

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter, on the Commission’s own motion, to consider changes in the rates of all the Michigan rate-regulated electric, steam, and natural gas utilities to reflect the effects of the federal Tax Cuts and Jobs Act of 2017: **MICHIGAN GAS UTILITIES CORPORATION** files an application for determination of Calculation C as described in orders U-18494 and U-20114.

Case No. U-20310

In the matter, on the Commission’s own motion, to consider changes in the rates of all of the following Michigan rate-regulated electric, steam, and natural gas utilities to reflect the effects of the federal Tax Cuts and Jobs Act of 2017: **ALPENA POWER COMPANY, CONSUMERS ENERGY COMPANY, DETROIT THERMAL, LLC, DTE ELECTRIC COMPANY, DTE GAS COMPANY, INDIANA MICHIGAN POWER COMPANY, NORTHERN STATES POWER COMPANY, UPPER PENINSULA POWER COMPANY, UPPER MICHIGAN ENERGY RESOURCES CORPORATION, WISCONSIN ELECTRIC POWER COMPANY, PRESQUE ISLE ELECTRIC & GAS CO-OP, MICHIGAN GAS UTILITIES CORPORATION, and SEMCO ENERGY GAS COMPANY.**

Case No. U-18494

In the matter, on the Commission’s own motion, to consider changes in the rates of all the Michigan rate-regulated electric, steam, and natural gas utilities to reflect the effects of the federal Tax Cuts and Jobs Act of 2017: **MICHIGAN GAS UTILITIES CORPORATION** files an application for determination of Credit A as described in order U-18494.

Case No. U-20114

On May 30, 2018, the Commission issued an order approving a settlement agreement in MGUC's Credit A proceeding (Case No. U-20114), and on September 28, 2018, the Commission issued an order approving a settlement agreement in MGUC's Credit B proceeding (Case No. U-20181).

On October 1, 2018, MGUC filed its application in Case No. U-20310, with supporting testimony and exhibits, requesting approval of credits for its Michigan natural gas customers and a true-up mechanism related to Calculation C. A prehearing conference was held on November 9, 2018, before Administrative Law Judge Sharon L. Feldman (ALJ). At the prehearing conference, the ALJ granted intervenor status to the Michigan Department of the Attorney General. The Commission Staff also participated in the proceeding. Subsequently, the parties submitted a settlement agreement resolving all issues in the case.

The Commission has reviewed the settlement agreement and finds that the public interest is adequately represented by the parties who entered into the settlement agreement. The Commission further finds that the settlement agreement is in the public interest, represents a fair and reasonable resolution of the proceeding, and should be approved.

THEREFORE, IT IS ORDERED that:

- A. The settlement agreement, attached as Exhibit A, is approved.
- B. Michigan Gas Utilities Corporation shall include an offset to rates for excess accumulated deferred income taxes related to the Tax Cuts and Jobs Act of 2017 of \$30,735,662 after tax gross-up, of which \$10,865,229 is protected and \$19,870,433 is unprotected. Michigan Gas Utilities Corporation shall amortize the excess deferred tax liability beginning in 2018 and refund those amounts to its customers as follows: (1) 2018: amortization plus interest of \$1,212,953 for

the period of June 2019 to December 2019; (2) 2019: amortization plus interest of \$1,146,911; and (3) 2020 and beyond: \$1,128,376. The base rate credits set forth in Attachment 4 to the settlement agreement are effective June 1, 2019, and January 1, 2020, respectively.

C. Michigan Gas Utilities Corporation shall return the deferred bonus depreciation amount of \$379,000 as set forth in Attachment 3 to the settlement agreement between June 1 and December 31, 2019.

D. Michigan Gas Utilities Corporation shall record any differences between the actual amount of excess deferred tax expense in a given year and the estimated amount included in rates as a regulatory liability or asset, which shall be reflected in customer rates over a period approved by the Commission in Michigan Gas Utilities Corporation's next general rate case.

E. Michigan Gas Utilities Corporation shall file an annual letter in this docket by March 31st of each year until the excess deferred taxes are completely refunded to ratepayers, which shall include the following information for each component of the excess deferred taxes: (1) the beginning refundable balance; (2) the yearly amount refunded; (3) the over/under regulatory asset/liability that has been recorded; and (4) the ending refundable balance.

