although Xcel Gas' proposed message is consistent with the language the Company initially proposed in its last SEP filing, the Department discovered that it is not consistent with the finalized language, as shown in Xcel's most recent natural gas SEP compliance filing. ¹⁶ The most recent language used, presumably modified after Xcel worked with Commission Staff, reads:

We have updated the Resource Adjustment line item on your bill to reflect changes in the State Energy Policy (SEP) portion of the Resource Adjustment, which recovers costs for cast iron pipe replacement and to support State energy efficiency and conservation policy. The natural gas SEP portion of the Resource Adjustment increased to \$0.00xxxx per therm.

The Department does not object to either message; rather we point this discrepancy out to the Commission. The Department understands that customer notice language is not necessarily static, and may be modified over time. Even so, the Department recommends that in future annual SEP petitions, Xcel Gas include the most recent billing message language approved by the Commission, along with any proposed modifications. This approach would improve efficiency and transparency of the proposal and would allow for conscientious evolution of bill messages as the Commission determines to be reasonable.

F. ALTERNATIVE DEPARTMENT RECOMMENDATIONS

The Department's review of the non-statutory requirements of the Company's Petition confirms that it fulfills the Commission's reporting requirements contained in the following Orders:

- Order Approving State Energy Policy Rider, as Modified in Docket No. E,G002/M-03-1544, dated April 6, 2004;
- Order Approving Modification of the Natural Gas State Energy Policy Tariff Rate, G-002/M-16-206, dated May 20, 2016; and
- Order Accepting and Modifying Petition Regarding State Energy Policy Rider in Docket No. E,G002/M-08-261, dated November 25, 2008.

If the Commission decides to continue the SEP Rider, then the Department recommends that the Commission:

- Require Xcel Gas to provide a comparison between actual and budgeted monthly
 costs in the Company's future SEP Rider filings, including a discussion of reasons
 for deviations from budgeted amounts (both higher and lower);
- Reject Xcel Gas' 2016 SEP Tracker reports as initially filed;

¹⁶ Docket No. G002/M-16-206, Compliance Filing (May 26, 2016).

- Require Xcel Gas to use non-prorated, actual ADIT balances when calculating its
 actual revenue requirements for historic months and when calculating tracker
 true-up and carryover balances in this instant petition and in any future SEP Rider
 filings;
- Permit Xcel Gas to include the proposed Reliability Administrator (RA) budget costs of \$10,565 unless the assessment expires June 30, 2017;
- Require Xcel Gas to remove reference to Sustainable Building Guidelines (SBG) from its SEP Rider filing because SBG-related costs are assessed and recoverable under CIP;
- Approve Xcel Gas' proposed ADIT proration for the forecasted test year in the instant petition, subject to a true up calculation in the following year using actual non-prorated ADIT amounts;
- Require Xcel Gas to use a Commission-authorized capital structure in determining the SEP rider return on rate base, unless Xcel's proposal is shown to be in favor of the consumer by producing a lower pre-tax weighted cost of capital;
- Require Xcel to use the Commission-authorized return on equity (ROE) for Xcel Gas in Docket G002/M-16-891; however, if that docket is not finalized prior to this instant petition's hearing, then require Xcel to use the Company-proposed 9.50 percent cost of equity filed in Docket M- G002/M-16-891 in adherence to Minn. Stat. § 216B.03;
- Require Xcel Gas to recalculate the 2017 SEP Rider revenue requirements incorporating each of the Department's recommendations; and require Xcel to file the revised schedules and factor reflecting these modifications, and to highlight the values within each schedule that changed; and
- Require Xcel Gas to include the most recent billing message language approved by the Commission, along with any proposed modifications, in future SEP Rider petitions.

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☑ Public Document	

Xcel Energy

Docket No.: G002/M-17-174

Response To: MN Department of Commerce Information Request No. 1

Requestor: Dorothy Morrissey
Date Received: March 13, 2017

Question:

Please identify all riders (both electric and gas riders) that use a capital structure different from the capital structure authorized in the Company's most recent respective gas or electric rate case, when determining the overall rate of return used in rider's revenue requirement calculation. For each rider identified, provide the basis for the capital structure used and the authority upon which the Company relies for using that basis.

Response:

The following riders use the capital structure as authorized in the last electric or natural gas rate cases (Docket Nos. E002/GR-13-868 and G002/GR-09-1153, respectively): Transmission Cost Recovery (TCR) Rider, Renewable Energy Standard (RES) Rider, and Conservation Improvement Plan (CIP) Rider – Gas.

Riders that use a different capital structure than what was authorized in the Company's most recent concluded electric or natural gas rate cases are listed below with the authority the Company relied upon for using another basis:

Natural Gas Riders

State Energy Policy (SEP) Rider: Page 5 of our Petition states, "Our calculations in this filing reflect the rate of return approved by the Commission in our last natural gas rate case." We clarify that our calculations reflect the *return on equity* approved by the Commission in our last natural gas rate case. Other components of the capital structure in the SEP petition—long- and short-term debt ratios—are based upon actuals for historical periods and budget forecast for future looking periods.

The Greenhouse Gas Infrastructure Statute under which we were originally approved to include the cast iron pipe project in the SEP rider¹ stated that it "allows a return on

¹ Minn. Stat. § 216B.1637 (repealed in 2013); Docket No. E,G002/M-08-261

investment at the level approved in the utility's last general rate case, unless a different return is found to be consistent with the public interest." The calculations in each SEP Rider proceeding subsequent to our last natural gas rate case reflected updates to the debt components of the capital structure. (Please see Attachment 1 to Information Request No. 3 for a revised Attachment E which includes the capital structure authorized in Docket No. G002/GR-09-1153.) These components have experienced a downward trend, and therefore using updated forecasts in our calculations has been a benefit to our customers. In the intervening years, the forecasted cost of capital has never exceeded what was authorized by the Commission in the rate case.

We acknowledge that we should have been clearer in our SEP Rider filings to highlight which capital structure components had been updated from what was approved in the last natural gas rate case.

Gas Utility Infrastructure Cost (GUIC) Rider: The last completed GUIC rider proceeding was in Docket No. G002/M-15-809. The Commission's August 18, 2016 Order in that docket approved the rider's capital structure as approved the Company's last concluded *electric* rate case (Docket No. E002/GR-13-868) and an ROE as recommended by the Department of Commerce in that GUIC proceeding. In our currently pending GUIC proceeding (Docket No. G002/16-891), we proposed to again use the capital structure as approved in the last concluded electric rate case, with an updated ROE to match current trends.

Electric Riders

Conservation Improvement Plan (CIP) Rider – Electric: The Commission's December 17, 2014 Order in Docket No. E002/CIP-14-287 requires the Company to modify "the carrying charge on the CIP tracker-account balance to the short-term cost of debt set in the Company's last electric rate case, E-002/GR-12-961." Our subsequent Electric CIP Rider petitions have continued to use the short-term cost of debt as approved in the referenced rate case as a result of the specificity of the Order.

Preparer: Thomas E. Kramer
Title: Principal Rate Analyst

Department: Revenue Requirements – North

Telephone: 612-330-5866 Date: March 23, 2017

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☑ Public Document

Xcel Energy

Docket No.: G002/M-17-174

Response To: MN Department of Commerce Information Request No. 3

Requestor: Dorothy Morrissey
Date Received: March 13, 2017

Question:

A. For every month that the Company used a pro-rate schedule, in accordance with IRS tax regulation Sec. 1.167(l), to calculate the accumulated deferred income tax (ADIT) amount, please recalculate the SEP Rider revenue requirement using actual non-prorated ADIT amounts for the months that are now actual/historical, and provide revised schedules including Attachments A2, B, C, D2 and D4.

B. Please clearly identify the impact of using the pro-rated ADIT and returning to actual non-prorated ADIT for prior SEP riders and current SEP rider (any rider periods impacted).

Response:

A. See Attachment 1 to this response for the revised schedules requested that reflect SEP Rider revenue requirements using actual non-prorated ADIT amounts for January 1, 2016 through December 31, 2016. The impact of using on-prorated ADIT balances results in a reduction of the 2017-2018 SEP period revenue requirements of \$3,581 (consisting of accumulated carryover tracker balance related to the 2015-2016 SEP period of \$446 and the 2016-2017 SEP period of \$3,135).

The SEP forecasted rate per therm decreases from \$0.002103 to \$0.002098. Please note that for forward looking periods, proration has been applied effective January 1, 2017.

The revised schedules requested above contained in Attachment 1 include three sections. The first section has the revised values excluding the impact of proration on 2016 actuals; the second section includes the original values as filed; and the third section is a calculation of the differences.

B. The Company first applied the ADIT pro-rate effective January 1, 2016. The impact on prior SEP periods and the current SEP period of excluding the prorate on 2016 actual periods as requested in Part A above is identified in the table below.

SEP Period	Revenue	Tracker	Total
	Requirement	Carry-Over	Impact
2015-2016	\$(446)		
2016-2017	\$(3,135)	\$(446)	\$(3,581)
2017-2018	\$0	\$(3,581)	\$(3,581)

See "Revised Attachment B" that is included in Attachment 1 to this data request. The cumulative effect of the change in revenue requirements, \$(3,581), is included in the "Carryover from Prev Yr" of the 2017 SEP period rate requested in this docket.

Preparer: Thomas E. Kramer
Title: Principal Rate Analyst

Department: Revenue Requirements – North

Telephone: 612-330-5866 Date: March 23, 2017

Docket No. G002/M-17-174 Information Request No. DOC-3 Revised Attachment A2 Page 1 of 1

Gas Rate Factor - No Prorate on 2016 Actuals (A)										
			2016		2017		2018			
	note		Approved		Forecast		Forecast			
Revenue Requirement	1	\$	1,315,002	\$	1,828,651	\$	1,639,350			
Forecasted Therms	2		961,310,996		871,444,973		851,291,853			
Gas Rate/therm	3		0.001368		0.002098		0.001926			
Implemented Rate/therm			0.001368		TBD		TBD			
Residential bill impact / Month	4	\$	0.10	\$	0.15	\$	0.14			
Residential bill impact / Year	4	\$	1.21	\$	1.85	\$	1.70			

Gas Rate Factor - As Filed (B)									
			2016		2017		2018		
	note		Approved		Forecast		Forecast		
Revenue Requirement	1	\$	1,315,002	\$	1,832,232	\$	1,638,574		
Forecasted Therms	2		961,310,996		871,444,973		851,291,853		
Gas Rate/therm	3		0.001368		0.002103		0.001925		
Implemented Rate/therm			0.001368		TBD		TBD		
Residential bill impact / Month	4	\$	0.10	\$	0.15	\$	0.14		
Residential bill impact / Year	4	\$	1.21	\$	1.86	\$	1.70		

Gas	Rate	Fac	ctor - Differenc	e (A	a) - (B)	
			2016		2017	2018
	note		Approved		Forecast	Forecast
Revenue Requirement	1	\$	-	\$	(3,581)	\$ 776
Forecasted Therms	2		-		-	-
Gas Rate/therm	3		-		(0.000005)	0.000001
Implemented Rate/therm			-		TBD	TBD
Residential bill impact / Month	4	\$	-	\$	(0.00)	\$ 0.00
Residential bill impact / Year	4	\$	-	\$	(0.00)	\$ 0.00

Notes

- (1) For 2017 and 2018, refer to Gas Tracker (Attachment B) for supporting detail. For 2016, refer to Docket No. G002/M-16-206.
- (2) For 2017 and 2018, refer to Gas Tracker Detail: Revenue Collections (Attachment D4) for supporting detail. For 2016, refer to the Commission Order in Docket No. G002/M-16-206.
- (3) 2016 rate approved in Docket No. G002/M-16-206. For 2017 and 2018, rates are forecasted.
- (4) Assumes 884 therms per year which equates to 73.67 therms per month.