F. Within 30 days of this order, Michigan Gas Utilities Corporation shall file a tariff sheet substantially similar to that set forth in Attachment 4 to the settlement agreement.

The Commission reserves jurisdiction and may issue further orders as necessary.

Any party desiring to appeal this order must do so in the appropriate court within 30 days after issuance and notice of this order, pursuant to MCL 462.26. To comply with the Michigan Rules of Court's requirement to notify the Commission of an appeal, appellants shall send required notices to both the Commission's Executive Secretary and to the Commission's Legal Counsel.

Electronic notifications should be sent to the Executive Secretary at mpscedockets@michigan.gov and to the Michigan Department of the Attorney General – Public Service Division at pungp1@michigan.gov. In lieu of electronic submissions, paper copies of such notifications may be sent to the Executive Secretary and the Attorney General – Public Service Division at 7109 W. Saginaw Hwy., Lansing, MI 48917.

MICHIGAN PUBLIC SERVICE COMMISSION

Sally A. Talberg, Chairman

Norman J. Saari, Commissioner

Daniel C. Scripps, Commissioner

By its action of May 23, 2019.

Kavita Kale, Executive Secretary

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter on the Commission’s own)	
motion, to consider changes in the rates)	
of all the Michigan rate-regulated)	
electric, steam and natural gas utilities)	Case No. U-20310
to reflect the effects of the federal Tax)	
Cuts and Jobs Act of 2017:)	
MICHIGAN GAS UTILITIES CORPORATION)	
files an application for determination of Calculation C)	
<u>as described in orders U-18494 and U-20114.</u>)	

SETTLEMENT AGREEMENT

As provided in § 78 of the Administrative Procedures Act of 1969 (“APA”), as amended, MCL 24.278 and Rule 431 of the Michigan Administrative Hearing System’s Administrative Hearing Rules, 2015 AC, R 792.10431, Michigan Gas Utilities Corporation (“MGUC” or the “Company”), the Michigan Public Service Commission (“MPSC” or the “Commission”) Staff (“Staff”), and Attorney General Dana Nessel (“AG”) hereby agree as follows:

1. On February 22, 2018, by order issued in Case No. U-18494 (“February 22 Order”), wherein among other things, the Commission directed MGUC to file an application and supporting direct case no later than October 1, 2018, to address “Calculation C” intended to identify all remaining impacts of the federal corporate tax reduction arising from the Tax Cuts and Jobs Act of 2017 (“TCJA”) on the Company’s general base rates.

2. On May 30, 2018, the Commission issued its Order Approving Settlement Agreement in MGUC’s Credit A case, U-20114, again directing MGUC to file its Calculation C case by October 1, 2018.

3. On October 1, 2018, MGUC filed with the Commission in this docket its application, along with the testimony and exhibits of its witnesses Rick J. Moras, Eric Nicolaus, and David J. Tyler. In its direct case, MGUC recommended credit amounts associated with Calculation C beginning in 2019 and proposed a true-up mechanism beginning with the 2020 calendar year, and annually thereafter, to be filed by March 31 to address prior period volumetric differences, as well as changes in the amortization of excess deferred taxes due to the Average Rate Assumption Method (“ARAM”).

4. On October 5, 2018, the Commission’s Executive Secretary issued a Notice of Hearing and a correspondence directing MGUC to mail the Notice of Hearing to all cities, incorporated villages, townships, and counties in its Michigan natural gas service area, and to all intervenors in Case No. U-17880.

5. On November 9, 2018, Administrative Law Judge Sharon L. Feldman presided over the prehearing conference in this proceeding, at which Staff appeared. The AG was granted intervention.