					Can Tunal	No D		016 A atu	Jo (A)						
					Gas Track	ker - No P	rorate on 2	016 Actua	us (A)						
	Reference	Carryover	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Total - 15/16
RA/SBG (1)	Attachment D1	Balance	Actual	Actual	Actual \$ 12,911	Actual s -	Actual	Actual \$ 1,868	Actual S -	Actual	Actual \$ 6,454	Actual	Actual	Actual \$ 10,646	Actual \$ 31,879
Cast Iron	D2		\$ 158,756	\$ 158,341		\$ 157,513	\$ 157,098	\$ 156,684	\$ 155,484	\$ 155,090	\$ 154,696	\$ 154,302	\$ 153,908	\$ 153,515	\$ 1,873,314
Cast Iron O&M Credit	D3		\$ (6,026)	\$ (6,026)	\$ (6,026)	\$ (6,026)	\$ (6,026)	\$ (6,026)	\$ (6,026)	\$ (6,026)	\$ (6,026)	\$ (6,026)	\$ (6,026)	\$ (6,026)	\$ (72,310)
Carryover from Prev Yr (2)	\$ (1,245,117)	\$ (103,760)	\$ (103,760)	\$ (103,760)	\$ (103,760)	\$ (103,760)	\$ (103,760)	\$ (103,760)	\$ (103,760)	\$ (103,760)	\$ (103,760)	\$ (103,760)	\$ (103,760)	\$ (1,245,117)
Revenue Requirements (3) Revenue Collections (4)	D4		\$ 48,970 \$ 97,466	\$ 48,556 \$ 85,412	\$ 61,053 \$ 88,900	\$ 47,727 \$ 90,860	\$ 47,313 \$ 132,683	\$ 48,766 \$ 161,745	\$ 45,698 \$ 95,779	\$ 45,304 \$ 97,468	\$ 51,365 \$ 90,171	\$ 44,517 \$ 61,438	\$ 44,123 \$ 43,498	\$ 54,375 \$ 33,357	\$ 587,767 \$ 1,078,776
Carbon Offset Payments (5)	D4		\$ -	\$ -	\$ -	\$ -	\$ 132,063	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,076,776
Balance (6) (7)			\$ (48,495)	\$ (85,352)	\$ (113,199)	\$ (156,331)	\$ (241,701)	\$ (354,680)	\$ (404,761)	\$ (456,925)	\$ (495,731)	\$ (512,652)	\$ (512,027)	\$ (491,009)	\$ (491,009)
	Reference	Carryover	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Total - 16/17
	Attachment	Balance	Actual	Actual	Actual	Actual	Actual	Actual	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Act/Forecast
RA/SBG (1)	D1		\$ -	\$ -	\$ 10,336	s -	\$ -	\$ (16,871)	s -	ş -	\$ 1,805	ş -	ş -	\$ 2,978	\$ (1,752)
Cast Iron Cast Iron O&M Credit	D2 D3		\$ 153,121 \$ (6,026)	\$ 152,727 \$ (6,026)		\$ 151,940 \$ (6,026)	\$ 151,546 \$ (6,026)	\$ 151,152 \$ (6,026)	\$ 150,485 \$ (6,026)	\$ 150,122 \$ (6,026)	\$ 149,766 \$ (6,026)	\$ 149,419 \$ (6,026)	\$ 149,080 \$ (6,026)	\$ 148,750 \$ (6,026)	\$ 1,810,442 \$ (72,310)
Carryover from Prev Yr (\$ (491,009)	\$ (40,917)	\$ (40,917)	\$ (40,917)	\$ (40,917)	\$ (40,917)	\$ (40,917)	\$ (40,917)	\$ (40,917)	\$ (40,917)	\$ (40,917)	\$ (40,917)	\$ (40,917)	\$ (491,009)
Revenue Requirements (3)			\$ 106,178	\$ 105,784	\$ 115,726	\$ 104,996	\$ 104,603	\$ 87,338	\$ 103,542	\$ 103,178	\$ 104,628	\$ 102,476	\$ 102,137	\$ 104,785	\$ 1,245,371
Revenue Collections (4)	D4		\$ 53,363	\$ 72,224	\$ 46,484	\$ 55,752	\$ 81,501	\$ 126,152	\$ 184,411	\$ 153,554	\$ 138,209	\$ 84,497	\$ 63,303	\$ 49,777	\$ 1,109,227
Carbon Offset Payments (5)			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Balance (6) (7)			\$ 52,815	\$ 86,375	\$ 155,618	\$ 204,862	\$ 227,964	\$ 189,150	\$ 108,282	\$ 57,905	\$ 24,324	\$ 42,303	\$ 81,137	\$ 136,144	\$ 136,144
	Reference	Carryover	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Total - 17/18
	Attachment	Balance	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
RA/SBG (1)	D1		s -	\$ -	\$ 2,891	s -	\$ -	\$ 2,891	\$ -	\$ -	\$ 1,805	\$ -	ş -	\$ 2,978	\$ 10,565
Cast Iron Cast Iron O&M Credit	D2 D3		\$ 148,429 \$ (6,026)	\$ 148,116 \$ (6,026)	ųy	\$ 147,516 \$ (6,026)	\$ 147,229	\$ 146,950 \$ (6,026)	\$ 145,828 \$ (6,026)	\$ 145,147 \$ (6,026)	\$ 144,803 \$ (6,026)	\$ 144,467 \$ (6,026)	\$ 144,138 \$ (6,026)	\$ 143,816 \$ (6,026)	\$ 1,754,251 \$ (72,310)
Cast Iron O&M Credit Carryover from Prev Yr (\$ 136,144	\$ (6,026) \$ 11,345	\$ (6,026) \$ 11,345	\$ (6,026) \$ 11,345	\$ (6,026) \$ 11,345	\$ (6,026) \$ 11,345	\$ (6,026) \$ 11,345	\$ (6,026) \$ 11,345	\$ (6,026) \$ 11,345	\$ (6,026) \$ 11,345	\$ (6,026) \$ 11,345	\$ (6,026) \$ 11,345	\$ (6,026) \$ 11,345	\$ (/2,310) \$ 136,144
Revenue Requirements (3)		,,,,,,,,,,	\$ 153,748	\$ 153,435	\$ 156,022	\$ 152,835	\$ 152,548	\$ 155,161	\$ 151,148	\$ 150,467	\$ 151,928	\$ 149,786	\$ 149,457	\$ 152,113	\$ 1,828,651
Revenue Collections (4)	D4		\$ 87,722	\$ 74,516	\$ 70,838	\$ 114,551	\$ 177,597	\$ 265,825	\$ 282,231	\$ 236,357	\$ 213,772	\$ 132,378	\$ 96,649	\$ 75,854	\$ 1,828,292
Carbon Offset Payments (5)		-	ş -	ş -	s -	\$ -	\$ -	ş -	ş -	ş -	ş -	\$ -	\$ -	ş -	\$ -
Balance (6) (7)			\$ 66,027	\$ 144,946	\$ 230,130	\$ 268,414	\$ 243,365	\$ 132,701	\$ 1,617	\$ (84,273)	\$ (146,117)	\$ (128,708)	\$ (75,900)	\$ 359	\$ 359
	Reference	Carryover	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Total - 18/19
	Attachment	Balance	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
RA/SBG (1)	D1		\$ -	s -	\$ 2,891	ş -	s -	\$ 2,891	ş -	s -	\$ 1,805	s -	\$ -	\$ 2,978	\$ 10,565
Cast Iron	D2		\$ 143,502	\$ 143,195		\$ 142,605	\$ 142,321	\$ 142,044	\$ 141,783	\$ 141,145	\$ 140,804	\$ 140,471	\$ 140,144	\$ 139,825	\$ 1,700,735
Cast Iron O&M Credit Carryover from Prev Yr (D3	\$ 359	\$ (6,026) \$ 30	\$ (6,026) \$ 30	\$ (6,026) \$ 30	\$ (6,026) \$ 30	\$ (6,026) \$ 30	\$ (6,026) \$ 30	\$ (6,026) \$ 30	\$ (6,026) \$ 30	\$ (6,026) \$ 30	\$ (6,026) \$ 30	\$ (6,026) \$ 30	\$ (6,026) \$ 30	\$ (72,310) \$ 359
Revenue Requirements (3)		\$ 339	\$ 137,506	\$ 137,199	\$ 139,791	\$ 136,609	\$ 136,325	\$ 138,940	\$ 135,787	\$ 135,149	\$ 136,614	\$ 134,475	\$ 134,148	\$ 136,807	\$ 1,639,350
Revenue Collections (4)	D4		\$ 84,834	\$ 67,138	\$ 71,217	\$ 92,391	\$ 160,197	\$ 233,903	\$ 254,554	\$ 213,664	\$ 189,475	\$ 119,486	\$ 85,512	\$ 67,218	\$ 1,639,588
Carbon Offset Payments (5)			ş -	ş -	ş -	ş -	ş -	ş -	ş -	ş -	ş -	ş -	ş -	ş -	\$ -
Balance (6) (7)			\$ 52,672	\$ 122,734	\$ 191,308	\$ 235,526	\$ 211,654	\$ 116,691	\$ (2,076)	\$ (80,591)	\$ (133,452)	\$ (118,463)	\$ (69,827)	\$ (238)	\$ (238)
						C T 1-	A . E.	1 (D)							
			1145	4 17			er - As File		I. 16	P.1.46	West	4-16	W. W	1.16	T 1 17/10
	Reference Attachment	Carryover Balance	Jul-15 Actual	Aug-15 Actual	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16 Actual	Feb-16	Mar-16 Actual	Apr-16	May-16	Jun-16 Actual	Total - 15/16 Actual
RA/SBG (1)	Reference Attachment	Carryover Balance	Jul-15 Actual	Aug-15 Actual					Jan-16 Actual	Feb-16 Actual	Actual	Apr-16 Actual	May-16 Actual	Jun-16 Actual \$ 10,646	Total - 15/16 Actual \$ 31,879
RA/SBG (1) Cast Iron	Attachment		-		Sep-15 Actual \$ 12,911	Oct-15	Nov-15	Dec-15 Actual	Actual					Actual	Actual
Cast Iron Cast Iron O&M Credit	Attachment D1 D2 D3	Balance	Actual \$ - \$ 158,756 \$ (6,026)	Actual \$ - \$ 158,341 \$ (6,026)	Sep-15 Actual \$ 12,911 \$ 157,927 \$ (6,026)	Oct-15 Actual \$ - \$ 157,513 \$ (6,026)	Nov-15 Actual \$ - \$ 157,098 \$ (6,026)	Dec-15 Actual \$ 1,868 \$ 156,684 \$ (6,026)	Actual \$ - \$ 155,488 \$ (6,026)	Actual \$ - \$ 155,109 \$ (6,026)	Actual \$ 6,454 \$ 154,740 \$ (6,026)	Actual \$ - \$ 154,381 \$ (6,026)	Actual \$ - \$ 154,031 \$ (6,026)	Actual \$ 10,646 \$ 153,691 \$ (6,026)	Actual \$ 31,879 \$ 1,873,761 \$ (72,310)
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Attachment D1 D2 D3		Actual \$ - \$ 158,756 \$ (6,026) \$ (103,760)	**Actual	Sep-15 Actual \$ 12,911 \$ 157,927 \$ (6,026) \$ (103,760)	Oct-15 Actual \$ - \$ 157,513 \$ (6,026) \$ (103,760)	Nov-15 Actual \$ - \$ 157,098 \$ (6,026) \$ (103,760)	Dec-15 Actual \$ 1,868 \$ 156,684 \$ (6,026) \$ (103,760)	Actual \$ - \$ 155,488 \$ (6,026) \$ (103,760)	**Actual	Actual \$ 6,454 \$ 154,740 \$ (6,026) \$ (103,760)	**Xetual \$ - \$ 154,381 \$ (6,026) \$ (103,760)	Actual \$ - \$ 154,031 \$ (6,026) \$ (103,760)	Actual \$ 10,646 \$ 153,691 \$ (6,026) \$ (103,760)	Actual \$ 31,879 \$ 1,873,761 \$ (72,310) \$ (1,245,117)
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (3) Revenue Requirements (3)	Attachment D1 D2 D3	Balance	Actual \$ - \$ 158,756 \$ (6,026) \$ (103,760) \$ 48,970	**Xctual	Sep-15 Actual \$ 12,911 \$ 157,927 \$ (6,026) \$ (103,760) \$ 61,053	Oct-15 Actual \$ - \$ 157,513 \$ (6,026) \$ (103,760) \$ 47,727	Nov-15 Actual \$ - \$ 157,098 \$ (6,026) \$ (103,760) \$ 47,313	Dec-15 Actual \$ 1,868 \$ 156,684 \$ (6,026) \$ (103,760) \$ 48,766	Actual \$ - \$ 155,488 \$ (6,026) \$ (103,760) \$ 45,703	**Actual	Actual \$ 6,454 \$ 154,740 \$ (6,026) \$ (103,760) \$ 51,409	**Actual	Actual \$ - \$ 154,031 \$ (6,026) \$ (103,760) \$ 44,246	Actual \$ 10,646 \$ 153,691 \$ (6,026) \$ (103,760) \$ 54,552	Actual \$ 31,879 \$ 1,873,761 \$ (72,310) \$ (1,245,117) \$ 588,213
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Attachment D1 D2 D3	Balance	Actual \$ - \$ 158,756 \$ (6,026) \$ (103,760)	**Actual	Sep-15 Actual \$ 12,911 \$ 157,927 \$ (6,026) \$ (103,760)	Oct-15 Actual \$ - \$ 157,513 \$ (6,026) \$ (103,760)	Nov-15 Actual \$ - \$ 157,098 \$ (6,026) \$ (103,760)	Dec-15 Actual \$ 1,868 \$ 156,684 \$ (6,026) \$ (103,760)	Actual \$ - \$ 155,488 \$ (6,026) \$ (103,760)	**Actual	Actual \$ 6,454 \$ 154,740 \$ (6,026) \$ (103,760)	**Xetual \$ - \$ 154,381 \$ (6,026) \$ (103,760)	Actual \$ - \$ 154,031 \$ (6,026) \$ (103,760)	Actual \$ 10,646 \$ 153,691 \$ (6,026) \$ (103,760)	Actual \$ 31,879 \$ 1,873,761 \$ (72,310) \$ (1,245,117)
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4)	Attachment D1 D2 D3	Balance	Actual \$ - \$ 158,756 \$ (6,026) \$ (103,760) \$ 48,970 \$ 97,466	**Xctual	Sep-15 Actual \$ 12,911 \$ 157,927 \$ (6,026) \$ (103,760) \$ 61,053	Oct-15 Actual \$ - \$ 157,513 \$ (6,026) \$ (103,760) \$ 47,727	Nov-15 Actual \$ - \$ 157,098 \$ (6,026) \$ (103,760) \$ 47,313	Dec-15 Actual \$ 1,868 \$ 156,684 \$ (6,026) \$ (103,760) \$ 48,766	Actual \$ - \$ 155,488 \$ (6,026) \$ (103,760) \$ 45,703	**Actual	Actual \$ 6,454 \$ 154,740 \$ (6,026) \$ (103,760) \$ 51,409	**Actual	Actual \$ - \$ 154,031 \$ (6,026) \$ (103,760) \$ 44,246	Actual \$ 10,646 \$ 153,691 \$ (6,026) \$ (103,760) \$ 54,552	Actual \$ 31,879 \$ 1,873,761 \$ (72,310) \$ (1,245,117) \$ 588,213
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (: Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5)	Attachment D1 D2 D3	Balance	Actual \$ - \$ 158,756 \$ (6,026) \$ (103,760) \$ 48,970 \$ 97,466 \$ -	**Xctual** \$ \$ 158,341 \$ (6,026) \$ (103,760) \$ 48,556 \$ 85,412 \$	Sep-15 Actual \$ 12,911 \$ 157,927 \$ (6,026) \$ (103,760) \$ 61,053 \$ 88,900 \$ -	Oct-15 Actual \$ - \$ 157,513 \$ (6,026) \$ (103,760) \$ 47,727 \$ 90,860 \$ -	Nov-15 Actual \$ - \$ 157,098 \$ (6,026) \$ (103,760) \$ 47,313 \$ 132,683 \$ -	Dec-15 Actual \$ 1,868 \$ 156,684 \$ (6,026) \$ (103,760) \$ 48,766 \$ 161,745 \$	Actual \$ - \$ 155,488 \$ (6,026) \$ (103,760) \$ 45,703 \$ 95,779 \$ -	Actual \$ - \$ 155,109 \$ (6,026) \$ (103,760) \$ 45,324 \$ 97,468 \$ -	**Xctual \$ 6,454 \$ 154,740 \$ (6,026) \$ (103,760) \$ 51,409 \$ 90,171 \$ -	Actual \$ - \$ 154,381 \$ (6,026) \$ (103,760) \$ 44,595 \$ 61,438 \$ -	Actual \$ - \$ 154,031 \$ (6,026) \$ (103,760) \$ 44,246 \$ 43,498 \$ -	Actual \$ 10,646 \$ 153,691 \$ (6,026) \$ (103,760) \$ 54,552 \$ 33,357 \$ -	Actual \$ 31,879 \$ 1,873,761 \$ (72,310) \$ (1,245,117) \$ 588,213 \$ 1,078,776 \$ -
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7)	Attachment D1 D2 D3 2) D4 Reference Attachment	Balance \$ (1,245,117)	**Actual	**Xetual	Sep-15 Actual \$ 12,911 \$ 157,927 \$ (6,026) \$ (103,760) \$ 61,053 \$ 88,900 \$ - \$ (113,199) Sep-16 Actual	Oct-15 Actual \$ - \$ 157,513 \$ (6,026) \$ (103,760) \$ 47,727 \$ 90,860 \$ - \$ (156,331)	Nov-15 Actual \$ - \$ 157,098 \$ (6,026) \$ (103,760) \$ 47,313 \$ 132,683 \$ (241,701)	Dec-15 Actual \$ 1,868 \$ 156,684 \$ (6,026) \$ (103,760) \$ 48,766 \$ 161,745 \$ - \$ (354,680) Dec-16 Actual	Actual \$ 155,488 \$ (6,026) \$ (103,760) \$ 45,703 \$ 95,779 \$ - \$ (404,756) Jan-17 Forecast	Actual \$ - \$ 155,109 \$ (6,026) \$ (103,760) \$ 45,324 \$ 97,468 \$ - \$ (456,900)	Actual \$ 6,454 \$ 154,740 \$ (6,026) \$ (103,760) \$ 51,409 \$ 90,171 \$ - \$ (495,662) Mar-17 Forecast	Actual \$ \$ 154,381 \$ (6,026) \$ (103,760) \$ 44,595 \$ 61,438 \$ \$ (512,505)	**Xetual	Actual \$ 10,646 \$ 153,691 \$ (6,026) \$ (103,760) \$ 54,552 \$ 33,357 \$ - \$ (490,563) Jun-17 Forecast	**Xetual \$ 31,879 \$ 1,873,761 \$ (72,310) \$ (1,245,117) \$ 588,213 \$ 1,078,776 \$ - \$ (490,563) **Total - 16/17 Act/Forecast**
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1)	Attachment D1 D2 D3 D4 Reference Attachment D1	Balance \$ (1,245,117)	Actual \$ -5 \$ 158,756 \$ (6,026) \$ (103,760) \$ 48,970 \$ 97,466 \$ (48,495) Jul-16 Actual \$ -	Actual \$ 1.58,341 \$ (6,026) \$ (103,760) \$ 48,556 \$ 85,412 \$ \$ (85,352) \$ Aug-16 Actual \$ \$ - \$	Sep-15 Actual \$ 12,911 \$ 157,927 \$ (6,026) \$ (103,760) \$ 61,053 \$ 88,90 \$ (113,199) Sep-16 Actual \$ 10,336	Oct-15 Actual \$ - \$ 157,513 \$ (6,026) \$ (103,760) \$ 47,727 \$ 90,860 \$ - \$ (156,331) Oct-16 Actual \$ -	Nov-15 Actual \$ - \$ 157,098 \$ (6,026) \$ (103,760) \$ 47,313 \$ 132,683 \$ (241,701) Nov-16 Actual \$ -	Dec-15 Actual \$ 1,868 \$ 156,684 \$ (6,026) \$ (103,760) \$ 48,766 \$ - \$ (354,680) Dec-16 Actual \$ (16,871)	Actual \$ 155,488 \$ (6,026) \$ (103,760) \$ 45,703 \$ 95,779 \$ (404,756) Jan-17 Forecast \$	Actual \$	Actual \$ 6,454 \$ 154,740 \$ (6,026) \$ (103,760) \$ 51,409 \$ 90,171 \$ - \$ (495,662) Mar-17 Forecast \$ 1,805	Actual \$ 1.54,381 \$ (6,026) \$ (103,760) \$ 44,595 \$ 61,438 \$. \$ (512,505) Apr-17 Forecast \$.	Actual \$ -5 \$ 154,031 \$ (6,026) \$ (103,760) \$ 44,246 \$ 43,498 \$ -5 \$ (511,757) May-17 Forecast \$ -	Actual \$ 10,646 \$ 153,691 \$ (6,026) \$ (103,760) \$ 54,552 \$ 33,357 \$ - \$ (490,563) Jun-17 Forecast \$ 2,978	**Xetual
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron	Attachment D1 D2 D3 2) D4 Reference Attachment	Balance \$ (1,245,117)	Actual \$ \$ 158,756 \$ (6,026) \$ (103,760) \$ 48,970 \$ 97,466 \$ \$ (48,495) Jul-16 Actual \$ \$ 153,362	Actual \$ 1.58,341 \$ (6,026) \$ (10,3760) \$ 48,556 \$ 85,412 \$ \$ (85,352) \$ Aug-16 Actual \$ - \$ 1.53,042 \$ 1.53,042 \$ 1.53,042 \$ 1.53,042 \$ \$ 1.53,042 \$ \$ \$ \$ \$ \$ \$ \$ \$	Sep-15 Actual \$ 12,911 \$ 157,927 \$ (6,026) \$ (103,760) \$ (103,760) \$ \$. \$ (113,199) \$ Sep-16 Actual \$ 10,336 \$ 152,732	Oct-15 Actual \$ 157,513 \$ (6,026) \$ (103,760) \$ 47,727 \$ 90,860 \$ - \$ (156,331) Oct-16 Actual \$ - \$ 152,432	Nov-15	Dec-15 Actual \$ 1,868 \$ 1,6684 \$ (6,026) \$ (103,760) \$ 48,766 \$ 11,745 \$ (354,680) Dec-16 Actual \$ (16,871) \$ 151,862	Actual \$	Actual \$	Actual \$ 6,454 \$ 154,740 \$ (6,026) \$ (103,760) \$ 90,171 \$ - \$ (495,662) Mar-17 Forecast \$ 1,805 \$ 149,766	Actual \$ \$ 154,381 \$ (6,026) \$ (103,760) \$ 44,595 \$ 61,438 \$ \$ (512,505) Apr-17 Forecast \$ \$ 149,419	Actual \$	Actual \$ 10,646 \$ 153,691 \$ (6,026) \$ (6,026) \$ 54,552 \$ 33,357 \$ \$ (490,563) \$ Jun-17 Forecast \$ 2,978 \$ 148,750	**S
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1)	Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3	Balance \$ (1,245,117)	Actual \$ -5 \$ 158,756 \$ (6,026) \$ (103,760) \$ 48,970 \$ 97,466 \$ (48,495) Jul-16 Actual \$ -	Actual \$ 1.58,341 \$ (6,026) \$ (103,760) \$ 48,556 \$ 85,412 \$ \$ (85,352) \$ Aug-16 Actual \$ \$ - \$	Sep-15 Actual \$ 12,911 \$ 157,927 \$ (6,026) \$ (103,760) \$ 61,053 \$ 88,90 \$ (113,199) Sep-16 Actual \$ 10,336	Oct-15 Actual \$ - \$ 157,513 \$ (6,026) \$ (103,760) \$ 47,727 \$ 90,860 \$ - \$ (156,331) Oct-16 Actual \$ -	Nov-15 Actual \$ - \$ 157,098 \$ (6,026) \$ (103,760) \$ 47,313 \$ 132,683 \$ (241,701) Nov-16 Actual \$ -	Dec-15 Actual \$ 1,868 \$ 156,684 \$ (6,026) \$ (103,760) \$ 48,766 \$ - \$ (354,680) Dec-16 Actual \$ (16,871)	Actual \$ 155,488 \$ (6,026) \$ (103,760) \$ 45,703 \$ 95,779 \$ (404,756) Jan-17 Forecast \$	Actual \$	Actual \$ 6,454 \$ 154,740 \$ (6,026) \$ (103,760) \$ 51,409 \$ 90,171 \$ - \$ (495,662) Mar-17 Forecast \$ 1,805	Actual \$	Actual \$ -5 \$ 154,031 \$ (6,026) \$ (103,760) \$ 44,246 \$ 43,498 \$ -5 \$ (511,757) May-17 Forecast \$ -	Actual \$ 10,646 \$ 153,691 \$ (6,026) \$ (103,760) \$ 54,552 \$ 33,357 \$ - \$ (490,563) Jun-17 Forecast \$ 2,978	**Xetual
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3)	Attachment D1 D2 D3 D4 D4 Reference Attachment D1 D2 D3 D3	Balance \$ (1,245,117) Carryover Balance	Actual	Ketual	Sep-15 Actual \$ 129,11 \$ 157,927 \$ (60,026) \$ (103,700) \$ (103,700) \$ (103,700) \$ Sep-16 Actual Sep-16 Actual \$ 19,336 \$ 152,732 \$ (60,026) \$ (40,800) \$ 116,162 \$ 116,860 \$ 1116,162	Oct-15 Actual \$ \$ 157,513 \$ (6)26) \$ (103,760) \$ 47,727 \$ 90,860 \$ (156,331) Oct-16 Actual \$ 152,432 \$ (6,026) \$ 152,432 \$ (6,026) \$ 140,880) \$ 105,535	Nov-15 Actual \$ 157,098 \$ (6)26) \$ (103,700) \$ \$ 47,313 \$ \$ \$ 2,2683 \$ (241,701) Nov-16 Actual \$ \$ 152,142 \$ (6)260 \$ \$ (6)260 \$ \$ (6)260 \$ \$ (6)2080	Dec-15 Actual 1,868 \$ 156,684 \$ (6,026) \$ (103,760) \$ (103,760) \$ (16,745) \$ - \$ (354,680) Dec-16 Actual \$ (16,871) \$ 151,862 \$ (6,026) \$ (40,880) \$ 8,0885 \$ 8,0885	Actual \$ - 48.5 \$ - 5.488 \$ - 6.026 \$ - (103,760) \$ - 45,703 \$ - 95,779 \$ - (404,756) Jan-17 Forecast \$ - 5 \$ - 150,869 \$ 5 - (40,80) \$ 103,963 \$ 103,963	Actual S -109 S -109 S -109 S -109 S -100,000 S -100,00	Actual S 6,454 S 6,454 S 6,454 S 6,026 S 103,760 S 51,409 S 90,171 S	Actual \$ - 8 \$ 154,381 \$ (6,026) \$ (103,760) \$ 44,595 \$ 614,38 \$ - 8 \$ (512,505) Apr-17 Forecast \$ - 9 \$ (40,80) \$ (40,820) \$ (40,820) \$ 102,513	Return R	Actual \$ 10,646 \$ 153,691 \$ (6,026) \$ (103,700) \$ 54,552 \$ 33,357 \$ - \$ (490,563) \$ Jun-17 Forecast \$ 2,978 \$ 148,750 \$ (6,026) \$ (6,026) \$ (6,026) \$ 104,822 \$ \$ 104,822	Actual \$ 31,879 \$ 1,873,761 \$ (72,510) \$ (1,245,117) \$ (1,245,117) \$ 588,213 \$ 1,978,776 \$ (490,563) Total - 16/17 Act/Forecast \$ (1,752) \$ 1,813,577 \$ (72,310) \$ (490,563) \$ 1,248,953
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Collections (4)	Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3	Balance \$ (1,245,117) Carryover Balance	Actual	K-tual S	Sep-15 Actual \$ 12,911 \$ 157,927 \$ (6,026) \$ (103,700) \$ 61,053 \$ 88,900 \$ (113,199) Sep-16 Actual \$ 10,336 \$ 152,732 \$ (6,026) \$ (40,880) \$ (Oct-15 Actual \$ 157,513 \$ (6,026) \$ 47,722 \$ 90,860 \$ \$ (103,70) \$ Oct-16 Actual \$ \$ \$ (5,026) \$ (40,800) \$ (40,800) \$ (40,800)	Nov-15 Actual \$ 157,098 \$ (6,026) \$ (6,026) \$ (47,313) \$ 132,683 \$ - \$ \$ (241,701) Nov-16 Actual \$ (5,026) \$ (40,260) \$ (40,880) \$ (40,880) \$ (40,880)	Dec-15 Actual \$ 1,868 \$ 156,684 \$ (6,026) \$ (103,760) \$ 48,766 \$ 5 161,74 \$ (354,680) Dec-16 Actual \$ (16,871) \$ (15,862) \$ (40,880) \$ (40,880)	Actual \$	Actual \$	Actual \$ 6,454 \$ 154,740 \$ (103,760) \$ 5,409 \$ 90,171 \$ \$ -	Actual \$ 154,381 \$ (6,026) \$ (103,760) \$ 44,595 \$ 61,438 \$ - \$ (512,505) Apr-17 Forecast \$ - \$ 149,419 \$ (6,026) \$ (40,880)	Return S	Actual \$ 10,646 \$ 153,691 \$ (60,26) \$ (103,760) \$ 54,552 \$ 33,357 \$ - \$ (490,563) \$ Jun-17 Forecast \$ 2,978 \$ 148,750 \$ (60,26) \$ (60,26) \$ (40,880)	**Sex. **Actual** \$ 31,879
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5)	Attachment D1 D2 D3 D4 D4 Reference Attachment D1 D2 D3 D3	Balance \$ (1,245,117) Carryover Balance	Actual	K-tual S 158,341	Sep-15 Actual \$ 12,911 \$ 157,927 \$ (60,26) \$ (103,760) \$ (103,760) \$ (103,760) \$ (133,199) Sep-16 Actual \$ (103,760) \$ (103,7	Oct-15 Actual \$ \$ 157,513 \$ (103,760) \$ (40,826) \$ (103,760) \$ 47,727 \$ 90,860 \$ -	Nov-15 Actual \$ 157,098 \$ 157,098 \$ (100,700) \$ (6,026) \$ (100,700) \$ 47,513 \$ (241,701) Nov-16 Actual \$ 152,142 \$ (6,026) \$ (6,026) \$ (6,026) \$ (40,880) \$ 105,236 \$ (40,880) \$ 105,236 \$ (40,880) \$ 105,236 \$ (40,880) \$ 105,236	Dec-15 Actual \$ 1,868 \$ 1,868 \$ 1,868 \$ 1,868 \$ 1,868 \$ 1,868 \$ 1,868 \$ 161,745 \$ - \$ \$ (354,680) Dec-16 Actual \$ (16,871) \$ 151,862 \$ (60,26) \$ (60,26) \$ (60,26) \$ (60,26) \$ (60,26) \$ (80,26) \$	Actual S 155,488 S (6,026) S (103,760) S 45,703 S 5,779 S (404,756) S (404,756) S (6,026) S (6,026) S (6,026) S (40,880) S 103,903 S 103,903 S 103,903 S 184,411 S 144,411 S	Actual S 105,000	K-tual S	Actual \$ 154,381 \$ (6,026) \$ (103,760) \$ (X-tual	Actual \$ 10,646 \$ 153,691 \$ 153,691 \$ (6,026) \$ (103,760) \$ 54,552 \$ 33,357 \$ \$ - \$ (490,563) \$ 10,872 \$ (490,663) \$ (40,820) \$ (40,820) \$ (40,820) \$ 104,822 \$ 49,777 \$ \$ - \$	Actual
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Collections (4)	Attachment D1 D2 D3 D4 D4 Reference Attachment D1 D2 D3 D3	Balance \$ (1,245,117) Carryover Balance	Actual	K-tual S	Sep-15 Actual \$ 12,911 \$ 157,927 \$ (6,026) \$ (103,700) \$ 61,053 \$ 88,900 \$ (113,199) Sep-16 Actual \$ 10,336 \$ 152,732 \$ (6,026) \$ (40,880) \$ (Oct-15 Actual \$ \$ 157,513 \$ (6)26) \$ (103,760) \$ 47,727 \$ 90,860 \$ (156,331) Oct-16 Actual \$ 152,432 \$ (6,026) \$ 152,432 \$ (6,026) \$ 140,880) \$ 105,535	Nov-15 Actual \$ 157,098 \$ (6)26) \$ (103,700) \$ \$ 47,313 \$ \$ \$ 2,2683 \$ (241,701) Nov-16 Actual \$ \$ 152,142 \$ (6)260 \$ \$ (6)260 \$ \$ (6)260 \$ \$ (6)2080	Dec-15 Actual 1,868 \$ 156,684 \$ (6,026) \$ (103,760) \$ (103,760) \$ (16,745) \$ - \$ (354,680) Dec-16 Actual \$ (16,871) \$ 151,862 \$ (6,026) \$ (40,880) \$ 8,0885 \$ 8,0885	Actual \$ - 48.5 \$ - 5.488 \$ - 6.026 \$ - (103,760) \$ - 45,703 \$ - 95,779 \$ - (404,756) Jan-17 Forecast \$ - 5 \$ - 150,869 \$ 5 - (40,80) \$ 103,963 \$ 103,963	Actual S -109 S -109 S -109 S -109 S -100,000 S -100,00	Actual S 6,454 S 6,454 S 6,454 S 6,026 S 103,760 S 51,409 S 90,171 S	Actual \$ - 8 \$ 154,381 \$ (6,026) \$ (103,760) \$ 44,595 \$ 614,38 \$ - 8 \$ (512,505) Apr-17 Forecast \$ - 9 \$ (40,80) \$ (40,820) \$ (40,820) \$ 102,513	Return R	Actual \$ 10,646 \$ 153,691 \$ (6,026) \$ (103,700) \$ 54,552 \$ 33,357 \$ - \$ (490,563) \$ Jun-17 Forecast \$ 2,978 \$ 148,750 \$ (6,026) \$ (6,026) \$ (6,026) \$ 104,822 \$ \$ 104,822	Actual \$ 31,879 \$ 1,873,761 \$ (72,510) \$ (1,245,117) \$ (1,245,117) \$ 588,213 \$ 1,978,776 \$ (490,563) Total - 16/17 Act/Forecast \$ (1,752) \$ 1,813,577 \$ (72,310) \$ (490,563) \$ 1,248,953
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5)	Attachment D1 D2 D3 D3 2) D4 Reference Attachment D1 D2 D3 D3 D4 Reference	Balance \$ (1,245,117) Carryover Balance \$ (490,563)	Actual	Actual	Sep-15 Actual \$ 12,911 \$ 157,927 \$ (6,026) \$ (103,760) \$ (103,760) \$ (103,760) \$ (113,199) Sep-16 Actual \$ (103,760) \$ (103,760) \$ (6,026) \$ (40,880) \$ (116,162) \$ (46,881) \$	Oct-15 Actual \$ 157,513 \$ 157,513 \$ (103,760) \$ 47,727 \$ 90,860 \$	Nov-15 Actual \$	Dec-15 Actual \$ 1,868 \$ 156,684 \$ 156,684 \$ (103,760) \$ 48,766 \$ 101,745 \$.5 .5 \$ (354,680) Dec-16 Actual \$ (16,871) \$ 151,862 \$ (6,926) \$ (40,880) \$ 88,085 \$ 12,125 Dec-17	Actual \$ \$ 155,488 \$ (6,026) \$ (103,760) \$ (103,760) \$ (103,760) \$ \$ (404,756) \$ \$ (404,756) \$ \$ (404,756) \$ \$ (5,026) \$ \$ (60,280) \$ (103,963) \$ (103	Actual S 155,109	K-tual \$ 6,454 \$ 154,740 \$ 103,760 \$ 1013,760 \$ 90,171 \$ - \$ (495,662) Mar-17 \$ 1,805 \$ 1,905 \$ (402,662) \$ (4	Actual \$ \$ 154,381 \$ (60,26) \$ \$ 144,595 \$ 61,438 \$ \$. \$ 5 \$. \$ \$ (512,505) \$ Apr-17 Forecast \$ 5 (40,820) \$ 102,513 \$ 64,927 \$ 5 (40,820) \$ 102,513 \$ 64,927 \$ 5 . \$ 45,810 \$ Apr-18	K-tual	Actual \$ 10,646 \$ 133,691 \$ (6,026) \$ (103,760) \$ (103,760) \$ 5 45,552 \$ 33,357 \$ - \$ (490,63) \$ (490,63) \$ (490,63) \$ (490,63) \$ (400,80) \$ (6,026) \$ (6,02	Actual \$ 1,873,76 \$ 1,879,76 \$ 1,873,76 \$ (2,341) \$ (2,341) \$ 5 (2,341) \$ 5 (4,377) \$ 5 (490,563) \$ (490,563) \$ (4752)
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Gollections (4) Carbon Offset Payments (5) Balance (6) (7)	Attachment D1 D2 D3 D3 2) D4 Reference Attachment D1 D2 D3 2)	Balance \$ (1,245,117) Carryover Balance \$ (490,563)	Actual S -	Actual S 158,341 S (6,026) S (103,760) S (103,760) S (48,556 S 85,412 S (85,352 Actual S (85,352 S (40,880) S (40,880) S (40,880 S	Sep-15	Oct-15 Actual \$ 157,513 \$ 157,513 \$ (6,020) \$ (103,760) \$ 47,727 \$ (156,331) Oct-16 Actual \$ 154,432 \$ (40,880) \$ (40,880) \$ (50,526) \$ (5	Nov-15 Actual \$ (15,0726) \$ (103,760) \$ (103,760) \$ (241,701) Nov-16 Actual \$ (241,701) \$ (40,880) \$ (40,880) \$ (40,880) \$ (50,236) \$ (40,880) \$ (50,236	Dec-15	Actual \$ \$ 155,488 \$ (6,026) \$ (103,760) \$	Actual S	K-tual S	Actual \$ \$ 154,381 \$ (6,026) \$ (103,760) \$ \$ (103,760) \$ \$ 61,438 \$ \$ \$ (512,50) \$ \$ (512,50) \$ \$ (512,50) \$ \$ (512,50) \$ \$ (60,026) \$ \$ (40,880) \$ \$ (60,026) \$ \$ (40,880) \$ \$ (512,513) \$ \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ (512,513) \$ \$ \$ (512,513) \$ \$	K-tual	Actual \$ 10,646 \$ 135,601 \$ (6,026) \$ (103,760) \$ (103,760) \$ (103,760) \$ (103,760) \$ 5 (400,563) \$ -5 (400,563) \$ Jun-17 Forecast \$ 2,978 \$ 148,750 \$ (6,026) \$ (6,026) \$ (40,820) \$ 104,822 \$ 49,777 \$ -5 139,726	Actual S Actual S S Actual