6. The Staff conducted an in depth audit of MGUC’s Calculation C filing, and review of MGUC’s related proposals.

7. Subsequently, the parties discussed the issues in this case and have negotiated the terms of this Settlement Agreement, and agree as follows:

a. Specifically, the parties agree that the Company’s Calculation C updates its revenue requirement by restating its (i) Excess Deferred Taxes as of December 31, 2017, (ii) Estimated Amortization of Protected and Unprotected Excess Deferred Taxes, resulting in a total net Excess Deferred Tax Liability of \$30,735,662 after tax gross-up, of which \$10,865,229 are “protected” and

\$19,870,433 are “unprotected”. Attachment 1 hereto shows the components of the Excess Deferred Tax Liability. In addition, the Company is returning the deferred Bonus Depreciation amount of \$379,000 from MGUC’s rate case settlement in Case No. U-17880.

The parties further agree that the Company will begin to amortize the Excess Deferred Tax Liability beginning in 2018 and refund those amounts to its customers as follows:

- (i) 2018: amortization plus interest of \$1,212,953 for the period of June 2019 to December 2019 (Attachment 2 hereto);
- (ii) 2019: amortization plus interest of \$1,146,911 (Attachment 3 hereto); and,
- (iii) 2020 and beyond: \$1,128,376 (Attachment 2 hereto).

The parties further agree that the net revenue requirement impact of returning the deferred Bonus Depreciation from MGUC’s rate case settlement in Case No. U-17880 is \$379,000 and will be returned between June 1 and December 31, 2019 (Attachment 3 hereto).

b. The calculation of the volumetric credits is shown on Attachments 2 and 3. The parties agree that the credits reflected on the tariff sheets attached hereto as Attachment 4 hereto allocate the annual revenue requirement deduction on a cost-of-service basis to MGUC’s customers utilizing the rate base allocator from Case No. U-17880.

c. The parties agree that the Commission should approve the credits, effective June 1, 2019 and January 1, 2020, respectively, as set forth in the tariff sheets attached hereto as Attachment 4 hereto.

d. The Company shall record any differences between the actual amount of excess deferred tax expense in a given year and the estimated amount included in rates as a regulatory liability or asset, which will be reflected in customer rates over a period agreed to by the Commission in the Company's next general rate case.

e. The Company shall file an annual letter to this docket by March 31st of each year until the excess deferred taxes are completely refunded to ratepayers. The letters will include the following information for each component of the excess deferred taxes: 1) the beginning refundable balance; 2) the yearly amount refunded; 3) the over/under regulatory asset/liability the Company has recorded, which is calculated as the differences between the actual amount of excess deferred taxes in a given year and the estimated amount included in rates; and 4) the ending refundable balance.

8. It is the opinion of the parties that this Settlement Agreement will promote the public interest, will aid the expeditious conclusion of this case, and will minimize the time and expense which would otherwise have to be devoted to this matter by the parties. This Settlement Agreement is not severable, and all provisions of the same are dependent upon all other provisions contained herein.

9. This Settlement Agreement has been made for the sole and express purpose of settling this case. All offers of settlement and discussions relating hereto are, and shall be

considered, privileged under MRE 408 and shall not be used in any manner, or be admissible for any other purpose in connection with this proceeding or any other proceeding hereof.

10. Neither the parties to the settlement nor the Commission shall use this Settlement Agreement or the order approving it as precedent in any case or proceeding, except as necessary to carry out its terms.

11. This Settlement Agreement is intended to be a final disposition of this proceeding, and the parties join in respectfully requesting that the Commission grant prompt approval. The parties agree not to appeal, challenge or contest the Commission's Order accepting and approving this Settlement Agreement without modification. If the Commission does not accept the Settlement Agreement without modification, the Agreement shall be withdrawn and shall not constitute any part of the record in this proceeding or be used for any other purpose whatsoever.

12. The parties agree that the issuance of a Proposal for Decision pursuant to Section 81 of the APA, MCL 24.281, is unnecessary and the parties agree to waive the provisions of Section 81 of the APA in connection with this Settlement Agreement, providing the Commission approves the Settlement Agreement without modification.