Cast Iron Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7)	Attachment D1 D2 D3 D3 2) D4 Reference Attachment D1 D2 D3 D4 Reference Attachment D1 D4	Balance \$ (1,245,117) Carryover Balance \$ (490,563)	Actual S 158,756	Actual \$ \$ 158,341 \$ \$ (6,026) \$ 48,556 \$ 85,412 \$ \$ \$ \$ \$ \$ \$ \$ \$	Sep-15 Actual \$ 12911 \$ 157,927 \$ (40,26) \$ (103,76) \$ 6,1053 \$ 88,900 \$ 7. \$ (113,99) Sep-16 Actual Actual \$ 10,356 \$ 152,732 \$ (60,26) \$ (40,880) \$ (40,880) \$ 116,162 \$ 46,484 \$ 7. \$ 156,683 Sep-17 Ferecast \$ 2,891	Oct-15 Actual \$ 15,512a \$ (103,760) \$ (47,727) \$ (15,633) Oct-16 Actual \$ (156,432) \$ (40,880) \$ (40,880) \$ (56,526) \$ (40,880) \$ (56,432) \$ (56,432) \$ (56,432) \$ (56,432) \$ (40,880) \$ (56,432) \$ (40,880) \$ (56,432)	Nov-15 Actual \$ 175,098 5 (103,760) 5 (103,760) 5 (103,760) 5 (132,68) 5 (241,701)	Dec-15 Actual \$ 1,868 \$ 156,684 \$ 156,684 \$ (103,760) \$ 48,766 \$ (103,760) \$ 48,766 \$ (354,680) Dec-16 Actual \$ (16,871) \$ 151,862 \$ (60,26) \$ (60,26) \$ (60,26) \$ (40,880) \$ 88,085 \$ 126,152 \$ 122,125 Dec-17 Forecast \$ 2,891	Actual S 155,488 6,026 S (103,760 S 95,779 S (404,756) S 55,779 S (404,756) S (50,26) S (50,26) S (50,26) S (50,36) S (103,963 S 103,963 S 111,677 S 111,677 Jan-18 Forecast S Forecast S (40,880 S 103,963 S (40,880 S (40,880	Actual S 155,109	Actual \$ 6,454 \$ 6,454 \$ 6,454 \$ 154,740 \$ 16,026 \$ 103,760 \$ 90,171 \$ \$ - \$ \$ \$ (495,662 \$ 1,805 \$ 149,766 \$ (60,800 \$ 104,665 \$ 104,665 \$ 104,665 \$ 138,209 \$ \$ 1 \$ 138,209 \$ \$ \$ 27,794 \$ Mar-18 Forecast \$ 1,805 \$ 17,994 \$ 17,99	Actual \$ \$ 154,381 \$ (6,026) \$ \$ (103,760) \$ \$ 44,595 \$ \$ 61,438 \$ \$ \$. \$ \$ (512,505) \$ Apr-17 Forecast \$ \$. \$ \$ (40,880) \$ 102,513 \$ \$ (40,880) \$ 102,513 \$ \$ 84,497 \$ \$. \$ 45,810 \$ Apr-18 Forecast \$. \$. \$. \$. \$. \$. \$. \$. \$. \$	Netual S	Actual \$ 10,646 \$ 133,691 \$ (6,026) \$ (103,760) \$ (6,026) \$ (103,760) \$ (103,7	Actual \$ 1,873,76 \$ 1,873,76 \$ (2,310) \$ (2,310) \$ (2,310) \$ (3,310) \$ (490,563) Total - 16/17 \$ (490,563) \$ (470,230) \$ (490,563)
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron	Attachment D1 D2 D3 D3 2) D4 Reference Attachment D1 D2 D3 2)	Balance \$ (1,245,117) Carryover Balance \$ (490,563)	N-tual S 158,756 S (6,026) S 48,970 S 48,4950 S (48,495) Ul-16 A-tual S (5,026) S (56,026) S (40,806) S (33,363) S (33,363) S Ul-17 Forecast S 148,429 S 148,429	Actual \$ \$ \$ \$ \$ \$ \$ \$ \$	Sep-15	Oct-15 Actual \$ 15-513 \$ (6,020) \$ (105,760) \$ 47,727 \$ (105,760) \$ Oct-16 Actual \$ (6,026) \$ (7,026) \$ (Nov-15 Actual \$ \$ 157,098 \$ (60,026) \$ (103,760) \$ 47,313 \$ 152,484 \$ (241,701) \$ (441,701) \$ (441,701) \$ (441,701) \$ (441,800) \$ (40,880) \$ (40,880) \$ (81,501) \$ (20,026) \$ (81,501) \$ (20,0126) \$ (Dec-15 Actual \$ 1,868 \$ 156,684 \$ 165,684 \$ 161,745 \$ (103,760) \$ 488,766 \$ 5 161,745 \$. Dec-16 Actual \$ (16,871) \$ (16	Actual S 155,488 G(0,26) S 45,703 S 95,779 S (404,756) S (404,756) S (50,26) S (60,26) S (40,880) S (103,963) S (1	Actual S 155,109	K-tual 5	Actual \$ \$ 154,381 \$ (6,026) \$ \$ 144,595 \$ 6 (6,1438 \$ 7 \$ 6,026) \$ 7 \$ 6,026 \$ 7 \$ 7 \$ 6,026 \$ 7 \$ 7 \$ 6,026 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$	K-tual S 1-54,035	Actual \$ 10,646 \$ 153,661 \$ (6,026) \$ (6,026) \$ 54,552 \$ 33,357 \$. \$ (490,563) \$ Jun-17 Forecast \$ 148,750 \$ (6,026) \$ 104,820 \$ 49,777 \$. \$ 139,726 \$ Jun-18 Forecast \$ 2,978 \$ 139,726 \$. \$ 139,726 \$. \$ 139,726 \$. \$ 139,726 \$. \$ 143,816 \$. \$ 143,8	Actual \$ 1,873,76 \$ 1,873,76 \$ 1,873,76 \$ (2,2410), \$ 588,213 \$ 1,978,776 \$ 582,13 \$ 1,978,776 \$ (490,563), \$ (4752), \$ 1,752,776 \$ (22,310), \$ 1,248,953 \$ 1,109,227 \$ 10,247,247,247,247,247,247,247,247,247,247
Cast Iron Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Cast Iron Cast Iron O&M Credit Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (5)	Attachment D1 D2 D3 D3 D4 Reference Attachment D1 D2 D3 D4 Reference Attachment D1 D2 D3 D4 Reference D1 D2 D3 D4 D4 D4 Reference D1 D2 D3 D4	Balance \$ (1,245,117) Carryover Balance \$ (490,563)	N-tual S 158,756 S (6,026) S 48,970 S 48,4950 S (48,495) Ul-16 A-tual S (5,026) S (56,026) S (40,806) S (33,363) S (33,363) S Ul-17 Forecast S 148,429 S 148,429	Actual S 158,341 S (6,026) S 48,536 S 88,412 S (85,352) Aug-16 Actual S (35,362) S (40,800) S 106,136 S 72,224 S 87,005 Aug-17 Forecast S 148,116	Sep-15	Oct-15 Actual \$ 15-513 \$ (6,020) \$ (105,760) \$ 47,727 \$ (105,760) \$ Oct-16 Actual \$ (6,026) \$ (7,026) \$ (Nov-15 Actual \$	Dec-15 Actual \$ 1,868 \$ 156,684 \$ 165,684 \$ 161,745 \$ (103,760) \$ 488,766 \$ 5 161,745 \$. Dec-16 Actual \$ (16,871) \$ (16	Actual S 155,488 G(0,26) S 45,703 S 95,779 S (404,756) S (404,756) S (50,26) S (60,26) S (40,880) S (103,963) S (1	Actual S 155,109	K-tual S G-454 S 154,740 S G-454 S G-454 S G-454 S G-454	Actual \$ \$ 154,381 \$ (6,026) \$ \$ 144,595 \$ 6 (6,1438 \$ 7 \$ 6,026) \$ 7 \$ 6,026 \$ 7 \$ 7 \$ 6,026 \$ 7 \$ 7 \$ 6,026 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$	K-tual S 1-54,035	Actual \$ 10,646 \$ 153,661 \$ (6,026) \$ (103,760) \$ 54,552 \$ 33,357 \$. \$ (490,563) \$ Jun-17 Forecast \$ 148,750 \$ (6,026) \$ 104,822 \$ 49,777 \$. \$ 139,726 \$ Jun-18 Forecast \$ 2,978 \$ 139,726 \$. \$ 139	Actual \$ 1,873,76 \$ 1,873,76 \$ 1,873,76 \$ (2,2410), \$ 588,213 \$ 1,978,776 \$ 582,13 \$ 1,978,776 \$ (490,563), \$ (4752), \$ 1,752,776 \$ (22,310), \$ 1,248,953 \$ 1,109,227 \$ 10,247,247,247,247,247,247,247,247,247,247
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (7) Cast Iron Cast Iron O&M Credit Cast Iron Cast Iron O&M Credit Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (7) Revenue Requirements (3)	Attachment D1 D2 D3 D3 2) D4 Reference Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 D3 D4	S (1,245,117) Carryover Balance \$ (490,563)	Natural S 158,760	Actual S 158,341	Sep-15	Oct-15 Actual \$ 15-153 \$ 157-153 \$ (5,026) \$ (103,760) \$ 47,727 \$ 90,800 \$ 00,026) \$ (15,331) Oct-16 Actual \$ 15,3432 \$ (6,026) \$ (40,880) \$ (40,880) \$ (5,026) \$ 55,752 \$ 00,026	Nov-15 Actual \$	Dec-15	Actual S 155,488 6(0,026) S 45,703 S 95,779 S (404,756) S 150,860 S 160,800 S 160,	Actual S 155,109	K-tual S	Actual S 154,381	K-tual S 154,031	Actual \$ 10,646 \$ 153,640 \$ 153,640 \$ 5 45,525 \$ 33,357 \$ (490,563) \$ (490,563) \$ 5 (40,880) \$ 5	Actual
Cast Iron Cast Iron O&M Credit Catryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Collections (4) Revenue Collections (5) Revenue Requirements (3) Revenue Requirements (3)	Attachment D1 D2 D3 D3 D4 Reference Attachment D1 D2 D3 D4 Reference Attachment D1 D2 D3 D4 Reference D1 D2 D3 D4 D4 D4 Reference D1 D2 D3 D4	S (1,245,117) Carryover Balance \$ (490,563)	Natural S 158,756	Actual \$ 158,341 \$ (0,026) \$ 48,556 \$ 48,556 \$ 85,412 \$ (85,352) \$ (85,352) \$ (80,26) \$ (10,136 \$ (72,224 \$	Sep-15 Actual Actual S 12911 S 157,927 S (6,026) S (4026) S (103,760) S - (13,199) Sep-16 Actual S 10,336 S 152,732 S (6,026) S (40,880) S 116,162 S 46,084 S - S S 156,683 Sep-17 Forecast Forecast Forecast S 2,891 S 147,812 S (6,026) S (113,199)	Oct-15 Actual \$ \$ 157,513 \$ (0,020) \$ (103,760) \$ 47,727 \$ 90,860 \$ \$ 152,432 \$ 152,432 \$ (6,026) \$ (6,026) \$ 2 (40,880) \$ 105,526 \$ 206,457	Nov-15 Actual \$ \$ 157,098 \$ (60,26) \$ (103,760) \$ 47,313 \$ 132,683 \$. (241,701) Nov-16 Actual \$ 152,142 \$ (60,26) \$ (40,880) \$ 105,236 \$ (40,880) \$ 105,236 \$ (40,880) \$ 105,236 \$ (41,880) \$ 105,236 \$ (41,880) \$ 107,236 \$ 11,422 \$ 147,229 \$ 147,229 \$ 147,229 \$ 11,47,229 \$ 11,642 \$ 11,642	Dec-15 Actual Actual Actual S 1,868 S 156,684 S (103,706) S 48,766 S (103,706) Dec-16 Actual S (16,871) S 151,862 S (40,880) S 88,085 S 126,152 S 122,125 Dec-17 Forecast S 124,550 S 146,550 S 146,550 S 146,550 S 146,550	Actual S 155,488 G,026 S 45,703 S 95,779 S (404,756) S (404,756) S (404,756) S (405,026) S (404,756) S (405,026) S	Actual \$ \$ \$ \$ \$ \$ \$ \$ \$ Feb-17 Forecast \$ \$ \$ \$ \$ \$ \$ \$ \$ Feb-18 Forecast \$ \$.	K-tual S G-454 S 154,740 S G-454 S G-454 S G-454 S G-454	Actual \$ \$ 154,381 \$ (6,026) \$ \$ 144,595 \$ 6 (41,438 \$ 6,026) \$ 7 Forecast \$ 5 (40,826) \$ 102,513 \$ 84,497 \$ 7 \$ 12,513 \$ 84,497 \$ 7 \$ 12,513 \$ 84,497 \$ 12,513 \$ 84,497 \$ 12,513 \$ 12,513 \$ 13,514 \$ 12,513 \$ 13,514 \$ 14,467 \$ 13,511 \$ 14,467 \$ 14,	K-tual S 1-54,031	Actual \$ 10,646 \$ 153,661 \$ (6,026) \$ 54,552 \$ 33,357 \$ - \$ (490,563) \$ Jun-17 Forecast \$ 2,978 \$ 148,750 \$ (6,026) \$ 104,822 \$ 49,777 \$ - \$ 139,726 \$ 139,726 \$ 139,726 \$ 143,816 \$ 5 2,978 \$ 143,816 \$ 143,816 \$ 143,816 \$ 143,816 \$ 11,644 \$ 11,642 \$ 11,644 \$ 11,642 \$ 11,644 \$ 11,642 \$ 11,644	Actual \$ 1,873,679 \$ 1,873,676 \$ (2,310) \$ 5 (2,310) \$ 5 (4,90,563) \$ 1,078,776 \$ 5 (490,563) \$ 1,175,27 \$ (20,310) \$ 1,175,27 \$ (20,310) \$ 1,175,27 \$ (20,310) \$ 1,175,27 \$ (20,310) \$ 1,175,27 \$ (20,310) \$ 1,175,27 \$ (20,310) \$ 1,175,27 \$ (20,310) \$ 1,175,27 \$ 1,175,27 \$ (20,310) \$ 1,175,27 \$ 1,175,
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (7) Cast Iron Cast Iron O&M Credit Cast Iron Cast Iron O&M Credit Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (7) Revenue Requirements (3)	Attachment D1 D2 D3 D3 2) D4 Reference Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 D3 D4	S (1,245,117) Carryover Balance \$ (490,563)	Natural S 158,760	Actual S 158,341	Sep-15	Oct-15 Actual \$ 15-153 \$ 157-153 \$ (5,026) \$ (103,760) \$ 47,727 \$ 90,800 \$ 00,026) \$ (15,331) Oct-16 Actual \$ 15,3432 \$ (6,026) \$ (40,880) \$ (40,880) \$ (5,026) \$ 55,752 \$ 00,026	Nov-15 Actual \$	Dec-15	Actual S 155,488 6(0,026) S 45,703 S 95,779 S (404,756) S 150,860 S 160,800 S 160,	Actual S 155,109	K-tual S	Actual S 154,381	K-tual S 154,031	Actual \$ 10,646 \$ 153,640 \$ 153,640 \$ 5 45,525 \$ 33,357 \$ (490,563) \$ (490,563) \$ 5 (40,880) \$ 5	Actual
Cast Iron Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Collections (4) Carbon Offset Payments (5) Ra/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5)	Attachment D1 D2 D3 D3 2) D4 Reference Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 D3 D4	S (1,245,117) Carryover Balance \$ (490,563)	Natural	Natural S 158,341 S (0,026) S 48,556 S 88,412 S (85,352) Actual S (35,362) S (36,26) S (37,224 S (37,224 S (37,241 S (3	Sep-15	Oct-15 Actual \$ 15-513 \$ 15-513 \$ (50,020) \$ (47,727 \$ 90,000 \$ 47,727 \$ 90,000 \$ (156,316 \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (50,026) \$	Nov-15 Actual \$ 5 6,026 \$ (441,701) Nov-16 Actual \$ 7,028 \$ (441,701) Nov-17 Forecast \$ 2290,192 Nov-17 Forecast \$ 11,644 \$ 152,847 \$ 11,52,847 \$ 11,50,21	Dec-15 Actual \$ 1,868 \$ 156,684 \$ 156,684 \$ 161,745 \$ (103,760) \$ 488,766 \$ 5 161,745 \$. (354,680) Dec-16 Actual \$ (16,871) \$ (46,871) \$ (40,880) \$ 151,862 \$ (6,026) \$ (40,880) \$ 126,152 \$ 180,852 \$ 126,152 Dec-17 Forecast \$ 192,125 Dec-17 Forecast \$ 1,864 \$ 11,644 \$ 11,544 \$ 11,544 \$ 15,460 \$ 266,459 \$ 5	Actual S 155,488 S (6,026) S 45,703 S 75,779 S (404,756) S 150,869 S (6,026) S (40,88) S 103,963 S 143,963 S 151,644 S 11,644 S 11,644 S 11,644 S 151,446 S 151,446 S 151,446 S 5 22,944 S 5 22,944 S 5 22,944 S 5 22,944 S 1,000 S 20,000	Actual S 155,109	K-tual S G-454	Actual \$ \$ 154,381 \$ (6,026) \$ \$ 44,595 \$ 6 (61,28) \$ \$ -4,595 \$ 6 (1,438 \$ 5 (512,505) \$ 6 (1,438 \$ 6 (1,438 \$ 1,438	K-tual S 1-54,031	Actual \$ 10,646 \$ 153,661 \$ (6,026) \$ 54,552 \$ 333,357 \$. \$ (490,563) \$ 54,552 \$ 334,357 \$. \$ (490,563) \$ 148,750 \$ (6,026) \$ 148,750 \$ (6,026) \$ 193,726 \$. \$ 139,726 \$. \$ 139,726 \$. \$ 139,726 \$. \$ 139,726 \$. \$ 139,726 \$. \$ 139,726 \$. \$ 139,726 \$. \$ 139,726 \$. \$ 139,726 \$. \$ 139,726 \$. \$ 139,726 \$. \$ 1,044 \$. \$ 12,412 \$. \$ 1,644 \$. \$ 15,412 \$. \$ 76,035 \$. \$. \$. \$. \$. \$. \$. \$. \$. \$	Actual \$ 1,879 \$ 1,873 \$ 1,879 \$ 1,873,76 \$ (2,340) \$ (2,340) \$ 5 (2,340) \$ 1,978,776 \$ 5 (490,563) \$ 1,978,776 \$ (490,563) \$ 1,978,776 \$ (2,340) \$ 1,978,776 \$ (2,340) \$ 1,978,776 \$ (2,340) \$ 1,978,776 \$ (2,340) \$ 1,972,776 \$ 1,972,776 \$ (2,340) \$ 1,972,776 \$
Cast Iron Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Collections (4) Carbon Offset Payments (5) Ra/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5)	Attachment D1 D2 D3 D3 2) D4 Reference Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 D4 Reference Attachment D1 D2 D3 D4 Reference Attachment D1 D2 D3 D4	Balance \$ (1,245,117) Carryover Balance \$ (490,563) Carryover Balance \$ 139,726	Natural S 158,756	Actual S 158,341 S (6,026) S 48,556 S 88,412 S (85,352) Actual S (50,26) S (85,352) Aug-16 Actual S (30,26) S (30,26) S (40,830) S (106,136 S 72,224 S (77,224 S (77,24 S (77,	Sep-15 Actual Actual Sep-16 1053 Sep-16 Actual Sep-16 Actual Sep-16 Sep-17 Forecast Sep-18	Oct-15 Actual \$ \$ 15,513 \$ (6,020) \$ (103,760) \$ (105,760) \$ 9,840 \$ (105,310) Oct-16 Actual \$ (156,321) \$ (40,880) \$ (40,880) \$ (40,880) \$ (50,126) \$ (40,880) \$ (50,126) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (50,126) \$ (50,126) \$ (60,126) \$ (50,126) \$ (60,126) \$ (11,444) \$ (11,444) \$ (11,4424) \$ (11,444) \$ (11,444) \$ (11,444) \$ (11,444) \$ (11,444) \$ (11,444) \$ (11,4	Nov-15 Actual \$	Dec-15 Actual \$ 1,868 \$ 156,684 \$ 156,684 \$ 161,745 \$ (103,760) \$ 488,766 Actual \$ (16,871) \$ (354,680) Dec-16 Actual \$ (16,871) \$ (40,880) \$ (40,880) \$ 126,152 \$ 5 -2 \$ 126,152 Dec-17 Forecast \$ 2,891 \$ 192,125 Dec-17 Forecast \$ 1,802 \$ 11,644 \$ 15,646 \$ 11,644 \$ 15,646 \$ 26,459 \$ 26,459 \$ 132,606 Dec-18	Actual S 155,488 G(0,26) S 45,703 S 95,779 S (404,756) S (404,756) S (40,808) S	Actual S 1.55, 1.09	K-tual S G-454	Actual \$ \$ 154,381 \$ (6,026) \$ \$ 144,595 \$ 6 (6,126) \$ \$ 44,595 \$ 6 (6,1438 \$ 5 \$ 6,026) \$ \$ 102,513 \$ 8 44,97 \$ 6 (6,026) \$ \$ 102,513 \$ 8 44,97 \$ 6 (6,026) \$ 102,513 \$ 8 44,97 \$ 6 (6,026) \$ 102,513 \$ 8 44,97 \$ 6 (6,026) \$ 12,513 \$ 102,	K-tual S 1-54,035	Actual \$ 10,646 \$ 153,661 \$ (6,026) \$ (103,760) \$ 54,552 \$ 333,557 \$ - \$ (490,563) \$ Jun-17 Forecast \$ 2,978 \$ 148,750 \$ (6,026) \$ 104,822 \$ 49,777 \$ - \$ 139,726 \$ (40,820) \$ 104,822 \$ 49,777 \$ - \$ 139,726 \$ (40,820) \$ 139,726 \$ 139,726 \$ (40,820) \$ 139,726 \$ 139,726 \$ 139,726 \$ 139,726 \$ 139,726 \$ 139,726 \$ 139,726 \$ 139,726 \$ 139,726 \$ 139,726 \$ 139,726 \$ 139,726 \$ 139,726 \$ 143,816 \$ (6,026) \$ 11,644 \$ 15,116 \$ 11,644 \$ 11,644 \$ 15,116 \$ 11,644 \$ 11,644 \$ 15,116 \$ 11,644 \$	Actual \$ 1,873,67 \$ 1,873,76 \$ (2,310) \$ (22,310) \$ (22,310) \$ 588,213 \$ 1,278,776 \$ (490,563) Total - 16/17 Act/Forecast \$ (490,563) \$ 1,248,953 \$ 1,109,227 \$ (2310) \$ 1,109,227 \$ 1,209,227
Cast Iron Cast Iron Cast Iron O&M Credit Catryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3)) Revenue Requirements (3) Revenue Requirements (5) Radance (6) (7)	Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 2)	S (1,245,117) Carryover Balance \$ (490,563) Carryover Balance \$ 139,726	Actual	Actual \$ \$ 158,341 \$ (6,026) \$ 48,556 \$ 85,412 \$ (85,352) \$ 40,806 \$ (85,352) \$ (85,352) \$ (85,352) \$ (85,352) \$ (85,352) \$ (85,352) \$ (85,352) \$ (40,808) (40,808) \$ (40,808) (40,808) \$ (40	Sep-15 Actual Actual State Sta	Oct-15 Actual \$ 15-513 \$ (50,5026) \$ (103,760) \$ 90,860 \$ 90,860 \$ (156,331) Oct-16 Actual \$ (156,332) Oct-16 Actual \$ (40,880) \$ 105,526 \$ (50,026) \$ (40,880) \$ 105,526 \$ (50,026) \$ (40,880) \$ 105,526 \$ (50,026) \$ (40,880) \$ 116,526 \$ (50,026) \$ (40,880) \$ 116,526 \$ (50,026) \$ (40,880) \$ (11,644) \$ (11,	Nov-15 Actual \$ 157,098 \$ (002,760) \$ (103,760) \$ (103,760) \$ (241,701) Nov-16 Actual \$ (241,701) Nov-16 Actual \$ (40,880) \$ (40,8	Dec-15	Actual S 155,488 G,026 S 45,703 S 95,779 S (404,756) S 50,869 S (60,26) S (11,647) S 111,677 Jan-18 Forecast S 5 5 5 5 5 5 5 5 5	Actual S 1.55, 1.09	Actual \$ (4,05)	Actual \$ \$ 154,381 \$ (6,026) \$ \$ 144,595 \$ 6,0426 \$ \$ \$. \$ \$ (512,505) \$ Apr-17 Forecast \$ \$ (512,505) \$ 149,419 \$ (6,026) \$ \$ 102,513 \$ \$ (40,880) \$ 102,513 \$ \$ 45,810 \$ Apr-18 Forecast \$ \$. \$ \$ 44,467 \$ \$. \$ \$ (6,026) \$ \$ 11,644 \$ \$ 150,085 \$ \$ 11,644 \$ \$ 150,085 \$ \$ 112,693 \$ \$ \$ 11,644 \$ \$ 150,085 \$ \$ 112,693 \$ \$ \$ 122,670) \$ \$ 122,670	Actual S 154,031	Actual \$ 10,646 \$ 135,661 \$ (6,026) \$ 54,552 \$ 33,357 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Actual \$ 31,879 \$ 1,873,761 \$ (2,351) \$ (2,351) \$ (2,351) \$ (490,563)
Cast Iron Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Collections (4) Carbon Offset Payments (5) Ra/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5)	Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 D4	Balance \$ (1,245,117) Carryover Balance \$ (490,563) Carryover Balance \$ 139,726	Natural S 158,756	Actual \$ 158,341 \$ (6,026) \$ 48,556 \$ 48,556 \$ 48,556 \$ 6,5352 Actual \$ (6,026) \$ (6,026) \$ (6,026) \$ (7,026)	Sep-15 Actual S 129:11 S 157:927 S (6,026) S (103,760) S (103,60) S (10	Oct-15 Actual \$ \$ 15,513 \$ (6,020) \$ (103,760) \$ (105,760) \$ 9,840 \$ (105,310) Oct-16 Actual \$ (156,321) \$ (40,880) \$ (40,880) \$ (40,880) \$ (50,126) \$ (40,880) \$ (50,126) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (50,126) \$ (50,126) \$ (60,126) \$ (50,126) \$ (60,126) \$ (11,444) \$ (11,444) \$ (11,4424) \$ (11,444) \$ (11,444) \$ (11,444) \$ (11,444) \$ (11,444) \$ (11,444) \$ (11,4	Nov-15 Actual \$	Dec-15 Actual \$ 1,868 \$ 156,684 \$ 156,684 \$ 161,745 \$ (103,760) \$ 488,766 Actual \$ (16,871) \$ (354,680) Dec-16 Actual \$ (16,871) \$ (40,880) \$ (40,880) \$ 126,152 \$ 5 -2 \$ 126,152 Dec-17 Forecast \$ 2,891 \$ 192,125 Dec-17 Forecast \$ 1,802 \$ 11,644 \$ 15,646 \$ 11,644 \$ 15,646 \$ 26,459 \$ 26,459 \$ 132,606 Dec-18	Actual S 155,488 G,026 S 45,703 S 95,779 S (404,756) S (404,756) S (40,80) S (40,80	Actual S 1.55, 1.09	Actual S	Actual \$ \$ 154,381 \$ (6,026) \$ \$ (143.85) \$ \$ (512,505) \$ Apr-17 Forecast \$ \$ (512,505) \$ (512,505) \$ (512,505) \$ (512,505) \$ \$ (40,88) \$ (102,513) \$ (40,88) \$ (102,513) \$ (40,88) \$ (102,513) \$ (40,88) \$ (102,513) \$ (40,88) \$ (102,513) \$ (40,88) \$ (102,513) \$ (40,88) \$ (102,513) \$ (40,88) \$ (40,98) \$ (40,	X-tual S S 154,031 S (6,026) S 44,246 S 43,498 S (511,757) Way-17 Forecast S (40,880 S (40,626)	Actual \$ 10,646 \$ 153,661 \$ (6,026) \$ 54,552 \$ 333,357 \$. \$ (490,563) \$ 54,552 \$ 333,357 \$. \$ (490,563) \$ 148,750 \$ (6,026) \$ 104,822 \$ 49,777 \$. \$ 139,726 \$ 139,726 \$. \$ 15,726 \$. \$ 15,726 \$. \$ 15,726 \$. \$ 15,726 \$. \$ 15,726 \$. \$ 15,726 \$. \$ 15,726 \$. \$ 15,726 \$. \$ 15,726 \$. \$ 15,726 \$. \$ 15,726 \$. \$ 15,726 \$. \$ 15,726 \$. \$ 11,644 \$. \$ 152,412 \$. \$ 11,644 \$.	Actual S Actual S S 1,873,76 S 1,873,76 S (2,23.10) S (2,23.10) S (2,23.10) S (2,23.10) S (4,00.563) S
Cast Iron Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7)	Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 2)	Balance \$ (1,245,117) Carryover Balance \$ (490,563) Carryover Balance \$ 139,726	Natural S 158,756 S (6,026) S 48,970 S 74,66 S (48,495) Jul-16 Actual S 153,362 S (48,895) S 156,362 S (50,026) S 106,456 S 33,363 S 53,003 Jul-17 Forecast S 148,429 S 148,429 S 148,429 S 148,429 S 54,047 S 87,931 S 79,931 S 66,116 Jul-18 Forecast S 5	Actual	Sep-15	Oct-15 Actual \$	Nov-15 Actual \$	Dec-15	Actual S 155,488 (6,026) S 45,703 S 55,779 S (404,756) S (404,756) S (404,756) S (404,756) S (408,880) S (409,880) S	Actual S 155,109	K-tual S	Actual \$ \$ 154,381 \$ (6,026) \$ \$ 144,595 \$ 6 (6,126) \$ \$ 44,595 \$ 6 (6,1438 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	K-tual S 1-54,000	Actual \$ 10,646 \$ 153,661 \$ (6,026) \$ (6,026) \$ 54,552 \$ 33,357 \$. \$ (490,563) \$ 148,750 \$ (6,026) \$ 104,820 \$ 19,772 \$. \$ 139,726 \$ 139,726 \$ 139,635 \$ (417) \$ 170,035 \$ 12,412 \$ 76,035 \$ (417) \$ 170,035 \$ (Actual \$ 1,873,676 \$ 1,873,76 \$ 1,873,76 \$ 588,213 \$ 1,078,776 \$ 582,13 \$ 1,078,776 \$ 6,776 \$ 1,752 \$ 1,
Cast Iron Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7)	Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 D4 Reference Attachment D1 D2 D3 D4	Balance \$ (1,245,117) Carryover Balance \$ (490,563) Carryover Balance \$ 139,726	Natural	Actual S 158,341	Sep-15	Oct-15 Actual \$	Nov-15 Actual \$ 15-988 \$ (6,026) \$ (103,760) \$ 47,313 \$ 132,643 \$ (40,880) \$ (40,880) \$ (103,760) \$ (40,880) \$ (40,	Dec-15	Actual S 155,488 G,026 S 45,703 S 95,779 S (404,756) S (404,756) S (40,80) S (40,80	Actual S 155,109	K-tual S	Actual \$ \$ 154,381 \$ (6,026) \$ \$ 144,595 \$ 6 (6,126) \$ \$ 44,595 \$ 6 (6,1438 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	K-tual S 1-54,000	Actual \$ 10,646 \$ 105,646 \$ 153,661 \$ (6,026) \$ 54,552 \$ 33,357 \$. \$ (490,563) \$ 148,720 \$ 5 (498,563) \$ 164,822 \$ 49,777 \$. \$ 139,726 \$ 139,726 \$ 152,412 \$ 76,035 \$ (6,026) \$ 11,644 \$ 15,124,12 \$ 76,035 \$ (417) \$ 170,035 \$ (417) \$ 170,035 \$ (417) \$ 170,035 \$ 110,	Actual \$ 1,873,676 \$ 1,873,76 \$ 1,873,76 \$ 588,213 \$ 1,078,776 \$ 582,13 \$ 1,078,776 \$ 6,776 \$ 1,752 \$ 1,
Cast Iron Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (5) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Cartyover from Prev Yr (Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (6) RA/SBG (1) Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (7) Revenue Requirements (8)	Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 2)	S (1,245,117) Carryover Balance \$ (490,563) Carryover Balance \$ 139,726	Actual S 158,756	S	Sep-15	Cer-15 Actual \$ 157,513 \$ (103,760) \$ 47,727 \$ 57,913 \$ 47,727 \$ 70,716	Nov-15 Actual \$	Dec-15	Actual S 155,488 (6,026) S 155,793 S 95,779 S (404,756) S 75,793 S 7	Actual S 1.55,109	Actual S	Actual \$ \$ 154,381 \$ (6,026) \$ (143.85) \$ (512,505) \$ 44,595 \$ (512,505) \$ (512,505) \$ (512,505) \$ (512,505) \$ (512,505) \$ (512,505) \$ (512,513) \$ (51	S	Actual \$ 10,646 \$ 135,661 \$ (6,026) \$ 5 (103,706) \$ 5 (45,522 \$ 33,357 \$ 5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Actual \$ 1,873,761 \$ 1,873,761 \$ 588,213 \$ 1,978,776 \$ 588,213 \$ 1,978,776 \$ 5 0,978,776 \$ 1,978
Cast Iron Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Collections (4) Revenue Collections (5) Revenue Collections (6) Revenue Collections (7) Revenue Requirements (3) Revenue Requirements (3) Revenue Requirements (3)	Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 D4 Reference Attachment D1 D2 D3 D4	S (1,245,117) Carryover Balance \$ (490,563) Carryover Balance \$ 139,726	Natural	Actual S 158,341 S (0,026) S 48,556 S 85,412 S (85,352) Actual S (85,352) S (85,352) Actual S (103,600) S (106,136 S (72,224 S (70,000) S (70,000) S (74,000) S (14,000) S (153,734	Sep-15	Cct-15 Actual \$ 15,13 \$ (103,760) \$ (47,727) \$ 99,860 \$ 47,727 \$ 99,860 \$ 5 (104,760) \$ (40,880) \$ (40,880) \$ (50,126) \$ (40,880) \$ (50,126) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (40,880) \$ (50,126) \$ (50,126) \$ (60	Nov-15 Actual \$ 10,0026 \$ 16,0026 \$ (103,760) \$ 47,313 \$ 12,048 \$ 5,0026 \$ (441,701) Nov-16 Actual \$ (441,701)	Dec-15	Actual S 155,488 G,026 S 45,703 S 95,779 S (404,756) S (404,756) S (408,756) S (408,756) S (408,80) S (408,90) S	Actual S 1.55, 1.09	K-tual S (4,454)	Actual \$ \$ 154,381 \$ (6,026) \$ \$ 144,595 \$ 6 (41,438) \$ \$ (512,505) \$ Apr-17 Forecast \$ 5 (40,826) \$ 102,513 \$ 844,97 \$ 5 (6,026) \$ 102,513 \$ 844,97 \$ 5 (6,026) \$ 102,513 \$ 844,97 \$ 5 (6,026) \$ 102,513 \$ 10	K-tual S 1-54,000	Actual \$ 10,646 \$ 153,661 \$ (6,026) \$ 54,552 \$ 333,357 \$. \$ (490,563) \$ 54,552 \$ 334,357 \$. \$ (490,563) \$ 148,750 \$ (6,026) \$ 148,720 \$ 149,777 \$. \$ 139,726 \$ (40,82) \$ 149,777 \$. \$ 139,726 \$ (40,82) \$ 143,816 \$ (6,026) \$ 143,816 \$ (6,026) \$ 76,035 \$. \$ (417) \$ 170,035 \$. \$ (417) \$. \$ (417) \$. \$ (417) \$. \$ (417) \$. \$ (417) \$. \$ (417) \$. \$	Actual \$ 1,873,76 \$ 1,873,76 \$ 1,873,76 \$ 1,245,117 \$ 588,213 \$ 1,078,776 \$ 1,752 \$ 1,752 \$ 1,752 \$ 1,752,310 \$ 1,248,953 \$ 1,109,227 \$ 1,752,51
Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Requirements (3) Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Revenue Collections (4) Carbon Offset Payments (5) Balance (6) (7) RA/SBG (1) Cast Iron Cast Iron O&M Credit Carryover from Prev Yr (Carryover from Prev Yr (Cartyover from Prev Yr (Cast Iron O&M Credit Cartyover from Prev Yr (Cast Iron O&M Credit Cast Iron O	Attachment D1 D2 D3 2) D4 Reference Attachment D1 D2 D3 2)	S (1,245,117) Carryover Balance \$ (490,563) Carryover Balance \$ 139,726	Actual S 158,756	S	Sep-15	Cer-15 Actual \$ 157,513 \$ (103,760) \$ 47,727 \$ 57,913 \$ 47,727 \$ 70,716	Nov-15 Actual \$	Dec-15	Actual S 155,488 (6,026) S 155,793 S 95,779 S (404,756) S 75,793 S 7	Actual S 1.55,109	Actual S	Actual \$ \$ 154,381 \$ (6,026) \$ (143.85) \$ (512,505) \$ 44,595 \$ (512,505) \$ (512,505) \$ (512,505) \$ (512,505) \$ (512,505) \$ (512,505) \$ (512,513) \$ (51	S	Actual \$ 10,646 \$ 135,661 \$ (6,026) \$ 5 (103,706) \$ 5 (45,522 \$ 33,357 \$ 5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Actual \$ 1,873,76 \$ 1,873,76 \$ 5,88,213 \$ 1,978,776 \$ 5 \$ 88,213 \$ 1,978,776 \$ 5 \$ 1,745,776 \$ 1,978,776 \$ 1