MICHIGAN GAS UTILITIES CORPORATION

**Sherri
Wellman**

Digitally signed by: Sherri Wellman
DN: CN = Sherri Wellman email =
wellmans@millercanfield.com C =
AD O = Miller Canfield
Date: 2019.04.29 11:29:32 -04'00'

Dated: May 1, 2019

By:

One of its Attorneys
Sherri A. Wellman (P38989)
Paul M. Collins (P69719)
Miller, Canfield, Paddock and Stone, P.L.C.
One Michigan Avenue, Suite 900
Lansing, MI 48933
(517) 487-2070

ATTORNEY GENERAL DANA NESSEL

Michael Moody

Digitally signed by Michael
Moody
Date: 2019.05.03 14:00:21
-04'00'

Dated: May 1, 2019

By:

Her Attorney
Michael Moody (P51985)
Assistant Attorney General
Michigan Department of Attorney General
Special Litigation Division
525 W. Ottawa Street
P.O. Box 30755
Lansing MI 48909
(517) 373-1123

MICHIGAN PUBLIC SERVICE COMMISSION
STAFF



Dated: May 1, 2019

By:

Its Attorney
Amit T. Singh (P75492)
Michigan Public Service Commission
7109 W. Saginaw Highway, 3rd Floor
Lansing, MI 48917
(517) 284-8100

MGUC

<i>Type</i>	<i>Excess ADIT</i>	<i>Grossed Up</i>	<i>Amortization Years</i>	<i>Excess Amortization</i>	<i>Grossed Up</i>
<i>Protected Plant</i>	(8.1)	(10.9)	ARAM	105,087.00	141,512.25
<i>Un Protected Plant</i>	(9.7)	(13.0)	40	241,743.19	325,536.21
<i>Un Protected Non Plant</i>	(4.6)	(6.2)	9	509,561.78	686,186.07
<i>Un Protected Reg Asset</i>	(0.5)	(0.7)	N/A	-	-
<i>Total Re-measurement</i>	(22.8)	(30.7)	<i>Total Amortization</i>	856,391.97	1,153,234.54
			<i>For Calculation C</i>		

Note: These are an estimate of the ARAM amortization for future forecasted years, and are for illustrative purposes only. Each year's amortization is unique to that year's actual tax return activity and the impact of that year's tax return activity has on the underlying book-tax differences associated with the total excess ADIT balance.