Gas Tracker - Difference (A) - (B)

	Reference	Carryover	Ju	ıl-15	A	ug-15	Se	p-15	(Oct-15		Nov-15]	Dec-15	J	an-16		Feb-16	M	ar-16	Apr-	-16	Ma	ay-16	Ju	ın-16	Tota	al - 15/16
	Attachment	Balance	Ac	tual	A	ctual	Ac	ctual	I	Actual		Actual		Actual	1	Actual		Actual	A	ctual	Actu	ıal	Ac	ctual	Ac	ctual	A	Actual
RA/SBG (1)	D1		\$	-	s	-	S	-	s	-	\$	-	\$	-	\$	-	s	-	s	-	\$	-	\$	-	\$	-	\$	-
Cast Iron	D2		\$	-	s	-	S	-	s	-	\$	-	\$	-	\$	(5)	s	(20)	s	(44)	\$	(78)	\$	(123)	\$	(177)	\$	(446)
Cast Iron O&M Credit	D3		\$	-	s	-	S	-	s	-	\$	-	\$	-	\$	-	s	-	s	-	\$	-	\$	-	\$	-	\$	-
Carryover from Prev Yr (2)	ş -	\$	-	s	-	S	-	s	-	\$	-	\$	-	\$	-	s	-	s	-	\$	-	\$	-	\$	-	\$	-
Revenue Requirements (3)			ş	-	\$	-	S	-	S	-	\$	-	\$	-	\$	(5)	\$	(20)	S	(44)	\$	(78)	\$	(123)	\$	(177)	\$	(446)
Revenue Collections (4)	D4		ş	-	S	-	S	-	S	-	\$	-	\$	-	\$	-	\$	-	S	-	\$	-	\$		\$	-	\$	-
Carbon Offset Payments (5)			ş	-	\$	-	S	-	S	-	\$	-	\$	-	\$	-	\$	-	S	-	\$	-	\$		\$	-	\$	-
Balance (6) (7)			s	-	s	-	s	-	s		s		s		s	(5)	s	(25)	s	(69)	S	(147)	s	(270)	s	(446)	s	(446)

	Reference	Carryover		Jul-16	Aug-16		Sep-16	-	Oct-16	1	Nov-16		Dec-16	Ja	ın-17	I	Feb-17	M	1ar-17	Aj	pr-17	N	1ay-17	Jı	un-17	Tota	d - 16/17
	Attachment	Balance	1	Actual	Actual		Actual		Actual	1	Actual		Actual	For	recast	F	orecast	Fo	recast	For	recast	F	orecast	Fo	recast	Act/	Forecast
RA/SBG (1)	D1		s	-	s -	s		s	-	\$	-	\$	-	S	-	ş	-	ş	-	\$	-	\$	-	\$	-	\$	-
Cast Iron	D2		s	(241)	\$ (315) \$	(398)	s	(492)	\$	(596)	\$	(710)	S	(383)	ş	-	ş	-	\$	-	\$	-	\$	-	\$	(3,135)
Cast Iron O&M Credit	D3		s	-	s -	s		s	-	\$	-	\$	-	S	-	ş	-	ş	-	\$	-	\$	-	\$	-	\$	-
Carryover from Prev Yr (2)	\$ (446	s	(37)	\$ (37)) \$	(37)	s	(37)	\$	(37)	\$	(37)	S	(37)	ş	(37)	ş	(37)	s	(37)	\$	(37)	\$	(37)	\$	(446)
Revenue Requirements (3)			S	(278)	\$ (352) \$	(436)	S	(530)	\$	(633)	\$	(747)	S	(420)	\$	(37)	ş	(37)	\$	(37)	\$	(37)	ş	(37)	\$	(3,581)
Revenue Collections (4)	D4		S	-	s -	ş	-	S		\$	-	\$	-	S	-	\$		ş	-	\$	-	\$	-	ş	-	\$	-
Carbon Offset Payments (5)			S	-	ş -	ş	-	S		\$	-	\$	-	S	-	\$		ş	-	\$	-	\$	-	ş	-	\$	-
Balance (6) (7)			s	(278)	\$ (630) \$	(1,065)	s	(1,595)	s	(2,228)	s	(2,975)	S	(3,396)	s	(3,433)	S	(3,470)	\$	(3,507)	\$	(3,544)	\$	(3,581)	\$	(3,581)

	Reference	Carry	over	Jul	I-17	Aug-1	7	Sep-17		Oct-17	Nov-17		Dec-17	Jan-18		Feb-18	Mar-18	3	Apr-18	May-	-18	Ju	n-18	Total	- 17/18
	Attachment	Bala	nce	Fore	ecast	Foreca	ıst	Forecast	F	orecast	Forecas	t	Forecast	Forecas	t	Forecast	Forecas	st	Forecast	Forec	ast	For	recast	For	recast
RA/SBG (1)	D1			S	-	ş	-	\$ -	s	-	\$.	s -	S -		ş -	s -	.	\$ -	\$	-	\$	-	\$	-
Cast Iron	D2			S	-	ş	-	\$ -	s	-	\$.	s -	S -		ş -	s -	.	\$ -	\$	-	\$	-	\$	-
Cast Iron O&M Credit	D3			S	-	ş	-	\$ -	s	-	\$.	s -	S -		ş -	s -	.	\$ -	\$	-	\$	-	\$	-
Carryover from Prev Yr (2)	\$ ((3,581)	S	(298)	\$	(298)	\$ (298)) S	(298)	\$ (2	98)	\$ (298)	\$ (2	98)	\$ (298)	\$ (2	98)	\$ (298	\$	(298)	\$	(298)	\$	(3,581)
Revenue Requirements (3)				S	(298)	\$	(298)	\$ (298)) S	(298)	\$ (2	98)	\$ (298)	\$ (2	98)	\$ (298)	\$ (2	98)	\$ (298) \$	(298)	\$	(298)	\$	(3,581)
Revenue Collections (4)	D4			S	(209)	\$	(178)	\$ (169)) S	(273)	\$ (4	23)	\$ (634)	\$ (6	73)	\$ (563)	\$ (5	09)	\$ (315	\$	(230)	\$	(181)	\$	(4,357)
Carbon Offset Payments (5)				S	-	\$	-	\$ -	s	-	\$.	s -	S -		ş -	s -	.	\$ -	\$	-	\$	-	\$	-
Balance (6) (7)				s	(89)	\$	(210)	\$ (340)) s	(365)	\$ (2	41)	\$ 94	\$ 4	69	\$ 733	\$ 9	45	\$ 962	\$	893	\$	776	\$	776

	Reference	Carryove		Jul-18	Au	ıg-18	Sep-18		Oct-18	1	Nov-18		Dec-18		Jan-19		Feb-19	N	1ar-19	,	Apr-19	N	Iay-19	J	un-19	Tota	al - 18/19
	Attachment	Balance	F	orecast	For	ecast	Forecast		Forecast	F	orecast	1	Forecast	F	orecast	F	orecast	Fo	orecast	F	orecast	Fo	recast	Fo	recast	Fo	orecast
RA/SBG (1)	D1		s	-	S	-	ş -	s	-	\$	-	\$	-	s	-	\$	-	s	-	\$	-	\$	-	\$	-	\$	-
Cast Iron	D2		s	-	S	-	ş -	s	-	\$	-	\$	-	s	-	\$	-	s	-	\$	-	\$	-	\$	-	\$	-
Cast Iron O&M Credit	D3		s	-	S	-	ş -	s	-	\$	-	\$	-	s	-	\$	-	s	-	\$	-	\$	-	\$	-	\$	-
Carryover from Prev Yr (2))	\$ 77	5 \$	65	S	65	\$ 65	5 \$	65	\$	65	s	65	s	65	\$	65	s	65	s	65	\$	65	\$	65	\$	776
Revenue Requirements (3)			\$	65	\$	65	\$ 65	5 \$	65	\$	65	\$	65	ş	65	\$	65	\$	65	ş	65	\$	65	\$	65	\$	776
Revenue Collections (4)	D4		\$	44	\$	35	\$ 37	7 \$	48	\$	83	\$	121	ş	132	\$	111	\$	98	ş	62	\$	44	\$	35	\$	851
Carbon Offset Payments (5)			\$	-	\$	-	\$ -	ş		\$	-	\$		ş	-	\$	-	\$	-	ş		\$	-	\$	-	\$	-
Balance (6) (7)			s	21	s	50	\$ 78	8 8	95	\$	76	s	19	S	(48)	s	(94)	s	(128)	s	(126)	\$	(105)	\$	(76)	\$	(76)

Updates to 2015-2016 balances approved in Docket No. E,G002/M-16-206 (2016 Filing) result from (1) revised MN Composite Income Tax Rates based upon 2015 income tax returns, effective January 1, 2015 and (2) property tax update for 2015 based on ratio of actual paid taxes in 2015 and the value of property as of year-end 2014.