Tax Year	Book/Tax Difference	Deferred Tax (ARAM)	Deferred Tax (Statutory)	Amortization of Excess Deferred Taxes	Ending Balance of Excess Deferred Taxes
2018	\$ 5,737,277.05	\$ 1,099,741.67	\$ 1,204,828.18	\$ 105,086.51	\$ (7,962,660.33)
2019	\$ 9,914,537.63	\$ 2,005,463.27	\$ 2,082,052.90	\$ 76,589.63	\$ (7,886,070.69)
2020	\$ 15,715,300.04	\$ 3,139,264.73	\$ 3,300,213.01	\$ 160,948.28	\$ (7,725,122.42)
2021	\$ 17,679,468.18	\$ 3,517,109.65	\$ 3,712,688.32	\$ 195,578.67	\$ (7,529,543.75)
2022	\$ 16,104,725.66	\$ 3,196,145.22	\$ 3,381,992.39	\$ 185,847.17	\$ (7,343,696.58)
2023	\$ 15,564,745.84	\$ 2,844,893.89	\$ 3,268,596.63	\$ 423,702.74	\$ (6,919,993.84)
2024	\$ 10,844,654.30	\$ 2,142,571.13	\$ 2,277,377.40	\$ 134,806.27	\$ (6,785,187.57)
2025	\$ 8,428,139.10	\$ 1,644,402.32	\$ 1,769,909.21	\$ 125,506.89	\$ (6,659,680.68)
2026	\$ 4,419,392.54	\$ 804,330.86	\$ 928,072.43	\$ 123,741.57	\$ (6,535,939.10)
2027	\$ 176,895.62	\$ (84,159.56)	\$ 37,148.08	\$ 121,307.64	\$ (6,414,631.46)
2028	\$ (440,608.08)	\$ (194,106.66)	\$ (92,527.70)	\$ 101,578.96	\$ (6,313,052.50)
2029	\$ 76,200.88	\$ (55,861.16)	\$ 16,002.18	\$ 71,863.34	\$ (6,241,189.16)
2030	\$ 137,607.27	\$ (36,074.56)	\$ 28,897.53	\$ 64,972.09	\$ (6,176,217.07)
2031	\$ 164,759.23	\$ (25,476.29)	\$ 34,599.44	\$ 60,075.73	\$ (6,116,141.34)
2032	\$ 851,218.15	\$ 115,470.04	\$ 178,755.81	\$ 63,285.77	\$ (6,052,855.57)
2033	\$ 2,751,815.87	\$ 510,405.50	\$ 577,881.33	\$ 67,475.83	\$ (5,985,379.74)
2034	\$ 2,069,286.92	\$ 356,108.32	\$ 434,550.25	\$ 78,441.93	\$ (5,906,937.80)
2035	\$ 1,284,141.90	\$ 176,386.20	\$ 269,669.80	\$ 93,283.60	\$ (5,813,654.21)
2036	\$ 913,163.30	\$ 83,856.82	\$ 191,764.29	\$ 107,907.47	\$ (5,705,746.73)
2037	\$ 600,796.19	\$ 2,932.32	\$ 126,167.20	\$ 123,234.88	\$ (5,582,511.85)
2038	\$ 106,952.95	\$ (110,891.72)	\$ 22,460.12	\$ 133,351.84	\$ (5,449,160.01)
2039	\$ (712,381.76)	\$ (282,862.06)	\$ (149,600.17)	\$ 133,261.89	\$ (5,315,898.12)
2040	\$ (1,454,676.57)	\$ (438,682.96)	\$ (305,482.08)	\$ 133,200.88	\$ (5,182,697.24)
2041	\$ (2,195,370.83)	\$ (595,292.63)	\$ (461,027.87)	\$ 134,264.76	\$ (5,048,432.49)
2042	\$ (3,028,139.07)	\$ (770,225.55)	\$ (635,909.20)	\$ 134,316.35	\$ (4,914,116.14)
2043	\$ (3,862,692.28)	\$ (945,297.52)	\$ (811,165.38)	\$ 134,132.14	\$ (4,779,984.00)
2044	\$ (4,272,508.22)	\$ (1,031,727.32)	\$ (897,226.73)	\$ 134,500.59	\$ (4,645,483.41)
2045	\$ (4,358,276.11)	\$ (1,058,675.26)	\$ (915,237.98)	\$ 143,437.28	\$ (4,502,046.13)
2046	\$ (4,318,735.78)	\$ (1,053,169.61)	\$ (906,934.51)	\$ 146,235.10	\$ (4,355,811.03)
2047	\$ (3,954,001.55)	\$ (975,491.34)	\$ (830,340.33)	\$ 145,151.01	\$ (4,210,660.02)
2048	\$ (3,859,423.27)	\$ (952,388.56)	\$ (810,478.89)	\$ 141,909.67	\$ (4,068,750.35)
2049	\$ (3,789,203.35)	\$ (935,230.42)	\$ (795,732.70)	\$ 139,497.72	\$ (3,929,252.63)
2050	\$ (4,264,110.72)	\$ (1,057,702.62)	\$ (895,463.25)	\$ 162,239.37	\$ (3,767,013.26)
2051	\$ (4,325,670.68)	\$ (1,091,093.42)	\$ (908,390.84)	\$ 182,702.58	\$ (3,584,310.68)
2052	\$ (4,346,956.46)	\$ (1,092,154.94)	\$ (912,860.86)	\$ 179,294.08	\$ (3,405,016.60)
2053	\$ (4,357,899.60)	\$ (1,095,470.66)	\$ (915,158.92)	\$ 180,311.74	\$ (3,224,704.86)
2054	\$ (4,324,198.85)	\$ (1,086,517.27)	\$ (908,081.76)	\$ 178,435.51	\$ (3,046,269.34)
2055	\$ (4,234,299.14)	\$ (1,062,930.05)	\$ (889,202.82)	\$ 173,727.23	\$ (2,872,542.11)
2056	\$ (4,134,599.13)	\$ (1,033,839.50)	\$ (868,265.82)	\$ 165,573.68	\$ (2,706,968.43)
2057	\$ (4,084,477.99)	\$ (1,016,771.42)	\$ (857,740.38)	\$ 159,031.04	\$ (2,547,937.39)
2058	\$ (4,034,150.36)	\$ (1,000,895.79)	\$ (847,171.58)	\$ 153,724.21	\$ (2,394,213.17)
2059	\$ (3,990,976.07)	\$ (988,110.59)	\$ (838,104.97)	\$ 150,005.62	\$ (2,244,207.56)
2060	\$ (4,000,079.17)	\$ (987,470.62)	\$ (840,016.63)	\$ 147,453.99	\$ (2,096,753.56)