- Notes:

 (1) RA/SIG actual expenses are for invoiced amounts. Refer to Attachment D1 for supporting detail for amounts beginning in 2016.

 (2) The Carryover from Previous Year is the Balance (Revenue Requirements minus Revenue Collections) from the preceeding year. That total is divided by 12 to spread the Carryover evenly throughout the year.

 (3) Revenue Requirements are the total SEP revenue requirements for the year plus the Carryover from the previous year.

 (4) Revenue Collections are actual through December 2016 and forecasts the resulting.

 (5) The Company does not forecast any carbon offset payments related to the gas cast iron pipe project.

 (6) Balance is the amount (over) under collected or the difference between the total revenue requirements and the amount of revenue received from customers under this Rider.

 (7) Updates to balance sapproved in Docker No. G002/Al-Code 2016 Hingly sealt from (1) revised MN Composite Income Tax Rates based upon 2015 income tax returns, effective January 1, 2015. (2) property tax update for 2015 based on ratio of actual paid taxes in 2015 and the value of property as of year-end 2013, and (3) actual RA/SBG invoices billed through December 2016.

Comparison by month of actual revenue requirements versus forecasted revenue requirements

Docket No. G002/M-17-174 Information Request No. DOC-3 Revised Attachment C Page 1 of 1

Gas Tracker - No Prorate on 2016 Actuals (A)

			2015-2016	SEP Period					2016-2017	SEP Period			
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	
	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Total						
Natural Gas Revenue Requirement (Docket 16-206)	149,914	149,535	151,734	148,806	148,456	157,380	147,786	147,466	156,261	146,856	146,566	156,906	1,807,668
•	Jan-16 Actual	Feb-16 Actual	Mar-16 Actual	Apr-16 Actual	May-16 Actual	Jun-16 Actual	Jul-16 <u>Actual</u>	Aug-16 Actual	Sep-16 Actual	Oct-16 Actual	Nov-16 Actual	Dec-16 Actual	Total
Natural Gas Revenue Requirement (Docket 17)	149,458	149,064	155,125	148,276	147,883	158,135	147,095	146,701	156,644	145,914	145,520	128,255	1,778,069
Variance Forecast vs.													
actual-Gas Revenue Requirements	456	471	-3.391	529	573	-755	691	765	-382	943	1.046	28.651	29,599

			2015-2016 9	SEP Period					2016-2017	SEP Period			
	Jan-16 Forecast	Feb-16 Forecast	Mar-16 Forecast	Apr-16 Forecast	May-16 Forecast	Jun-16 Forecast	Jul-16 Forecast	Aug-16 Forecast	Sep-16 Forecast	Oct-16 Forecast	Nov-16 Forecast	Dec-16 Forecast	Total
Natural Gas Revenue (Docket 16-206)	109,576	92,383	72,567	54,122	33,946	32,403	66,924	63,188	53,361	87,157	126,232	176,655	968,512
	Jan-16 Actual	Feb-16 Actual	Mar-16 Actual	Apr-16 Actual	May-16 Actual	Jun-16 Actual	Jul-16 Actual	Aug-16 Actual	Sep-16 Actual	Oct-16 Actual	Nov-16 Actual	Dec-16 Actual	Total
Natural Gas Revenue (Docket 17)	95,779	97,468	90,171	61,438	43,498	33,357	53,363	72,224	46,484	55,752	81,501	126,152	857,18
Variance Forecast vs. actual-Gas Revenues	13,797	-5,085	-17,605	-7,316	-9,551	-954	13,561	-9,035	6,877	31,404	44,731	50,504	111,327

Net Result 81,728

Gas Tracker - As Filed (B)													
			2015-2016	SEP Period					2016-2017	SEP Period			
	Jan-16 Forecast	Feb-16 Forecast	Mar-16 Forecast	Apr-16 Forecast	May-16 Forecast	Jun-16 Forecast	Jul-16 Forecast	Aug-16 Forecast	Sep-16 Forecast	Oct-16 Forecast	Nov-16 Forecast	Dec-16 Forecast	Total
Natural Gas Revenue Requirement (Docket 16-206)	149,914	149,535	151,734	148,806	148,456	157,380	147,786	147,466	156,261	146,856	146,566	156,906	1,807,668
-	Jan-16 Actual	Feb-16 Actual	Mar-16 Actual	Apr-16 Actual	May-16 Actual	Jun-16 Actual	Jul-16 <u>Actual</u>	Aug-16 Actual	Sep-16 Actual	Oct-16 Actual	Nov-16 Actual	Dec-16 Actual	Total
Natural Gas Revenue Requirement (Docket 17)	149,463	149,084	155,169	148,355	148,005	158,312	147,336	147,016	157,042	146,406	146,116	128,965	1,781,268
Variance Forecast vs.	451	451	-3.435	451	451	-931	451	450	-781	450	450	27.942	26,401

			2015-2016	SEP Period					2016-2017	SEP Period			
	Jan-16 Forecast	Feb-16 Forecast	Mar-16 Forecast	Apr-16 Forecast	May-16 Forecast	Jun-16 Forecast	Jul-16 Forecast	Aug-16 Forecast	Sep-16 Forecast	Oct-16 Forecast	Nov-16 Forecast	Dec-16 Forecast	Total
Natural Gas Revenue (Docket 16-206)	109,576	92,383	72,567	54,122	33,946	32,403	66,924	63,188	53,361	87,157	126,232	176,655	968,51
	Jan-16 Actual	Feb-16 Actual	Mar-16 Actual	Apr-16 Actual	May-16 Actual	Jun-16 Actual	Jul-16 Actual	Aug-16 Actual	Sep-16 Actual	Oct-16 Actual	Nov-16 Actual	Dec-16 Actual	Total
Natural Gas Revenue	95,779	97,468	90,171	61,438	43,498	33,357	53,363	72,224	46,484	55,752	81,501	126,152	857,18
(Docket 17)													

Net Result 84,926 Gas Tracker - Difference (A) - (B) Mar-16 Apr-16 May-16 Jun-16 Jul-16 Aug-16 Sep-16 Oct-16 Nov-16 <u>Forecast Forecast Forecast Forecast Forecast Forecast Forecast Forecast Forecast</u> Total Natural Gas Revenue Requirement (Docket 16-206) 0 0 Dec-16 Actual Total Actual Actual Actual Actual Actual Natural Gas Revenue Requirement (Docket 17-___) -241 -315 -492 -710 -3,198 241 315 710

			2015-2016	SEP Period					2016-2017	SEP Period			
	Jan-16 Forecast	Feb-16 Forecast	Mar-16 Forecast	Apr-16 Forecast	May-16 Forecast	Jun-16 Forecast	Jul-16 Forecast	Aug-16 Forecast	Sep-16 Forecast	Oct-16 Forecast	Nov-16 Forecast	Dec-16 Forecast	Total
Natural Gas Revenue (Docket 16-206)	0	0	0	0	0	0	0	0	0	0	0	0	
	Jan-16 Actual	Feb-16 Actual	Mar-16 Actual	Apr-16 Actual	May-16 Actual	Jun-16 <u>Actual</u>	Jul-16 <u>Actual</u>	Aug-16 Actual	Sep-16 Actual	Oct-16 Actual	Nov-16 Actual	Dec-16 Actual	Total
Natural Gas Revenue (Docket 17)	0	0	0	0	0	0	0	0	0	0	0	0	
Variance Forecast vs.													
actual-Gas Revenues	0	0	0	0	0	0	0	0	0	0	0	0	