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
32														
33														
34														
35														

Tax Rate 25.740%

MI Deferral

Before tax cost of capital:

Deferred tax liability balance change
CAPITAL REQUIREMENTS
Revenue Requirement Annual Rate
Revenue Requirement on Capital

O&M & Other Income Statement

Amortization
Corporate Rev Req of ownership w/o fuel
Cumulative

MI Carry Cost Calculation:

Beginning Balance
MI Deferral Rev Req
Carry Cost (Previous Month)
Tax Cash Inflow
Ending Balance Before CM Carry Cost

Carry Costs Annual Rate
Carry Cost
Cumulative Carry Cost

MI Deferral:

Beginning Balance
Net Deferral Rev Req
Carry Cost
Ending Balance

	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)	(aa)	(ab)
	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	24,858
2,875	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	(1,153,235)
	-	-	-	-	-	-	-	-	-	-	-	-	0
	-	-	-	-	-	-	-	-	-	-	-	-	0
	-	-	-	-	-	-	-	-	-	-	-	-	(1,128,376)
2,875	-	-	-	-	-	-	-	-	-	-	-	-	-
(1,153,635)	(1,153,635)	(1,153,635)	(1,153,635)	(1,153,635)	(1,153,635)	(1,153,635)	(1,153,635)	(1,153,635)	(1,153,635)	(1,153,635)	(1,153,635)	(1,153,635)	(1,153,635)
(855,693)	(856,689)	(860,108)	(863,530)	(866,966)	(870,416)	(873,880)	(877,344)	(880,808)	(884,272)	(887,736)	(891,200)	(894,664)	(898,128)
2,875	-	-	-	-	-	-	-	-	-	-	-	-	-
(4,216)	(4,603)	(4,609)	(4,627)	(4,646)	(4,664)	(4,683)	(4,701)	(4,720)	(4,738)	(4,757)	(4,775)	(4,794)	(4,812)
345	1,185	1,186	1,191	1,196	1,201	1,206	1,211	1,216	1,221	1,226	1,231	1,236	1,241
(856,689)	(860,108)	(863,530)	(866,966)	(870,416)	(873,880)	(877,344)	(880,808)	(884,272)	(887,736)	(891,200)	(894,664)	(898,128)	(901,600)
6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%
(4,603)	(4,609)	(4,627)	(4,646)	(4,664)	(4,683)	(4,701)	(4,720)	(4,738)	(4,757)	(4,775)	(4,794)	(4,812)	(4,831)
(29,862)	(34,471)	(39,098)	(43,743)	(48,407)	(53,090)	(57,793)	(62,516)	(67,258)	(72,019)	(76,799)	(81,598)	(86,416)	(91,253)
(1,156,509)	(1,158,238)	(1,162,847)	(1,167,474)	(1,172,120)	(1,176,784)	(1,181,467)	(1,186,169)	(1,190,890)	(1,195,630)	(1,200,389)	(1,205,167)	(1,209,964)	(1,214,781)
2,875	-	-	-	-	-	-	-	-	-	-	-	-	-
(4,603)	(4,609)	(4,627)	(4,646)	(4,664)	(4,683)	(4,701)	(4,720)	(4,738)	(4,757)	(4,775)	(4,794)	(4,812)	(4,831)
(1,158,238)	(1,162,847)	(1,167,474)	(1,172,120)	(1,176,784)	(1,181,467)	(1,186,169)	(1,190,890)	(1,195,630)	(1,200,389)	(1,205,167)	(1,209,964)	(1,214,781)	(1,219,618)

Allocation of Calculation C 2018 Refund and 2020 & Beyond (until next rate case) Credits