Net Result -3,198

				(Gas Tracl	er Detail							
	Cast Ir			Oct-15	quiremen	t by Mon		rorate on 2	2016 Actua Mar-16	Apr-16	W 16	1 16	Annual-15/16
Rate Base	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-10	Apr-16	May-16	Jun-16	Annual-15/16
Plus CWIP Ending Balance	0	0	0	0	0	0	0	0	0	0	0	0	0
Plus Plant In-Service Less Book Depreciation Reserve	13,736,108 1,431,998	13,736,108 1,461,251	13,736,108 1,490,504	13,736,108 1,519,757	13,736,108 1,549,009	13,736,108 1,578,262	13,736,108 1,607,515	13,736,108 1,636,768	13,736,108 1,666,021	13,736,108 1,695,274	13,736,108 1,724,526	13,736,108 1,753,779	13,736,108 1,753,779
Less Accum Deferred Taxes	951,229	965,885	980,541	995,197	1,009,853	1,024,509	1,037,158	1,049,806	1,062,455	1,075,103	1,087,752	1,100,401	1,100,401
End Of Month Rate Base Average Rate Base (BOM/EOM)	11,352,881 11,374,836	11,308,972 11,330,927	11,265,063	11,221,154 11,243,109	11,177,246	11,133,337 11,155,291	11,091,435 11,112,386	11,049,534 11,070,485	11,007,633 11,028,583	10,965,731 10,986,682	10,923,830	10,881,929 10,902,879	10,881,929
Average Rate base (BOM/EOM)	11,3/4,830	11,330,927	11,287,018	11,243,109	11,199,200	11,155,291	11,112,380	11,070,485	11,028,583	10,980,082	10,944,781	10,902,879	11,136,348
Calculation of Return													
Plus Debt Return Plus Equity Return	21,328 50,428	21,245 50,234	21,163 50,039	21,081 49,844	20,999 49,650	20,916 49,455	20,558 49,172	20,480 48,987	20,403 48,801	20,325 48,616	20,248 48,431	20,170 48,245	248,917 591,903
Total Return	71,756	71,479	71,202	70,925	70,648	70,371	69,730	69,467	69,204	68,941	68,678	68,416	840,820
In any Chatana and Itana													
Income Statement Items Plus Property Taxes	22,532	22,532	22,532	22,532	22,532	22,532	22,122	22,122	22,122	22,122	22,122	22,122	267,922
Plus Book Depreciation	29,253	29,253	29,253	29,253	29,253	29,253	29,253	29,253	29,253	29,253	29,253	29,253	351,034
Plus Deferred Taxes Plus Current Taxes	14,656 20,559	14,656 20,421	14,656 20,284	14,656 20,147	14,656 20,009	14,656 19,872	12,649 21,730	12,649 21,599	12,649 21,469	12,649 21,338	12,649 21,207	12,649 21,076	163,827 249,711
Total Income Statement Expense	87,000	86,862	86,725	86,587	86,450	86,313	85,753	85,622	85,492	85,361	85,230	85,099	1,032,494
T.ID D	150.757	150.241	157.027	157 512	157.000	157.704	155 404	455.000	151707	151202	152.000	152 515	1.072.214
Total Revenue Requirements Jurisdictional Revenue Requirement	158,756 158,756	158,341 158,341	157,927 157,927	157,513 157,513	157,098 157,098	156,684 156,684	155,484 155,484	155,090 155,090	154,696 154,696	154,302 154,302	153,908 153,908	153,515 153,515	1,873,314 1,873,314
Rate Base	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Annual-16/17
Plus CWIP Ending Balance	0	0	0	0	0	0	0	0	0	0	0	0	0
Plus Plant In-Service	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108
Less Book Depreciation Reserve Less Accum Deferred Taxes	1,783,032 1,113,049	1,812,285 1,125,698	1,841,538 1,138,346	1,870,790 1,150,995	1,900,043 1,163,643	1,929,296 1,176,292	1,958,549 1,186,346	1,987,802 1,195,469	2,017,055 1,203,752	2,046,307 1,211,105	2,075,560 1,217,557	2,104,813 1,223,080	2,104,813 1,223,080
End Of Month Rate Base	10,840,027	10,798,126	10,756,225	10,714,323	10,672,422	10,630,521	10,591,214	10,552,838	10,515,302	10,478,696	10,442,991	10,408,216	10,408,216
Average Rate Base (BOM/EOM)	10,860,978	10,819,077	10,777,175	10,735,274	10,693,373	10,651,471	10,610,867	10,572,026	10,534,070	10,496,999	10,460,843	10,425,603	10,636,480
Calculation of Return													
Plus Debt Return	20,093	20,015	19,938	19,860	19,783	19,705	19,453	19,382	19,312	19,244	19,178	19,114	235,078
Plus Equity Return Total Return	48,060 68,153	47,874 67,890	47,689 67,627	47,504 67,364	47,318 67,101	47,133 66,838	46,865 66,318	46,693 66,075	46,525 65,838	46,362 65,606	46,202 65,380	46,046 65,160	564,271 799,349
Total Return	00,100	07,070	07,027	07,501	07,101	00,000	00,510	00,075	03,030	03,000	05,700	05,100	,,,,,,,,
Income Statement Items													
Plus Property Taxes Plus Book Depreciation	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	265,460 351,034
Plus Deferred Taxes	12,649	12,649	12,649	12,649	12,649	12,649	10,954	10,954	10,954	10,954	10,954	10,954	141,616
Plus Current Taxes	20,945	20,815	20,684	20,553	20,422	20,291	21,839	21,718	21,600	21,484	21,371	21,262	252,983
Total Income Statement Expense	84,968	84,837	84,707	84,576	84,445	84,314	84,168	84,046	83,928	83,813	83,700	83,590	1,011,093
Total Revenue Requirements Jurisdictional Revenue Requirement	153,121 153,121	152,727 152,727	152,333 152,333	151,940 151,940	151,546 151,546	151,152 151,152	150,485 150,485	150,122 150,122	149,766 149,766	149,419 149,419	149,080 149,080	148,750 148,750	1,810,442 1,810,442
Juristicional Revenue Requirement		132,727	132,333	151,740			150,405			147,417	142,000	140,750	
Rate Base	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Annual-17/18
Plus CWIP Ending Balance	0	0	0	0	0	0	0	0	0	0	0	0	0
Plus Plant In-Service	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108
Less Book Depreciation Reserve Less Accum Deferred Taxes	2,134,066	2,163,319	2,192,572	2,221,824	2,251,077	2,280,330	2,309,583	2,338,836	2,368,088	2,397,341			
	1 227 701	1 231 303		1 236 014							2,426,594	2,455,847	2,455,847
End Of Month Rate Base	1,227,701 10,374,341	1,231,393 10,341,397	1,234,154 10,309,383	1,236,014 10,278,270	1,236,945 10,248,086	1,236,975 10,218,804	1,316,590 10,109,936	1,324,619 10,072,654	1,331,909 10,036,111	1,338,380 10,000,387	2,426,594 1,344,058 9,965,456	2,455,847 1,348,918 9,931,343	2,455,847 1,348,918 9,931,343
End Of Month Rate Base Average Rate Base (BOM/EOM)			1,234,154		1,236,945	1,236,975	1,316,590	1,324,619	1,331,909	1,338,380	1,344,058	1,348,918	1,348,918
Average Rate Base (BOM/EOM)	10,374,341	10,341,397	1,234,154 10,309,383	10,278,270	1,236,945 10,248,086	1,236,975 10,218,804	1,316,590 10,109,936	1,324,619 10,072,654	1,331,909 10,036,111	1,338,380 10,000,387	1,344,058 9,965,456	1,348,918 9,931,343	1,348,918 9,931,343
Average Rate Base (BOM/EOM) <u>Calculation of Return</u> Plus Debt Return	10,374,341 10,391,278 19,051	10,341,397 10,357,869 18,989	1,234,154 10,309,383 10,325,390 18,930	10,278,270 10,293,826 18,872	1,236,945 10,248,086 10,263,178 18,816	1,236,975 10,218,804 10,233,445	1,316,590 10,109,936 10,164,370 18,126	1,324,619 10,072,654 10,091,295 17,996	1,331,909 10,036,111 10,054,382 17,930	1,338,380 10,000,387 10,018,249 17,866	1,344,058 9,965,456 9,982,921 17,803	1,348,918 9,931,343 9,948,399 17,741	1,348,918 9,931,343 10,177,050 220,882
Average Rate Base (BOM/EOM) <u>Calculation of Return</u> Plus Debt Return Plus Equity Return	10,374,341 10,391,278 19,051 45,895	10,341,397 10,357,869 18,989 45,747	1,234,154 10,309,383 10,325,390 18,930 45,604	10,278,270 10,293,826 18,872 45,464	1,236,945 10,248,086 10,263,178 18,816 45,329	1,236,975 10,218,804 10,233,445 18,761 45,198	1,316,590 10,109,936 10,164,370 18,126 44,893	1,324,619 10,072,654 10,091,295 17,996 44,570	1,331,909 10,036,111 10,054,382 17,930 44,407	1,338,380 10,000,387 10,018,249 17,866 44,247	1,344,058 9,965,456 9,982,921 17,803 44,091	1,348,918 9,931,343 9,948,399 17,741 43,939	1,348,918 9,931,343 10,177,050 220,882 539,384
Average Rate Base (BOM/EOM) <u>Calculation of Return</u> Plus Debt Return	10,374,341 10,391,278 19,051	10,341,397 10,357,869 18,989	1,234,154 10,309,383 10,325,390 18,930	10,278,270 10,293,826 18,872	1,236,945 10,248,086 10,263,178 18,816	1,236,975 10,218,804 10,233,445	1,316,590 10,109,936 10,164,370 18,126	1,324,619 10,072,654 10,091,295 17,996	1,331,909 10,036,111 10,054,382 17,930	1,338,380 10,000,387 10,018,249 17,866	1,344,058 9,965,456 9,982,921 17,803	1,348,918 9,931,343 9,948,399 17,741	1,348,918 9,931,343 10,177,050 220,882
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items	10,374,341 10,391,278 19,051 45,895 64,945	10,341,397 10,357,869 18,989 45,747 64,737	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534	10,278,270 10,293,826 18,872 45,464 64,336	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145	1,236,975 10,218,804 10,233,445 18,761 45,198 63,959	1,316,590 10,109,936 10,164,370 18,126 44,893 63,019	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680	1,348,918 9,931,343 10,177,050 220,882 539,384 760,266
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes	10,374,341 10,391,278 19,051 45,895 64,945	10,341,397 10,357,869 18,989 45,747 64,737	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534	10,278,270 10,293,826 18,872 45,464 64,336	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145	1,236,975 10,218,804 10,233,445 18,761 45,198 63,959	1,316,590 10,109,936 10,164,370 18,126 44,893 63,019	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680	1,348,918 9,931,343 10,177,050 220,882 539,384 760,266
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,954	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954	1,236,975 10,218,804 10,233,445 18,761 45,198 63,959 22,122 29,253 10,954	1,316,590 10,109,936 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640	1,348,918 9,931,343 10,177,050 220,882 539,384 760,266 265,460 351,034 123,568
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,054 21,050	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,954 20,949	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 20,851	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954 20,755	1,236,975 10,218,804 10,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663	1,316,590 10,109,936 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121	1,348,918 9,931,343 10,177,050 220,882 539,384 760,266 265,460 351,034 123,568 253,924
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,954	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954	1,236,975 10,218,804 10,233,445 18,761 45,198 63,959 22,122 29,253 10,954	1,316,590 10,109,936 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640	1,348,918 9,931,343 10,177,050 220,882 539,384 760,266 265,460 351,034 123,568
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense Total Income Statement Expense	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 20,851 83,180 147,516	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229	1,236,975 10,218,804 10,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950	1,316,590 10,109,936 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816	1,348,918 9,931,343 10,177,050 220,882 539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,954 20,949 83,278	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 20,851 83,180	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954 20,755 83,084	1,236,975 10,218,804 10,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663 82,991	1,316,590 10,109,936 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,809	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,354	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136	1,348,918 9,931,343 10,177,050 220,882 539,384 760,266 265,460 351,034 123,568 253,924 993,985
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Deferred Taxes Total Income Statement Expense Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 20,851 83,180 147,516	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229	1,236,975 10,218,804 10,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950	1,316,590 10,109,936 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816	1,348,918 9,931,343 10,177,050 220,882 539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 Jul-18	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 Aug-18	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,954 20,954 21,47,812 147,812 Sep-18	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 20,851 83,180 147,516 147,516	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 147,229 Nov-18	1,236,975 10,218,804 10,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 146,950	1,316,590 10,109,936 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 144,467	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 144,138	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816	1,348,918 9,931,343 10,177,050 220,882 539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Gurrent Taxes Total Income Statement Expense Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 20,518 147,516 Oct-18 0 13,736,108	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954 20,755 83,084	1,236,975 10,218,804 10,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950	1,316,590 10,109,936 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138	1,348,918 9,931,343 9,948,599 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816	1,34,918 9,931,343 10,177,80 220,882 539,384 760,266 265,460 351,034 123,568 253,924 93,985 1,754,251 Annual-18/19
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,945 21,155 83,483 148,429 Jul-18 0 13,736,108 2,485,100 2,485,100	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 Aug-18 0 13,736,108 2,514,353	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 147,812 0 0 1,3736,108 2,543,605	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 20,851 83,180 0 147,516 Oct-18 0 13,736,108 2,572,858	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,054 20,755 83,084 147,229 Nov-18 0 13,736,108 2,602,111	1,236,975 10,218,804 110,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364	1,316,590 10,109,336 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 Jan-19 0 13,736,108 2,660,617	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19 0 1,373,61,08 2,689,869	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 Mar-19 0 13,736,108 2,719,122	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 Apr-19 0 13,736,108 2,748,375	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 0 1,3736,108 2,777,628	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 Jun-19 0 13,736,108 2,806,881	1,348,918 9,931,343 10,177,050 220,882 530,384 760,266 253,924 993,985 1,754,251 0 13,754,251 0 13,754,251 0 13,754,108
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Gurrent Taxes Total Income Statement Expense Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 Jul-18 0 13,736,108 2,485,100 1,352,986	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 0 13,736,108 2,514,353 1,356,234	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,954 20,249 83,278 147,812 147,812 0 13,736,108 2,543,605	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 29,851 147,516 Oct-18 0 13,736,108 2,572,858 1,360,302	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 Nov-18 0 13,736,108	1,236,975 10,218,804 110,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 146,950 Dec-18 0 13,736,108 2,631,364 1,361,146	1,316,590 10,109,336 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 13,736,108 2,660,617 1,431,676	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19 0 13,736,108 2,689,869 1,439,162	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 Mar-19 0 13,736,108 2,779,122 2,145,528	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 144,467 0 13,736,108 2,748,375 1,451,992 1,451,992	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 144,138 May-19 0 13,736,108 2,777,628	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 143,816 2,806,881 1,461,818	1,348,918 9,931,343 10,177,050 220,882 559,384 760,266 265,460 351,034 123,568 255,924 993,985 1,754,251 1,754,251 0 0 13,756,108 2,806,881 1,461,818
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Book Depreciation Plus Deferred Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Book Depreciation Reserve Less Book Depreciation Reserve Less Book Depreciation Reserve Less Accum Deferred Taxes	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,945 21,155 83,483 148,429 Jul-18 0 13,736,108 2,485,100 2,485,100	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 Aug-18 0 13,736,108 2,514,353	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 147,812 0 0 1,3736,108 2,543,605	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 20,851 83,180 0 147,516 Oct-18 0 13,736,108 2,572,858	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 147,229 Nov-18	1,236,975 10,218,804 110,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364	1,316,590 10,109,336 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 Jan-19 0 13,736,108 2,660,617	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19 0 1,373,61,08 2,689,869	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 Mar-19 0 13,736,108 2,719,122	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 Apr-19 0 13,736,108 2,748,375	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 0 1,3736,108 2,777,628	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 Jun-19 0 13,736,108 2,806,881	1,348,918 9,931,343 10,177,050 220,882 530,384 760,266 253,924 993,985 1,754,251 0 13,754,251 0 13,754,251 0 13,754,108
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Book Depreciation Plus Deferred Taxes Total Income Statement Expense Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Book Depreciation Reserve Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM)	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 Jul-18 0 13,736,108 2,485,100 1,352,986	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 Aug-18 0 13,736,108 2,514,353 1,356,234 9,865,521	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 Sep-18 5ep-18 013,736,108 2,543,605 1,358,664 9,833,839	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 20,513 147,516 Oct-18 0 13,736,108 2,572,858 1,366,302 9,802,948	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121 1,361,1287	1,236,975 10,218,804 10,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 146,950 Dec-18 0 13,736,108 2,631,364 1,361,147 9,743,597	1,316,590 10,109,236 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 13,736,108 2,660,617 1,431,676	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 145,147 16b-19 0 13,736,108 2,689,869 1,439,162	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803 Mar-19 0 13,736,108 2,719,122 1,445,059 9,571,027	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 0 0 13,736,108 2,777,628 1,457,287 9,501,194	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 143,816 2,806,881 1,461,818 9,467,410	1,348,918 9,931,343 10,177,369 220,882 539,384 760,266 265,460 351,034 123,566 253,924 993,985 1,754,251 Annual-18/19 0 13,736,168 2,806,881 1,401,818 9,467,410
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Gurrent Taxes Total Income Statement Expense Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 Jul-18 0 13,736,108 2,485,100 1,352,986	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 Aug-18 0 13,736,108 2,514,353 1,356,234 9,865,521	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 Sep-18 5ep-18 013,736,108 2,543,605 1,358,664 9,833,839	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 20,513 147,516 Oct-18 0 13,736,108 2,572,858 1,366,302 9,802,948	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121 1,361,1287	1,236,975 10,218,804 10,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 146,950 Dec-18 0 13,736,108 2,631,364 1,361,147 9,743,597	1,316,590 10,109,236 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 13,736,108 2,660,617 1,431,676	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 145,147 16b-19 0 13,736,108 2,689,869 1,439,162	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803 Mar-19 0 13,736,108 2,779,122 1,445,959 9,571,027 9,589,052	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 0 0 13,736,108 2,777,628 1,457,287 9,501,194	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 143,816 2,806,881 1,461,818 9,467,410	1,348,918 9,931,343 10,177,369 220,882 539,384 760,266 265,460 351,034 123,566 253,924 993,985 1,754,251 Annual-18/19 0 13,736,168 2,806,881 1,401,818 9,467,410
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Book Depreciation Plus Deferred Taxes Total Income Statement Expense Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Debt Return	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 Jul-18 0 13,734,108 2,485,100 1,352,986 9,898,023 9,914,683	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 0 13,736,108 2,514,353 1,356,234 9,865,521 9,881,772	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,054 20,949 83,278 147,812 147,812 147,812 147,812 147,812 147,816 0 13,736,108 2,543,605 1,358,664 9,843,680 17,565 43,503	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 20,851 83,180 0 147,516 147,516 0 13,736,(108 2,572,858 1,360,502 9,802,948 9,818,593	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,054 20,755 83,084 147,229 147,229 147,229 147,229 147,229 147,229 147,229 147,229 147,229 147,229 147,229 147,229 147,237 9,787,912	1,236,975 10,218,804 110,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 13,736,108 2,631,364 1,361,36	1,316,590 10,109,236 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 Jan-19 0 13,736,108 2,660,617 1,431,676 9,643,815 9,693,706	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803 Mar-19 0 0 13,736,108 2,719,122 1,445,959 9,571,027 9,589,052	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 144,467 Apr-19 0 0 13,736,108 2,748,375 1,451,992 9,553,741 9,553,741 9,553,741 9,553,741	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 013,736,108 2,777,628 1,457,287 9,501,194 9,518,467	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 143,816 143,816 143,816 144,818 9,467,410 9,484,302	1,348,918 9,931,343 10,177,869 220,882 539,384 760,266 351,034 123,566 253,924 993,985 1,754,251 Annual-18/19 0 13,736,168 2,806,881 1,461,818 9,467,741 9,706,253
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Book Depreciation Plus Deferred Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 Jul-18 0 13,756,108 2,485,100 1,352,986 9,898,023 9,914,683	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 0 13,736,108 2,514,353 1,356,234 9,865,521 9,881,772	1,234,154 10,309,383 10,325,390 18,930 45,604 45,604 64,534 22,122 29,255 10,954 20,949 83,278 147,812 Sep-18 0 13,736,108 2,543,056 13,58,664 9,833,839 9,849,680 17,565	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 29,851 147,516 147,516 0 13,736,108 2,572,858 1,360,902 9,802,948 9,818,393	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121 9,772,877 9,787,912	1,236,975 10,218,804 10,233,445 18,761 45,198 63,959 22,122 29,255 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 1,361,1367 1,361,	1,316,590 10,109,336 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,890 0 13,736,108 2,600,617 1,431,676 9,643,815 9,693,706	1,324,619 10,072,654 110,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19 0 13,736,108 2,669,869 1,439,162 9,607,076 9,625,446	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803 Mar-19 0 13,736,108 2,779,122 1,445,959 9,571,027 9,589,052	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,534 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741 9,553,384	1,344,058 9,965,456 9,962,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 0 13,736,108 2,777,628 1,457,287 9,501,194 9,518,467	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 143,816 143,816 143,816 1,461,818 9,467,410 9,484,302	1,348,918 9,931,343 10,177,800 220,882 539,384 760,266 351,034 123,568 253,924 993,988 1,754,251
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Book Depreciation Plus Deferred Taxes Total Income Statement Expense Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Debt Return	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 Jul-18 0 13,734,108 2,485,100 1,352,986 9,898,023 9,914,683	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 0 13,736,108 2,514,353 1,356,234 9,865,521 9,881,772	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,054 20,949 83,278 147,812 147,812 147,812 147,812 147,812 147,816 0 13,736,108 2,543,605 1,358,664 9,843,680 17,565 43,503	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 20,851 83,180 0 147,516 147,516 0 13,736,(108 2,572,858 1,360,502 9,802,948 9,818,593	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,054 20,755 83,084 147,229 147,229 147,229 147,229 147,229 147,229 147,229 147,229 147,229 147,229 147,229 147,229 147,237 9,787,912	1,236,975 10,218,804 110,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 13,736,108 2,631,364 1,361,36	1,316,590 10,109,936 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 Jan-19 0 13,736,108 2,660,617 1,431,676 9,643,815 9,693,706	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803 Mar-19 0 0 13,736,108 2,719,122 1,445,959 9,571,027 9,589,052	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 144,467 Apr-19 0 0 13,736,108 2,748,375 1,451,992 9,553,741 9,553,741 9,553,741 9,553,741	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 013,736,108 2,777,628 1,457,287 9,501,194 9,518,467	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 143,816 143,816 143,816 144,818 9,467,410 9,484,302	1,348,918 9,931,343 10,177,869 220,882 539,384 760,266 351,034 123,566 253,924 993,985 1,754,251 Annual-18/19 0 13,736,168 2,806,881 1,461,818 9,467,741 9,706,253
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Book Depreciation Plus Deferred Taxes Plus Gurent Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Equity Return Total Return Income Statement Items Plus Poperty Taxes	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 Jul-18 0 13,756,108 2,485,100 13,52,986 9,898,023 9,914,683 17,681 43,790 61,471	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 13,736,108 2,514,535 1,356,234 9,865,521 9,881,772 17,622 43,644 61,267	1,234,154 10,309,383 10,325,390 18,930 45,604 45,604 64,534 22,122 29,255 10,954 20,949 83,278 147,812 Sep-18 0 13,736,108 2,543,05 13,58,664 9,833,839 9,849,680 17,565 43,503 61,068	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 29,851 83,180 0 13,736,108 2,572,858 1,360,302 9,802,948 9,818,393 17,509 43,365 60,874	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121 9,772,877 9,787,912 17,455 43,230 60,685	1,236,975 10,218,804 10,233,445 18,761 45,198 63,959 22,122 29,255 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 1,361,187 9,743,597 9,758,237 17,402 43,099 60,501	1,316,590 10,109,336 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,899 0 13,736,108 2,600,617 4,31,676 9,643,815 9,693,706 17,610 42,814 60,424	1,324,619 10,072,654 110,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19 0 13,736,108 2,669,869 1,439,162 9,607,076 9,625,446 17,486 42,512 59,999	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 Mar-19 0 13,736,108 2,719,122 1,445,959 9,571,027 9,589,052 17,420 42,352 59,772	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,534 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741 9,553,384 17,355 42,194 59,549	1,344,058 9,965,456 9,962,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 144,138 May-19 0 13,736,108 2,777,628 1,457,287 9,501,194 9,518,467 17,292 42,040 59,332	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 143,816 143,816 143,816 1,461,818 9,467,410 9,484,302 17,230 41,889 59,119	1,348,918 9,931,343 10,177,809 220,882 539,384 760,266 351,034 123,568 253,924 993,988 1,754,251
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 Jul-18 0 13,734,108 2,485,100 1,352,986 9,898,023 9,914,683 17,681 43,790 61,471 22,122 29,253	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 0 13,736,108 2,514,353 1,356,234 9,865,521 9,865,271 9,865,271 17,622 43,644 61,267	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 147,812 147,812 147,812 147,812 147,813 61,068 1,358,640 1,358,640 1,358,640 1,358,640 2,543,505 1,358,640 1,358,640 2,543,505 1,358,640 2,543,505 1,358,640 2,543,505 1,358,640 2,543,505 1,358,640 2,543,505 1,358,640 2,543,505 1,358,640 2,543,505 1,358,640 2,21,22 29,253	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 20,851 83,180 0 147,516 147,516 0 13,736,(108 2,572,858 1,360,302 9,812,938 17,509 43,365 60,874	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,054 20,755 83,084 147,229 147,229 147,229 147,229 147,229 147,229 147,229 147,236 60,685	1,236,975 10,218,804 110,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 13,736,108 2,631,364 1,361,36	1,316,590 10,109,936 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 13,736,108 2,600,617 1,431,676 17,610 42,814 60,424 22,122 29,253	1,324,619 10,072,654 10,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,147 145,145 17,486 17,486 17,486 17,486 17,486 17,486 17,486 12,59,999	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803 144,803 144,803 144,803 144,803 144,803 144,803 144,803 144,803 144,803	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,553,741 9,553,384 17,355 42,194 59,549	1,344,058 9,965,456 9,962,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 144,138 144,138 2,777,628 1,457,287 9,501,194 9,518,467 17,292 42,040 59,332 22,122 22,253	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 143,816 143,816 1443,816 1443,816 1443,816 145,916 9,484,302 17,230 41,889 59,119 22,122 29,253	1,348,918 9,931,343 10,177,369 220,882 539,384 760,266 265,460 351,034 123,566 253,924 993,985 1,754,251 Annual-18/19 0 13,736,108 2,806,881 1,401,818 9,407,410 9,706,253 209,629 514,431 724,061
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Book Depreciation Plus Deferred Taxes Plus Gurent Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Equity Return Total Return Income Statement Items Plus Poperty Taxes	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 Jul-18 0 13,756,108 2,485,100 13,52,986 9,898,023 9,914,683 17,681 43,790 61,471	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 13,736,108 2,514,535 1,356,234 9,865,521 9,881,772 17,622 43,644 61,267	1,234,154 10,309,383 10,325,390 18,930 45,604 45,604 64,534 22,122 29,255 10,954 20,949 83,278 147,812 Sep-18 0 13,736,108 2,543,05 13,58,664 9,833,839 9,849,680 17,565 43,503 61,068	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 29,851 83,180 0 13,736,108 2,572,858 1,360,302 9,802,948 9,818,393 17,509 43,365 60,874	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121 9,772,877 9,787,912 17,455 43,230 60,685	1,236,975 10,218,804 10,233,445 18,761 45,198 63,959 22,122 29,255 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 1,361,187 9,743,597 9,758,237 17,402 43,099 60,501	1,316,590 10,109,336 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,899 0 13,736,108 2,600,617 4,31,676 9,643,815 9,693,706 17,610 42,814 60,424	1,324,619 10,072,654 110,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19 0 13,736,108 2,669,869 1,439,162 9,607,076 9,625,446 17,486 42,512 59,999	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 Mar-19 0 13,736,108 2,719,122 1,445,959 9,571,027 9,589,052 17,420 42,352 59,772	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,534 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741 9,553,384 17,355 42,194 59,549	1,344,058 9,965,456 9,962,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 144,138 May-19 0 13,736,108 2,777,628 1,457,287 9,501,194 9,518,467 17,292 42,040 59,332	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 143,816 143,816 143,816 1,461,818 9,467,410 9,484,302 17,230 41,889 59,119	1,348,918 9,931,343 10,177,050 220,882 539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 1,754,251 1,754,251 1,754,251 2,806,881 1,461,818 9,467,410 9,706,253 209,629 514,431 724,061
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement State Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 Jul-18 0 13,756,108 2,485,100 1,352,986 9,898,023 9,914,683 43,790 61,471 22,212 22,253 9,640	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,1050 83,379 148,116 148,116 Aug-18 0 13,736,108 2,514,353 1,356,234 9,865,521 17,622 43,644 61,267 22,122 29,253 9,640	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 Sep-18 0 13,736,108 2,543,005 1,558,664 9,833,839 9,849,680 17,565 43,563 61,068	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 20,851 83,180 147,516 147,516 Oct-18 0 13,736,108 2,572,858 1,360,302 9,802,948 9,818,393 17,509 43,365 60,874 22,122 29,253	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121 9,772,877 9,787,912 17,455 43,230 60,685	1,236,975 10,218,804 110,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 1,361,147 9,743,597 9,758,237 17,402 43,099 60,501 22,122 29,253 9,640	1,316,590 10,109,336 10,164,370 18,126 44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 Jan-19 0 145,828 145,828 145,828 7 145,828 145,828 145,828 2,660,617 1,431,676 9,643,766 17,610 42,814 60,424 22,122 29,253 8,988	1,324,619 10,072,654 110,091,295 17,996 44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19 0 13,736,108 2,689,869 1,439,162 9,607,076 9,625,446 17,486 42,512 59,999 22,122 29,253 8,988	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 Mar-19 0 13,736,108 2,719,122 1,445,959 9,589,052 17,420 42,352 59,772 22,122 29,253 8,988	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741 9,553,384 17,355 42,194 59,549 22,122 22,212 22,212 22,212 22,212 22,212 22,212 22,212 22,212 22,212	1,344,058 9,965,456 9,982,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 0 13,736,108 2,777,628 1,457,287 9,501,194 9,518,467 17,292 42,040 59,332 22,122 29,253 8,988	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 143,816 9,484,302 17,230 41,889 9,484,302 17,230 41,889 59,119 22,122 29,253 8,988	1,348,918 9,931,343 10,177,050 220,882 539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 1,754,251 1,754,251 1,754,251 2,806,881 1,461,818 9,467,410 9,706,253 209,629 514,431 724,061
Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Debt Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Book Depreciation Plus Deferred Taxes Plus Gurrent Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return Income Statement Items Plus Poperty Taxes Plus Book Depreciation Plus Deferred Taxes Plus Book Depreciation Plus Deferred Taxes Plus Deoperty Taxes Plus Book Depreciation Plus Deferred Taxes	10,374,341 10,391,278 19,051 45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 Jul-18 0 13,754,108 2,485,100 13,754,108 2,485,100 61,471 43,790 61,471 22,122 29,253 9,914,683	10,341,397 10,357,869 18,989 45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 13,736,108 2,514,353 1,356,234 9,865,521 9,881,772 17,622 43,644 61,267 22,122 29,253 9,640 20,913	1,234,154 10,309,383 10,325,390 18,930 45,604 64,534 64,534 22,122 29,253 10,954 20,949 83,278 147,812 Sep-18 0 13,736,108 2,543,605 13,736,108 2,543,605 13,736,108 2,543,605 13,736,108 2,543,605 13,736,108 2,543,605 17,565 43,503 61,068	10,278,270 10,293,826 18,872 45,464 64,336 22,122 29,253 10,954 29,851 147,516 147,516 0 13,736,108 2,572,858 1,360,302 9,802,948 9,818,393 17,509 43,365 60,874 22,122 29,253 9,640 20,716	1,236,945 10,248,086 10,263,178 18,816 45,329 64,145 22,122 29,253 83,084 147,229 Nov-18 0 13,736,108 2,602,111 13,61,121 9,772,877 9,787,912 17,455 43,230 60,685 22,122 29,253 9,640 20,621	1,236,975 10,218,804 110,233,445 18,761 45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 13,614 13,61,47 9,743,597 9,758,237 17,402 43,099 60,501 22,122 29,253 9,640 20,528	1,316,590 10,109,336 10,164,370 18,126 44,893 63,019 22,122 29,253 3,9,640 21,794 82,809 145,828 Jan-19 0 13,736,108 2,660,617 1,431,676 9,643,815 9,693,706 17,610 42,814 60,424 22,122 29,253 8,988 20,996	1,324,619 10,072,654 117,996 44,570 62,566 22,122 29,233 9,640 21,566 82,581 145,147 Feb-19 0 13,736,108 2,689,869 145,145 145,147 Feb-19 2,607,076 9,625,446 17,486 42,512 59,999 22,122 29,253 8,988	1,331,909 10,036,111 10,054,382 17,930 44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 Mar-19 0 13,736,108 2,719,122 1,445,592 9,571,027 9,589,052 17,420 42,352 59,772 22,122 29,253 8,988 20,670	1,338,380 10,000,387 10,018,249 17,866 44,247 62,113 22,122 29,253 4,554 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741 9,553,384 17,355 42,194 59,549 22,122 29,253 8,988 20,559	1,344,058 9,965,456 9,962,921 17,803 44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 0 13,736,108 2,777,628 1,457,287 9,501,194 9,518,467 17,292 42,040 59,332 22,122 29,253 8,988 20,458	1,348,918 9,931,343 9,948,399 17,741 43,939 61,680 22,122 29,253 43,816 Jun-19 0 13,736,108 2,806,881 1,401,818 9,467,410 9,484,302 17,230 41,889 59,119 22,122 29,253 8,988 20,943	1,348,918 9,931,343 10,177,950 220,882 539,384 760,266 265,460 351,034 1215,68 253,924 993,985 1,754,251 0 13,736,108 2,280,681 1,461,818 9,467,410 9,706,253 209,629 514,431 724,961 265,460 351,034 117,72

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Rate Base	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Annual-15/16
Plus CWIP Ending Balance	0	0	0	0	0	0	0	0	0	0	0	0	0
Plus Plant In-Service	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108
Less Book Depreciation Reserve Less Accum Deferred Taxes	1,431,998 951,229	1,461,251 965,885	1,490,504 980,541	1,519,757 995,197	1,549,009 1,009,853	1,578,262 1,024,509	1,607,515 1,036,121	1,636,768 1,046,662	1,666,021 1,056,200	1,695,274 1,064,667	1,724,526 1,072,097	1,753,779 1,078,456	1,753,779 1,078,456
End Of Month Rate Base	11,352,881	11,308,972	11,265,063	11,221,154	11,177,246	11,133,337	11,092,472	11,052,679	11,013,888	10,976,168	10,939,485	10,903,873	10,903,873
Average Rate Base (BOM/EOM)	11,374,836	11,330,927	11,287,018	11,243,109	11,199,200	11,155,291	11,112,904	11,072,576	11,033,283	10,995,028	10,957,827	10,921,679	11,140,306
Calculation of Return													
Plus Debt Return	21,328	21,245	21,163	21,081	20,999	20,916	20,559	20,484	20,412	20,341	20,272	20,205	249,005
Plus Equity Return	50,428	50,234	50,039	49,844	49,650	49,455	49,175	48,996	48,822	48,653	48,488	48,328	592,114
Total Return	71,756	71,479	71,202	70,925	70,648	70,371	69,733	69,480	69,234	68,994	68,760	68,534	841,118
Income Statement Items													
Plus Property Taxes	22,532	22,532	22,532	22,532	22,532	22,532	22,122	22,122	22,122	22,122	22,122	22,122	267,922
Plus Book Depreciation	29,253	29,253	29,253	29,253	29,253	29,253	29,253	29,253	29,253	29,253	29,253	29,253	351,034
Plus Deferred Taxes	14,656 20,559	14,656	14,656 20,284	14,656	14,656 20,009	14,656 19,872	12,649	12,649	12,649	12,649	12,649	12,649	163,827
Plus Current Taxes Total Income Statement Expense	87,000	20,421 86,862	86,725	20,147 86,587	86,450	86,313	21,732 85,755	21,606 85,629	21,483 85,506	21,364 85,387	21,248 85,271	21,135 85,158	249,860 1,032,643
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Total Revenue Requirements	158,756	158,341	157,927	157,513	157,098	156,684	155,488	155,109	154,740	154,381	154,031	153,691	1,873,761
Jurisdictional Revenue Requirement	158,756	158,341	157,927	157,513	157,098	156,684	155,488	155,109	154,740	154,381	154,031	153,691	1,873,761
	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Annual-16/17
Rate Base	** *		•					•	•	•	* '		.,
Plus CWIP Ending Balance	0	0	0	0	0	0	0	0	0	0	0	0	0
Plus Plant In-Service	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108
Less Book Depreciation Reserve Less Accum Deferred Taxes	1,783,032 1,083,778	1,812,285 1,088,028	1,841,538 1.091,208	1,870,790 1,093,351	1,900,043 1.094.422	1,929,296 1.094.456	1,958,549 1,186,346	1,987,802 1,195,469	2,017,055 1,203,752	2,046,307 1,211,105	2,075,560 1,217,557	2,104,813 1,223,080	2,104,813 1,223,080
End Of Month Rate Base	1,085,778	10,835,795	10,803,363	10,771,967	10,741,643	10,712,356	10,591,214	10,552,838	10,515,302	10,478,696	10,442,991	10,408,216	10,408,216
Average Rate Base (BOM/EOM)	10,886,586	10,852,547	10,819,579	10,787,665	10,756,805	10,727,000	10,651,785	10,572,026	10,534,070	10,496,999	10,460,843	10,425,603	10,664,292
Cl. 1.c. CD.													
Calculation of Return Plus Debt Return	20,140	20,077	20,016	19,957	19,900	19,845	19,528	19,382	19,312	19,244	19,178	19,114	235,695
Plus Equity Return	48,173	48,023	47,877	47,735	47,599	47,467	47,045	46,693	46,525	46,362	46,202	46,046	565,748
Total Return	68,313	68,100	67,893	67,693	67,499	67,312	66,574	66,075	65,838	65,606	65,380	65,160	801,443
Income Statement Items	22.122	22.122	22.122	22122	22.122	22.122	22.122	22.122	22.122	22.122	22.122	22.122	2/5//
Plus Property Taxes Plus Book Depreciation	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	22,122 29,253	265,460 351,034
Plus Deferred Taxes	12,649	12,649	12,649	12,649	12,649	12,649	10,954	10,954	10,954	10,954	10,954	10,954	141,616
Plus Current Taxes	21,025	20,919	20,816	20,716	20,620	20,527	21,966	21,718	21,600	21,484	21,371	21,262	254,025
Total Income Statement Expense	85,048	84,942	84,839	84,739	84,643	84,550	84,295	84,046	83,928	83,813	83,700	83,590	1,012,134
Total Revenue Requirements	153,362	153,042	152,732	152,432	152,142	151,862	150,869	150,122	149,766	149,419	149,080	148,750	1,813,577
Jurisdictional Revenue Requirement	153,362	153,042	152,732	152,432	152,142	151,862	150,869	150,122	149,766	149,419	149,080	148,750	1,813,577
Rate Base	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Annual-17/18
Plus CWIP Ending Balance	0	0	0	0	0	0	0	0	0	0	0	0	0
Plus Plant In-Service	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108
Less Book Depreciation Reserve	2,134,066	2,163,319	2,192,572	2,221,824	2,251,077	2,280,330	2,309,583	2,338,836	2,368,088	2,397,341	2,426,594	2,455,847	2,455,847
Less Accum Deferred Taxes	1,227,701	1,231,393	1,234,154	1,236,014	1,236,945	1,236,975	1,316,590	1,324,619	1,331,909	1,338,380	1,344,058	1,348,918	1,348,918
End Of Month Rate Base Average Rate Base (BOM/EOM)	10,374,341 10,391,278	10,341,397 10,357,869	10,309,383 10,325,390	10,278,270 10,293,826	10,248,086 10,263,178	10,218,804 10,233,445	10,109,936 10,164,370	10,072,654 10,091,295	10,036,111 10,054,382	10,000,387 10,018,249	9,965,456 9,982,921	9,931,343 9,948,399	9,931,343 10,177,050
Trenge rate base (bont/11011)	10,001,210	10,007,007	10,020,000	10,222,020	10,200,170	10,200,110	10,101,570	10,071,273	10,001,002	10,010,210	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2,210,222	10,177,000
Calculation of Return													
Plus Debt Return													
Plus Equity Return	19,051	18,989	18,930	18,872	18,816	18,761	18,126	17,996	17,930	17,866	17,803	17,741	220,882
Total Return	45,895	45,747	45,604	45,464	45,329	45,198	44,893	44,570	44,407	44,247	44,091	43,939	539,384
Total Return													
Income Statement Items	45,895 64,945	45,747 64,737	45,604 64,534	45,464 64,336	45,329 64,145	45,198 63,959	44,893 63,019	44,570 62,566	44,407 62,337	44,247 62,113	44,091 61,894	43,939 61,680	539,384 760,266
Income Statement Items Plus Property Taxes	45,895 64,945 22,122	45,747 64,737 22,122	45,604 64,534 22,122	45,464 64,336 22,122	45,329 64,145 22,122	45,198 63,959 22,122	44,893 63,019 22,122	44,570 62,566 22,122	44,407 62,337 22,122	44,247 62,113 22,122	44,091 61,894 22,122	43,939 61,680 22,122	539,384 760,266 265,460
Income Statement Items Plus Property Taxes Plus Book Depreciation	45,895 64,945 22,122 29,253	45,747 64,737 22,122 29,253	45,604 64,534 22,122 29,253	45,464 64,336 22,122 29,253	45,329 64,145 22,122 29,253	45,198 63,959 22,122 29,253	44,893 63,019 22,122 29,253	44,570 62,566 22,122 29,253	44,407 62,337 22,122 29,253	44,247 62,113 22,122 29,253	44,091 61,894 22,122 29,253	43,939 61,680 22,122 29,253	539,384 760,266 265,460 351,034
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes	45,895 64,945 22,122	45,747 64,737 22,122	45,604 64,534 22,122	45,464 64,336 22,122 29,253 10,954	45,329 64,145 22,122	45,198 63,959 22,122 29,253 10,954	44,893 63,019 22,122	44,570 62,566 22,122	44,407 62,337 22,122	44,247 62,113 22,122	44,091 61,894 22,122 29,253 9,640	43,939 61,680 22,122	539,384 760,266 265,460 351,034 123,568
Income Statement Items Plus Property Taxes Plus Book Depreciation	45,895 64,945 22,122 29,253 10,954	45,747 64,737 22,122 29,253 10,954	45,604 64,534 22,122 29,253 10,954	45,464 64,336 22,122 29,253	45,329 64,145 22,122 29,253 10,954	45,198 63,959 22,122 29,253	44,893 63,019 22,122 29,253 9,640	44,570 62,566 22,122 29,253 9,640	44,407 62,337 22,122 29,253 9,640	44,247 62,113 22,122 29,253 9,640	44,091 61,894 22,122 29,253	43,939 61,680 22,122 29,253 9,640	539,384 760,266 265,460 351,034
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense	45,895 64,945 22,122 29,253 10,954 21,155 83,483	45,747 64,737 22,122 29,253 10,954 21,050 83,379	45,604 64,534 22,122 29,253 10,954 20,949 83,278	45,464 64,336 22,122 29,253 10,954 20,851 83,180	45,329 64,145 22,122 29,253 10,954 20,755 83,084	45,198 63,959 22,122 29,253 10,954 20,663 82,991	44,893 63,019 22,122 29,253 9,640 21,794 82,809	44,570 62,566 22,122 29,253 9,640 21,566 82,581	44,407 62,337 22,122 29,253 9,640 21,451 82,466	44,247 62,113 22,122 29,253 9,640 21,339 82,354	44,091 61,894 22,122 29,253 9,640 21,229 82,244	43,939 61,680 22,122 29,253 9,640 21,121 82,136	539,384 760,266 265,460 351,034 123,568 253,924 993,985
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense Total Revenue Requirements	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429	45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812	45,464 64,336 22,122 29,253 10,954 20,851 83,180	45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467	22,122 29,253 9,640 21,229 82,244	43,939 61,680 22,122 29,253 9,640 21,121 82,136	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense	45,895 64,945 22,122 29,253 10,954 21,155 83,483	45,747 64,737 22,122 29,253 10,954 21,050 83,379	45,604 64,534 22,122 29,253 10,954 20,949 83,278	45,464 64,336 22,122 29,253 10,954 20,851 83,180	45,329 64,145 22,122 29,253 10,954 20,755 83,084	45,198 63,959 22,122 29,253 10,954 20,663 82,991	44,893 63,019 22,122 29,253 9,640 21,794 82,809	44,570 62,566 22,122 29,253 9,640 21,566 82,581	44,407 62,337 22,122 29,253 9,640 21,451 82,466	44,247 62,113 22,122 29,253 9,640 21,339 82,354	44,091 61,894 22,122 29,253 9,640 21,229 82,244	43,939 61,680 22,122 29,253 9,640 21,121 82,136	539,384 760,266 265,460 351,034 123,568 253,924 993,985
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429	45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812	45,464 64,336 22,122 29,253 10,954 20,851 83,180	45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467	22,122 29,253 9,640 21,229 82,244	43,939 61,680 22,122 29,253 9,640 21,121 82,136	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Decirred Taxes Plus Current Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 Jul-18	45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 Aug-18	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 147,812	45,464 64,336 22,122 29,253 10,954 20,851 83,180 147,516 Oct-18	45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 147,229 Nov-18	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 146,950 Dec-18	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 144,467	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 144,138	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Gurrent Taxes Plus Gurrent Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 Jul-18	45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 Aug-18	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 147,812 0	45,464 64,336 22,122 29,253 10,954 20,851 83,180 147,516 147,516 Oct-18	45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 147,229 Nov-18	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 146,950 Dec-18	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 144,467 0	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 144,138	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 0	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 Annual-18/19
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 Jul-18 0 13,736,108	45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 Aug-18 0 13,736,108	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 147,812 Scp-18 0 13,736,108	45,464 64,336 22,122 29,253 10,954 20,851 83,180 147,516 Oct-18 0 13,736,108	45,329 64,145 22,122 29,253 10,994 20,755 83,084 147,229 147,229 Nov-18 0 13,736,108	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 13,736,108	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19 0 13,736,108	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 Mar-19 0 13,736,108	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 Apr-19 0 13,736,108	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 144,138 May-19 0 13,736,108	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 Jun-19 0 13,736,108	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 Annual-18/19 0 13,736,108
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Gurrent Taxes Plus Gurrent Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 Jul-18	45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 Aug-18	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 147,812 0	45,464 64,336 22,122 29,253 10,954 20,851 83,180 147,516 147,516 Oct-18	45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 147,229 Nov-18	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 146,950 Dec-18	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 144,467 0	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 144,138	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 Jun-19 0 13,736,108 2,806,881	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 Annual-18/19
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus DeGrered Taxes Plus Gurrent Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 Jul-18 0 13,736,108 2,485,100	45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 Aug-18 0 13,736,108 2,514,353 1,356,234 9,865,521	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 147,812 Sep-18 0 13,736,108 2,543,005	45,464 64,336 22,122 29,253 10,954 20,851 83,180 147,516 Oct-18 0 13,736,108 2,572,858	45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 1,361,147 9,743,597	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 13,736,108 2,660,617 1,431,676 9,643,815	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 Feb-19 0 13,736,108 2,689,869 1,439,162 9,607,976	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 Mar-19 0 13,736,108 2,719,122 1,445,059 9,571,027	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 144,138 May-19 0 0 13,736,108 2,777,628	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 Jun-19 0 13,736,108	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 Annual-18/19 0 13,736,108 2,806,881
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Plus Current Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Book Depreciation Reserve Less Accum Deferred Taxes	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 Jul-18 0 13,736,108 2,485,100 1,152,2986	45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 0 13,736,108 2,514,353 1,356,234	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 147,812 0 13,736,108 2,543,608	45,464 64,336 22,122 29,253 10,954 20,851 83,180 147,516 Oct-18 0 13,736,108 2,572,858 1,360,302	45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 1,361,147	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 13,736,108 2,660,617 1,431,676	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19 0 13,736,108 2,689,869	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803 Mar-19 0 13,736,108 2,719,122 1,445,959	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 Apr-19 0 13,736,108 2,748,378 1,451,992	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 0 13,736,108 2,777,628	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 Jun-19 0 13,736,108 2,806,881 1,461,818	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 Annual-18/19 0 13,736,108 2,806,881 1,461,818
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM)	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 Jul-18 0 13,736,108 2,485,100 1,352,986 9,898,023	45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 Aug-18 0 13,736,108 2,514,353 1,356,234 9,865,521	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 Sep-18 0 13,736,108 2,543,605 1,358,644 9,833,833	45,464 64,336 22,122 29,253 10,954 20,851 83,180 147,516 0 0 13,736,108 2,572,858 1,360,302 9,802,948	45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 1,361,147 9,743,597	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 13,736,108 2,660,617 1,431,676 9,643,815	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 Feb-19 0 13,736,108 2,689,869 1,439,162 9,607,976	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 Mar-19 0 13,736,108 2,719,122 1,445,059 9,571,027	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 0 13,736,108 2,777,628 1,457,287 9,50,1194	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 0 13,736,108 2,806,881 1,461,818 9,467,410	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 Annual-18/19 0 13,736,108 2,806,881 1,461,818 9,467,410
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Bate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 Jul-18 0 13,736,108 2,485,100 1,352,986 9,898,023 9,914,683	45,747 64,737 22,122 29,253 10,954 21,050 83,579 148,116 Aug-18 0 1,3736,108 2,514,353 1,356,224 9,865,521 9,881,772	45,604 64,534 22,122 29,253 10,954 83,278 147,812 147,812 Sep-18 0 13,736,108 2,543,605 1,558,664 9,833,839 9,849,680	45,464 64,336 22,122 29,253 10,954 20,851 83,180 147,516 Oct-18 0 13,736,108 2,572,858 1,360,302 9,812,393	45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121 9,772,877 9,787,912	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 1,361,147 9,743,597 9,758,237	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 13,736,108 2,660,617 1,431,676 9,643,815 9,693,706	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19 0 13,736,186 2,689,869 1,439,162 9,607,076 9,625,446	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 Mar-19 0 13,736,108 2,719,122 1,445,90 9,571,027 9,589,052	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741 9,553,384	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 0 13,736,108 2,777,628 1,457,287 9,501,194	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 143,816 0 0 13,736,108 2,806,881 1,461,818 9,467,410 9,484,302	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 Annual-18/19 0 13,736,108 2,806,881 1,461,818 9,467,410 9,706,253
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM)	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 Jul-18 0 13,736,108 2,485,100 1,352,986 9,898,023	45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 0 13,736,108 2,514,353 1,356,244 9,865,521 9,881,772	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 Sep-18 0 13,736,108 2,543,605 1,358,644 9,833,833	45,464 64,336 22,122 29,253 10,954 20,851 83,180 147,516 0 0 13,736,108 2,572,858 1,360,302 9,802,948	45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 1,361,147 9,743,597	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 13,736,108 2,660,617 1,431,676 9,643,815	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 Feb-19 0 13,736,108 2,689,869 1,439,162 9,607,976	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 Mar-19 0 13,736,108 2,719,122 1,445,059 9,571,027	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 0 13,736,108 2,777,628 1,457,287 9,50,1194	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 0 13,736,108 2,806,881 1,461,818 9,467,410	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 Annual-18/19 0 13,736,108 2,806,881 1,461,818 9,467,410
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Gurrent Taxes Plus Gurrent Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 Jul-18 0 13,736,108 2,485,100 1,552,986 9,898,023 9,914,683	45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 0 13,736,108 2,514,553 1,556,234 9,865,521 9,881,772	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 147,812 0 13,736,108 2,543,605 9,849,680 17,565	45,464 64,336 22,122 29,253 10,954 29,851 83,180 147,516 147,516 0 13,736,108 2,572,858 1,560,302 9,802,948 9,818,393	45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121 9,772,877 9,787,912 17,455	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 1,361,147 9,743,597 9,758,237	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 13,736,108 2,660,108 9,643,815 9,693,706	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 0 13,736,108 2,689,869 9,607,076 9,625,446	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803 Mar-19 0 13,736,108 2,719,122 9,589,052	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 144,467 144,467 144,467 144,467 1,451,992 9,535,741 9,553,384	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 144,138 0 13,736,108 2,777,628 9,501,194 9,518,467	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 143,816 0 13,736,108 2,806,881 1,461,818 9,467,410 9,484,502	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 Annual-18/19 0 13,736,108 2,806,881 1,461,818 9,467,410 9,706,253
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Gurrent Taxes Plus Current Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Equity Return Total Return	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 Jul-18 0 13,736,108 2,485,100 9,898,023 9,914,683	45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 0 13,736,108 2,514,353 1,356,244 9,865,521 9,881,772	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 147,812 Sep-18 0 13,736,108 2,543,605 1,358,664 9,833,839 9,849,680	45,464 64,336 22,122 29,253 10,954 20,851 83,180 147,516 Oct-18 0 13,736,108 2,572,858 1,300,302 9,802,948 9,818,393	45,329 64,145 22,122 29,253 10,954 20,755 83,084 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121 9,772,877 9,787,912	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 1,361,47 9,743,597 9,743,597 9,758,237	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 13,736,108 2,660,617 4,31,676 9,643,815 9,693,706	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19 0 13,736,108 2,689,869 1,439,162 9,607,076 9,625,446	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803 Mar-19 0 13,736,108 2,719,122 1,445,592 9,571,027 9,589,052	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741 9,553,384	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 144,138 May-19 0 13,736,108 2,777,628 4,457,287 9,501,194 9,518,467	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 Jun-19 0 13,736,108 2,806,881 1,461,818 9,467,410 9,484,302	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 Annual-18/19 0 13,736,108 2,806,881 1,461,818 9,467,410 9,706,253
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Bate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Depti Return Total Return Total Return Income Statement Items	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 Jul-18 0 13,736,108 2,485,100 1,352,986 9,898,023 9,914,683	45,747 64,737 22,122 29,253 10,954 21,050 83,579 148,116 Aug-18 0 13,736,108 2,514,553 1,356,224 9,865,521 17,622 43,644 61,267	45,604 64,534 22,122 29,253 10,954 83,278 147,812 147,812 Sep-18 0 13,736,108 2,543,605 1,558,664 9,833,839 9,849,680 17,565 43,503 61,068	45,464 64,336 22,122 29,253 10,954 83,180 147,516 147,516 Oct-18 0 13,736,108 2,572,858 1,360,902 9,812,393 17,509 43,365 60,874	45,229 64,145 22,122 29,253 10,954 20,755 83,084 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121 9,772,877 9,787,912 17,455 43,230 60,685	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 1,361,147 9,743,597 9,758,237	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 3,736,108 2,660,617 1,431,676 9,643,815 9,693,706	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19 0 13,736,108 2,689,869 1,439,162 9,607,076 9,625,446 17,486 42,512 59,999	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 Mar-19 0 13,736,108 2,719,122 1,445,959 9,571,027 9,589,052 17,420 42,552 59,772	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741 9,553,384 17,355 42,194 59,549	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 0 13,736,108 2,777,628 1,457,287 9,501,194 9,518,467	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 2,806,881 1,461,818 9,467,410 9,484,302 17,230 11,	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 Annual-18/19 0 13,736,108 2,806,881 1,461,818 9,467,410 9,706,253 209,629 514,431 724,061
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Gurrent Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base End Of Month Rate Base (BOM/EOM) Calculation of Return Plus Equity Return Total Return Income Statement Items Plus Property Taxes	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 148,429 10,13736,108 2,485,100 1,352,986 9,898,023 9,914,683 17,681 43,790 61,471	45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 0 13,736,108 2,514,535 1,356,234 9,865,521 9,881,772 17,622 43,644 61,267	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 147,812 10,3736,108 2,543,605 9,849,680 17,565 43,503 61,068	45,464 64,336 22,122 29,253 10,054 29,851 83,180 147,516 147,516 0 13,736,198 2,572,858 1,360,302 9,802,948 9,818,393 17,509 43,365 60,874	45,229 64,145 22,122 29,253 10,954 20,755 83,084 147,229 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121 9,772,877 9,787,912 17,455 43,230 60,685	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 146,950 Dec-18 0 13,736,108 2,631,364 1,361,147 9,743,597 9,758,237 17,402 43,099 60,501	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 145,828 145,828 17,610 13,736,108 2,660,617 1,431,676 9,643,815 9,693,706	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 17,45,108 9,67,076 9,625,446 17,486 42,512 59,999	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803 144,803 144,803 144,803 17,19,122 9,589,052 17,420 42,552 59,7772	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741 9,553,384 17,355 42,194 59,549	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 144,138 144,138 147,7287 9,501,194 9,518,467 17,292 42,040 59,332	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 143,816 9,47,410 9,484,302 17,230 41,889 59,119	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 1,754,251 20,628 1,461,818 9,467,410 9,706,253 209,629 514,431 724,061
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Bate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Depti Return Total Return Total Return Income Statement Items	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 Jul-18 0 13,736,108 2,485,100 1,352,986 9,898,023 9,914,683	45,747 64,737 22,122 29,253 10,954 21,050 83,579 148,116 Aug-18 0 13,736,108 2,514,553 1,356,224 9,865,521 17,622 43,644 61,267	45,604 64,534 22,122 29,253 10,954 83,278 147,812 147,812 Sep-18 0 13,736,108 2,543,605 1,558,664 9,833,839 9,849,680 17,565 43,503 61,068	45,464 64,336 22,122 29,253 10,954 83,180 147,516 147,516 Oct-18 0 13,736,108 2,572,858 1,360,902 9,812,393 17,509 43,365 60,874	45,229 64,145 22,122 29,253 10,954 20,755 83,084 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121 9,772,877 9,787,912 17,455 43,230 60,685	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 1,361,147 9,743,597 9,758,237	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 3,736,108 2,660,617 1,431,676 9,643,815 9,693,706	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19 0 13,736,108 2,689,869 1,439,162 9,607,076 9,625,446 17,486 42,512 59,999	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 Mar-19 0 13,736,108 2,719,122 1,445,959 9,571,027 9,589,052 17,420 42,552 59,772	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741 9,553,384 17,355 42,194 59,549	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 0 13,736,108 2,777,628 1,457,287 9,501,194 9,518,467	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 2,806,881 1,461,818 9,467,410 9,484,302 17,230 41,889 59,119	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 Annual-18/19 0 13,736,108 2,806,881 1,461,818 9,467,410 9,706,253 209,629 514,431 724,061
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus DeGrered Taxes Plus Gurrent Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Bate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Debt Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 148,429 148,429 10,1352,986 9,898,023 9,914,683 17,681 43,790 61,471	45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 0 13,736,108 2,514,353 1,356,24 9,865,521 9,881,772 17,622 43,644 61,267	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 147,812 Sep-18 0 13,736,108 2,543,05 1,358,664 9,833,839 9,849,680 17,565 43,503 61,068	45,464 64,336 22,122 29,253 10,954 29,851 83,180 147,516 Oct-18 0 13,736,108 2,572,858 1,360,302 9,802,948 9,818,393 17,509 43,365 60,874	45,229 64,145 22,122 29,253 10,954 20,755 83,084 147,229 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121 9,772,877 9,787,912 17,455 43,230 60,685	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 1,361,1364 1,361,147 9,743,597 9,758,237 17,402 43,099 60,501 22,122 29,253	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 13,736,108 2,660,617 1,431,676 9,643,815 9,693,706 17,610 42,814 60,424 22,122 29,253	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Fcb-19 0 13,736,108 2,689,869 1,439,162 9,607,076 9,625,446 17,486 42,512 59,999	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803 Mar-19 0 13,736,108 2,719,122 1,445,959 9,571,027 9,589,052 17,420 42,352 59,772 22,122 29,253	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 144,467 Apr-19 0 13,736,108 2,748,73,74 4,194 59,533,384 17,355 42,194 59,549 22,122 29,253 8,988 20,559	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 144,138 May-19 0 13,736,108 2,777,628 1,457,287 9,501,194 9,518,467 17,292 42,040 59,332	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 143,816 9,47,410 9,484,302 17,230 41,889 59,119	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 1,754,251 201,030 13,736,108 2,806,881 1,461,818 9,467,410 9,706,253 209,629 514,431 724,061 265,460 351,034 111,772 248,409
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Total Income Statement Expense Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Bate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Debt Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Book Depreciation Plus Deferred Taxes Plus Book Depreciation Plus Deferred Taxes	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 Jul-18 0 13,736,108 2,485,100 1,352,986 9,89,023 9,914,683 17,681 43,790 61,471 22,122 29,253 9,640	45,747 64,737 22,122 29,253 10,954 21,050 83,579 148,116 Aug-18 0 13,736,108 2,514,353 1,356,234 9,865,521 9,881,772 17,622 43,644 61,267 22,122 29,253 9,640	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 Sep-18 0 13,736,108 2,543,605 1,586,604 9,833,839 9,849,680 17,565 43,503 61,068 22,122 22,122 22,253 9,640	45,464 64,336 22,122 29,253 10,954 20,851 83,180 147,516 147,516 Oct-18 0 13,736,108 2,572,858 1,360,302 9,802,948 9,818,393 17,509 43,365 60,874 22,122 29,253 9,640	45,229 64,145 22,122 29,253 10,954 20,755 83,084 147,229 147,229 Nov-18 0 13,736,108 2,602,111 1,361,121 9,772,877 9,787,912 17,455 43,230 60,685 22,122 29,253 9,640	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 Dec-18 0 13,736,108 2,631,364 1,361,147 9,743,597 9,758,257 17,402 43,099 60,501 22,122 29,253 9,640	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 Jan-19 0 13,736,108 2,660,617 1,431,676 9,643,815 9,693,706 17,610 42,814 60,424 22,122 22,253 8,988	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 Feb-19 0 13,736,188 2,689,869 1,439,162 9,607,076 9,625,446 42,512 59,999 22,122 29,253 8,988	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803 Mar-19 0 13,736,108 2,719,122 1,445,959 9,571,027 9,589,052 17,420 42,352 59,772 22,122 29,253 8,988	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 Apr-19 0 13,736,108 2,748,375 1,451,992 9,535,741 9,553,384 17,355 42,194 59,549 22,122 29,253 8,988	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 May-19 0 13,736,108 2,777,628 1,457,287 9,501,194 9,518,467 57,332 42,040 57,332 22,122 22,122 22,23 8,988	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 2,806,881 1,461,818 9,467,410 9,484,302 17,230 41,889 59,119 22,223 22,253 8,988	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 1,754,251 0 13,736,108 2,806,881 1,461,818 9,467,410 9,706,253 209,629 514,431 724,061 265,460 351,034 111,772
Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Gurrent Taxes Plus Gurrent Taxes Plus Gurrent Taxes Total Income Statement Expense Total Revenue Requirements Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return Plus Debt Return Total Return Income Statement Items Plus Property Taxes Plus Book Depreciation Plus Deferred Taxes Plus Deferred Taxes Plus Poperty Taxes Plus Book Depreciation Plus Deferred Taxes Plus Current Taxes Plus Poperty Taxes Plus Deferred Taxes Plus Property Taxes Plus Deferred Taxes	45,895 64,945 22,122 29,253 10,954 21,155 83,483 148,429 148,429 148,429 148,429 148,429 148,429 148,429 148,429 148,429 1,756,100 1,352,986 9,898,023 9,914,683 17,681 43,790 61,471 22,122 29,253 9,644 21,016	45,747 64,737 22,122 29,253 10,954 21,050 83,379 148,116 148,116 0 13,736,108 2,514,353 1,356,234 9,865,521 9,881,772 243,644 61,267 22,122 29,253 9,640 20,913	45,604 64,534 22,122 29,253 10,954 20,949 83,278 147,812 147,812 Sep-18 0 13,736,108 2,543,605 1,358,664 9,833,839 9,849,680 17,565 43,503 61,068 22,122 29,253 9,640 20,813	45,464 64,336 22,122 29,253 10,954 29,851 83,180 147,516 147,516 0 13,736,108 2,572,858 1,360,302 9,802,948 9,818,393 17,509 43,365 60,874 22,122 29,253 9,640 20,716	45,229 64,145 22,122 29,253 10,954 20,755 83,084 147,229 147,229 147,229 1,3736,108 2,602,111 1,361,121 9,772,877 9,787,912 17,455 43,230 60,685	45,198 63,959 22,122 29,253 10,954 20,663 82,991 146,950 146,950 Dec-18 0 13,736,108 2,631,364 1,361,147 9,743,597 9,758,237 17,402 43,099 60,501 22,122 29,253 9,640 20,528	44,893 63,019 22,122 29,253 9,640 21,794 82,809 145,828 145,828 145,828 145,828 1,3736,108 2,660,617 1,431,676 9,643,815 9,693,706 17,610 42,814 60,424 22,122 29,253 8,988 20,996	44,570 62,566 22,122 29,253 9,640 21,566 82,581 145,147 145,147 145,149 0 13,736,108 2,689,869 1,439,162 9,607,076 9,625,446 17,486 42,512 59,999 22,122 29,253 8,988 20,783	44,407 62,337 22,122 29,253 9,640 21,451 82,466 144,803 144,803 Mar-19 0 13,736,108 2,719,122 9,589,052 17,420 42,352 59,772 22,122 29,253 8,988 20,670	44,247 62,113 22,122 29,253 9,640 21,339 82,354 144,467 144,467 Apr-19 0 13,736,108 2,748,73,74 4,194 59,533,384 17,355 42,194 59,549 22,122 29,253 8,988 20,559	44,091 61,894 22,122 29,253 9,640 21,229 82,244 144,138 144,138 0 13,736,108 2,777,267 9,501,194 9,518,467 17,292 42,040 59,332 22,122 29,253 8,988 20,450	43,939 61,680 22,122 29,253 9,640 21,121 82,136 143,816 143,816 143,816 1,461,818 9,467,410 9,484,302 17,230 41,889 59,119 22,122 29,253 8,988 20,948	539,384 760,266 265,460 351,034 123,568 253,924 993,985 1,754,251 1,754,251 1,754,251 201,030 13,736,108 2,806,881 1,461,818 9,467,410 9,706,253 209,629 514,431 724,061 265,460 351,034 111,772 248,409

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				(Gas Track	er Detail							
			eplaceme						() ()				
Rate Base	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Annual-15/16
Plus CWIP Ending Balance	0	0	0	0	0	0	0	0	0	0	0	0	0
Plus Plant In-Service Less Book Depreciation Reserve	0	0	0	0	0	0	0	0	0	0	0	0	0
Less Accum Deferred Taxes	0	0	0	0	0	0	1,037	3,145	6,255	10,437	15,655	21,945	21,945
End Of Month Rate Base	0	0	0	0	0	0	(1,037)	(3,145)	(6,255)	(10,437)	(15,655)	(21,945)	(21,945)
Average Rate Base (BOM/EOM)	0	0	0	0	0	0	(518)	(2,091)	(4,700)	(8,346)	(13,046)	(18,800)	(3,958)
Calculation of Return													
Plus Debt Return	0	0	0	0	0	0	(1)	(4)	(9)	(15)	(24)	(35)	(88)
Plus Equity Return Total Return	0	0	0	0	0	0	(2)	(9)	(21)	(37)	(58)	(83)	(210)
							(-)	(- /	()	(-)	()	()	(/
Income Statement Items Plus Property Taxes	0				0		0	0		0	0	0	0
Plus Book Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0
Plus Deferred Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0
Plus Current Taxes	0	0	0	0	0	0	(2)	(7)	(15)	(26)	(41)	(59)	(148)
Total Income Statement Expense	0	0	0	0	0	0	(2)	(7)	(15)	(26)	(41)	(59)	(148)
Total Revenue Requirements	0	0	0	0	0	0	(5)	(20)	(44)	(78)	(123)	(177)	(446)
Jurisdictional Revenue Requirement	0	0	0	0	0	0	(5)	(20)	(44)	(78)	(123)	(177)	(446)
	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Annual-16/17
Rate Base	y	- 6 7					g = 1	/			-9 -1	y 1	
Plus CWIP Ending Balance	0	0	0	0	0	0	0	0	0	0	0	0	0
Plus Plant In-Service Less Book Depreciation Reserve	0	0	0	0	0	0	0	0	0	0	0	0	0
Less Accum Deferred Taxes	29,271	37,669	47,138	57,644	69,221	81,835	0	0	0	0	0	0	0
End Of Month Rate Base	(29,271)	(37,669)	(47,138)	(57,644)	(69,221)	(81,835)	0	0	0	0	0	0	0
Average Rate Base (BOM/EOM)	(25,608)	(33,470)	(42,404)	(52,391)	(63,433)	(75,528)	(40,918)	0	0	0	0	0	(27,813)
Calculation of Return													
Plus Debt Return	(47)	(62)	(78)	(97)	(117)	(140)	(75)	0	0	0	0	0	(617)
Plus Equity Return Total Return	(113)	(148)	(188)	(232)	(281)	(334)	(181)	0	0	0	0	0	(1,477)
Total Keturii	(101)	(210)	(200)	(329)	(320)	(+/+)	(230)	0	0	0	0	0	(2,093)
Income Statement Items													
Plus Property Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0
Plus Book Depreciation Plus Deferred Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0
Plus Current Taxes	(80)	(105)	(132)	(164)	(198)	(236)	(128)	0	0	0	0	0	(1,042)
Total Income Statement Expense	(80)	(105)	(132)	(164)	(198)	(236)	(128)	0	0	0	0	0	(1,042)
Total Revenue Requirements	(241)	(315)	(398)	(492)	(596)	(710)	(383)	0	0	0	0	0	(3.135)
Total Revenue Requirements Jurisdictional Revenue Requirement	(241) (241)	(315) (315)	(398) (398)	(492) (492)	(596) (596)	(710) (710)	(383) (383)	0	0	0	0	0	(3,135) (3,135)
	(241)	(315)	(398)	(492)	(596)	(710)	(383)	0	0	0	0	0	(3,135)
Jurisdictional Revenue Requirement													
Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance	(241) Jul-17	(315) Aug-17	(398) Sep-17	(492) Oct-17	(596) Nov-17	(710) Dec-17	(383) Jan-18	0 Feb-18	0 Mar-18	0 Apr-18	0 May-18	Jun-18	(3,135) Annual-17/18
Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service	Jul-17 0 0	(315) Aug-17 0 0	(398) Sep-17 0 0	(492) Oct-17 0 0	(596) Nov-17 0 0	(710) Dec-17 0 0	(383) Jan-18 0 0	0 Feb-18 0 0	0 Mar-18 0 0	0 Apr-18 0 0	0 May-18 0 0	Jun-18 0 0	(3,135) Annual-17/18 0 0
Jurisdictional Revenue Requirement Rate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve	(241) Jul-17	(315) Aug-17	(398) Sep-17	(492) Oct-17	(596) Nov-17	(710) Dec-17	(383) Jan-18	0 Feb-18	0 Mar-18 0 0 0	0 Apr-18	0 May-18	Jun-18	(3,135) Annual-17/18
Rate Base Plus CWTP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base	(241) Jul-17 0 0 0 0 0	(315) Aug-17 0 0 0 0 0 0 0	(398) Sep-17 0 0 0 0 0	(492) Oct-17 0 0 0 0 0	(596) Nov-17 0 0 0 0 0 0 0	(710) Dec-17 0 0 0 0 0 0 0	(383) Jan-18 0 0 0 0 0	Feb-18 0 0 0 0 0 0 0	0 Mar-18 0 0 0 0	0 Apr-18 0 0 0 0 0 0 0	0 May-18 0 0 0 0 0	0 Jun-18 0 0 0 0	(3,135) Annual-17/18 0 0 0 0 0
Bate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes	(241) Jul-17 0 0 0 0 0 0	(315) Aug-17 0 0 0 0	(398) Sep-17 0 0 0 0	(492) Oct-17 0 0 0 0	(596) Nov-17 0 0 0 0	(710) Dec-17 0 0 0 0 0	(383) Jan-18 0 0 0	0 Feb-18 0 0 0	0 Mar-18 0 0 0	0 Apr-18 0 0 0 0	0 May-18 0 0 0	Jun-18 0 0 0 0 0	(3,135) Annual-17/18 0 0 0 0 0
Bate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM)	(241) Jul-17 0 0 0 0 0	(315) Aug-17 0 0 0 0 0 0 0	(398) Sep-17 0 0 0 0 0	(492) Oct-17 0 0 0 0 0	(596) Nov-17 0 0 0 0 0 0 0	(710) Dec-17 0 0 0 0 0 0 0	(383) Jan-18 0 0 0 0 0	Feb-18 0 0 0 0 0 0 0	0 Mar-18 0 0 0 0	0 Apr-18 0 0 0 0 0 0 0	0 May-18 0 0 0 0 0	0 Jun-18 0 0 0 0	(3,135) Annual-17/18 0 0 0 0 0
Bate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return	(241) Jul-17 0 0 0 0 0 0 0 0	(315) Aug-17 0 0 0 0 0 0 0 0	(398) Scp-17 0 0 0 0 0 0 0 0	(492) Oct-17 0 0 0 0 0 0 0 0	(596) Nov-17 0 0 0 0 0 0 0 0 0	(710) Dec-17 0 0 0 0 0 0 0 0 0	(383) Jan-18 0 0 0 0 0 0 0 0	0 Feb-18 0 0 0 0 0 0	0 Mar-18 0 0 0 0 0	0 Apr-18 0 0 0 0 0 0 0 0 0	0 May-18 0 0 0 0 0	Jun-18 0 0 0 0 0 0 0 0 0	(3,135) Annual-17/18 0 0 0 0 0 0 0 0 0
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Bate Base Plus CWIP Ending Balance Plus Plant In-Service Less Book Depreciation Reserve Less Accum Deferred Taxes End Of Month Rate Base Average Rate Base (BOM/EOM) Calculation of Return Plus Debt Return	(241) Jul-17 0 0 0 0 0 0 0 0	(315) Aug-17 0 0 0 0 0 0 0 0	(398) Scp-17 0 0 0 0 0 0 0 0	(492) Oct-17 0 0 0 0 0 0 0 0	(596) Nov-17 0 0 0 0 0 0 0 0 0	(710) Dec-17 0 0 0 0 0 0 0 0 0	(383) Jan-18 0 0 0 0 0 0 0 0	0 Feb-18 0 0 0 0 0 0	0 Mar-18 0 0 0 0 0	0 Apr-18 0 0 0 0 0 0 0 0 0	0 May-18 0 0 0 0 0	Jun-18 0 0 0 0 0 0 0 0 0	(3,135) Annual-17/18 0 0 0 0 0 0 0 0 0
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Notes
Updates to 2015-2016 balances approved in Docket No. G002/M-16-206 (2016 Filing) result from (1) revised MN Composite Income Tax Rates based upon 2015 income tax returns, effective January 1, 2015 and (2) property tax update for 2015 based on ratio of actual paid taxes in 2015 and the value of property as of year-end 2013.

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				Tracker D							
Cast Iron Rep	lacement R	evenue Re	equireme	nt by Year	(July - Jun	e) - No Pr	orate on 2	016 Actua	als (A)		
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Rate Base											
Plus CWIP Ending Balance	0	0	0	0	0	0	0	0	0	0	0
Plus Plant In-Service	74,612	1,642,890	6,204,585	10,782,150	13,736,109	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108
Less Book Depreciation Reserve	79	32,575	141,240	367,414	700,678	1,051,711	1,402,745	1,753,779	2,104,813	2,455,847	2,806,881
Less Accum Deferred Taxes	104	31,775	117,324	296,641	531,982	747,645	936,573	1,100,401	1,223,080	1,348,918	1,461,818
End Of Month Rate Base	74,429	1,578,540	5,946,022	10,118,095	12,503,449	11,936,752	11,396,790	10,881,929	10,408,216	9,931,343	9,467,410
Average Rate Base (BOM/EOM)	3,101	1,241,969	4,103,512	8,400,586	12,097,994	12,216,681	11,663,507	11,136,348	10,636,480	10,177,050	9,706,253
Calculation of Return											
Plus Debt Return	103	38,829	120,101	233,763	303,346	278,611	261,249	248,917	235,078	220,882	209,629
Plus Equity Return	157	64,177	216,849	446,979	642,934	649,295	621,089	591,903	564,271	539,384	514,431
Total Return	260	103,005	336,950	680,742	946,280	927,907	882,338	840,820	799,349	760,266	724,061
Income Statement Items											
Plus Property Taxes	0	11,491	44,887	117,456	228,825	288,830	279,257	267,922	265,460	265,460	265,460
Plus Book Depreciation	79	32,496	108,665	226,174	333,264	351,034	351,034	351,034	351,034	351,034	351,034
Plus Deferred Taxes	104	31,672	85,548	179,317	235,341	215,663	188,928	163,827	141,616	123,568	111,772
Plus Current Taxes	5	12,955	65,757	132,542	213,293	237,495	244,716	249,711	252,983	253,924	248,409
Total Income Statement Expense	188	88,613	304,858	655,489	1,010,722	1,093,022	1,063,935	1,032,494	1,011,093	993,985	976,675
Total Revenue Requirements	447	191,619	641,808	1,336,231	1,957,002	2,020,928	1,946,272	1,873,314	1,810,442	1,754,251	1,700,735
MN Jurisdictional Revenue Requirement	447	191,619	641,808	1,336,231	1,957,002	2,020,928	1,946,272	1,873,314	1,810,442	1,754,251	1,700,735

			Gas	Tracker D	etail						
Cast	Iron Replac	cement R	evenue R	equiremen	t by Year (July - Jun	e) -As File	ed (B)			
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Rate Base											
Plus CWIP Ending Balance	0	0	0	0	0	0	0	0	0	0	0
Plus Plant In-Service	74,612	1,642,890	6,204,585	10,782,150	13,736,109	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108	13,736,108
Less Book Depreciation Reserve	79	32,575	141,240	367,414	700,678	1,051,711	1,402,745	1,753,779	2,104,813	2,455,847	2,806,881
Less Accum Deferred Taxes	104	31,775	117,324	296,641	531,982	747,645	936,573	1,078,456	1,223,080	1,348,918	1,461,818
End Of Month Rate Base	74,429	1,578,540	5,946,022	10,118,095	12,503,449	11,936,752	11,396,790	10,903,873	10,408,216	9,931,343	9,467,410
Average Rate Base (BOM/EOM)	3,101	1,241,969	4,103,512	8,400,586	12,097,994	12,216,681	11,663,507	11,140,306	10,664,292	10,177,050	9,706,253
Calculation of Return											
Plus Debt Return	103	38,829	120,101	233,763	303,346	278,611	261,249	249,005	235,695	220,882	209,629
Plus Equity Return	157	64,177	216,849	446,979	642,934	649,295	621,089	592,114	565,748	539,384	514,431
Total Return	260	103,005	336,950	680,742	946,280	927,907	882,338	841,118	801,443	760,266	724,061
Income Statement Items											
Plus Property Taxes	0	11,491	44,887	117,456	228,825	288,830	279,257	267,922	265,460	265,460	265,460
Plus Book Depreciation	79	32,496	108,665	226,174	333,264	351,034	351,034	351,034	351,034	351,034	351,034
Plus Deferred Taxes	104	31,672	85,548	179,317	235,341	215,663	188,928	163,827	141,616	123,568	111,772
Plus Current Taxes	5	12,955	65,757	132,542	213,293	237,495	244,716	249,860	254,025	253,924	248,409
Total Income Statement Expense	188	88,613	304,858	655,489	1,010,722	1,093,022	1,063,935	1,032,643	1,012,134	993,985	976,675
Total Revenue Requirements	447	191,619	641,808	1,336,231	1,957,002	2,020,928	1,946,272	1,873,761	1,813,577	1,754,251	1,700,735
MN Jurisdictional Revenue Requirement	447	191,619	641,808	1,336,231	1,957,002	2,020,928	1,946,272	1,873,761	1,813,577	1,754,251	1,700,735

			Gas	Tracker D	etail						
Cast Ir	ron Replaceme	ent Rever	nue Requi	rement by	Year (July	- June) -	Difference	e (A) - (B))		
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Rate Base											
Plus CWIP Ending Balance	0	0	0	0	0	0	0	0	0	0	0
Plus Plant In-Service	0	0	0	0	0	0	0	0	0	0	0
Less Book Depreciation Reserve	0	0	0	0	0	0	0	0	0	0	0
Less Accum Deferred Taxes	0	0	0	0	0	0	0	21,945	0	0	0
End Of Month Rate Base	0	0	0	0	0	0	0	(21,945)	0	0	0
Average Rate Base (BOM/EOM)	0	0	0	0	0	0	0	(3,958)	(27,813)	0	0
Calculation of Return											
Plus Debt Return	0	0	0	0	0	0	0	(88)	(617)	0	0
Plus Equity Return	0	0	0	0	0	0	0	(210)	(1,477)	0	0
Total Return	0	0	0	0	0	0	0	(298)	(2,093)	0	0
Income Statement Items											
Plus Property Taxes	0	0	0	0	0	0	0	0	0	0	(
Plus Book Depreciation	0	0	0	0	0	0	0	0	0	0	0
Plus Deferred Taxes	0	0	0	0	0	0	0	0	0	0	0
Plus Current Taxes	0	0	0	0	0	0	0	(148)	(1,042)	0	(
Total Income Statement Expense	0	0	0	0	0	0	0	(148)	(1,042)	0	(
Total Revenue Requirements	0	0	0	0	0	0	0	(446)	(3,135)	0	-
MN Jurisdictional Revenue Requirement	0	0	0	0	0	0	0	(446)	(3,135)	0	- 1

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Gas Tracker Detail

Revenue Collections (SEP Rider Fiscal Period July - June)

Actual Revenues Through December 2016 and Forecast Revenues (Therm Sales * Gas Factor) through June 2019 - No Prorate on 2016 Actuals (A)

2015 Rider Year	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Total-15/16
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	
Revenue Collections	\$ 97,466 \$	85,412 \$	88,900 \$	90,860 \$	132,683 \$	161,745 \$	95,779 \$	97,468 \$	90,171 \$	61,438 \$	43,498 \$	33,357	1,078,77
2016 Rider Year	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Total-16/17
	Actual	Actual	Actual	Actual	Actual	Actual	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	
Forecast Sales							134,803,106	112,247,435	101,030,260	61,766,809	46,274,210	36,386,780	492,508,60
Rate							0.001368	0.001368	0.001368	0.001368	0.001368	0.001368	
Revenue Collections	\$ 53,363 \$	72,224 \$	46,484 \$	55,752 \$	81,501 \$	126,152 \$	184,411 \$	153,554 \$	138,209 \$	84,497 \$	63,303 \$	49,777	1,109,227
2017 Rider Year	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Total-17/18
	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	
Forecast Sales	41,812,036	35,517,572	33,764,630	54,600,321	84,650,821	126,704,133	134,524,024	112,658,303	101,893,328	63,096,998	46,067,444	36,155,363	871,444,973

0.002098

265,825 \$

0.002098

282,231 \$

0.002098

236,357 \$

0.002098

213,772 \$

0.002098

132,378 \$

0.002098

96,649 \$

0.002098

75,854 \$

1,828,292

0.002098

87,722 \$

Rate

Revenue Collections

0.002098

74,516 \$

0.002098

70,838 \$

0.002098

114,551 \$

0.002098

177,597 \$

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Base Assumptions - Gas Cast Iron Pipe

Capital Structure	Docket No	G002/GR	-09-1153		Actual 2015			Actual 2016			Budget 2017		
	Percent	Cost	Wtd Cost	Percent	Cost	Wtd Cost	Percent	Cost	Wtd Cost	Percent	Cost	Wtd Cost	
Long Term Debt %	46.74%	6.36%	2.97%	46.15%	4.85%	2.24%	46.54%	4.74%	2.21%	46.05%	4.71%	2.17%	
Short Term Debt %	0.80%	1.36%	0.01%	1.09%	0.93%	0.01%	0.85%	1.22%	0.01%	1.45%	1.91%	0.03%	
Preferred Stock %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Common Stock %	52.46%	10.09%	5.29%	52.76%	10.09%	5.32%	52.61%	10.09%	5.31%	52.50%	10.09%	5.30%	
	100.00%	_	8.28%	100.00%	_	7.57%	100.00%	-	7.53%	100.00%	_	7.50%	
1													

Income Tax Rates								
		2015	2016	2017		2015	2016	2017
Income Tax Rates	MN Jur	9.8000%	9.8000%	9.8000%	Federal	35.0000%	35.0000%	35.0000%
MN Composite Income Tax Rate	MN Jur	41.3700%	41.3700%	41.3700%	MN Co	40.7696%	40.7696%	40.7696%

Property Tax Rates				
		2015	2016	2017
Property Tax Rate = Goodhue	100.00 % Taxable	1.743%	1.716%	1.716%
Property Tax Rate = Ramsey	100.00 % Taxable	2.027%	1.981%	1.981%
Property Tax Rate = Rice	100.00 % Taxable	1.715%	1.738%	1.738%
Property Tax Rate = Stearns	100.00 % Taxable	1.825%	1.774%	1.774%
Property Tax Rate = Washington	100.00 % Taxable	1.785%	1.758%	1.758%
Property Tax Rate = Winona	100.00 % Taxable	1.486%	1.539%	1.539%

State of MN Allocator			
Gas Distribution		Minnesota	
	Total	Company	Minnesota
Direct Assigned - Minnesota	100.000%	100.000%	100.000%

CERTIFICATE OF SERVICE

I, Sharon Ferguson, hereby certify that I have this day, served copies of the following document on the attached list of persons by electronic filing, certified mail, e-mail, or by depositing a true and correct copy thereof properly enveloped with postage paid in the United States Mail at St. Paul, Minnesota.

Minnesota Department of Commerce Response Comments

Docket No. G002/M-17-174

Dated this 17th day of May 2017

/s/Sharon Ferguson

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