		U-17880				Final	Final	Final
Rate Class		Plant in Service % of Total	Preliminary Calculation C 2018 Refund	Preliminary Calculation C On Going	Agg. Portion of Credit C*	Calculation C Allocation	Calculation C 2018 Refund	Calculation C 2020 On Going
1	Residential	63.33%	\$ 748,267	\$ 714,643	-0.02%	63.32%	\$ 748,060	\$ 714,445
2	Small General Service	14.81%	175,028	167,163	-1.30%	13.52%	159,683	152,508
3	Large General Service	0.32%	3,788	3,617	-0.01%	0.31%	3,647	3,483
4	Customer Choice:						0	0
5	Residential	7.91%	93,423	89,225		7.91%	93,423	89,225
6	Small General Service	3.35%	39,607	37,827		3.35%	39,607	37,827
7	Large General Service	0.00%	-	-		0.00%	-	-
8	Transportation:							
9	Agg. Residential	0.00%	-	-	0.02%	0.02%	208	198
10	Agg. Small General Service	0.00%	-	-	1.30%	1.30%	15,345	14,655
11	Agg. Large General Service	0.00%	-	-	0.01%	0.01%	141	134
12	TR-1	2.32%	27,352	26,123		2.32%	27,352	26,123
13	TR-2	5.16%	61,000	58,259		5.16%	61,000	58,259
14	TR-3	2.79%	33,002	31,519		2.79%	33,002	31,519
15	Total	100.00%	<u>\$ 1,181,467</u>	<u>\$ 1,128,376</u>	0.00%	100.00%	<u>\$ 1,181,467</u>	<u>\$ 1,128,376</u>

17 *Goal seek to set on-going credit per MCF equal between aggregated and general service.

Allocation of Calculation C 2019 Refund and 2019 On Going Credits to be Returned in 2019 Only

		U-17880				Final	Final	Final
Rate Class		Plant in Service % of Total	Preliminary Calculation C 2019 Refund	Preliminary Calculation C 2019 On Going	Agg. Portion of Credit C*	Calculation C Allocation	Calculation C 2019 Refund	Calculation C 2019 On Going
1	Residential	63.33%	\$ 303,981	\$ 414,297	-0.02%	63.32%	\$ 303,897	\$ 414,182
2	Small General Service	14.81%	71,105	96,909	-1.30%	13.52%	64,871	88,413
3	Large General Service	0.32%	1,539	2,097	-0.01%	0.31%	1,482	2,019
4	Customer Choice:							
5	Residential	7.91%	37,953	51,726	0.00%	7.91%	37,953	51,726
6	Small General Service	3.35%	16,090	21,929	0.00%	3.35%	16,090	21,929
7	Large General Service	0.00%	-	-	0.00%	0.00%	-	-
8	Transportation:							
9	Agg. Residential	0.00%	-	-	0.02%	0.02%	84	115
10	Agg. Small General Service	0.00%	-	-	1.30%	1.30%	6,234	8,496
11	Agg. Large General Service	0.00%	-	-	0.01%	0.01%	57	78
12	TR-1	2.32%	11,111	15,144	0.00%	2.32%	11,111	15,144
13	TR-2	5.16%	24,781	33,774	0.00%	5.16%	24,781	33,774
14	TR-3	2.79%	13,407	18,272	0.00%	2.79%	13,407	18,272
15	Total	100.00%	<u>\$ 479,967</u>	<u>\$ 654,148</u>	0.00%	100.00%	<u>\$ 479,967</u>	<u>\$ 654,148</u>

Allocation of 2016 Bonus Depreciation Amortization to be Returned in 2019 Only

		U-17880			Final	Final
Rate Class		Plant in Service % of Total	Preliminary Bonus Dep Amortization	Agg. Portion of Credit C*	Bonus Dep Allocation	Bonus Dep Amortization
1	Residential	63.33%	\$ 240,035	-0.02%	63.32%	\$ 239,968
2	Small General Service	14.81%	56,147	-1.30%	13.52%	51,224
3	Large General Service	0.32%	1,215	-0.01%	0.31%	1,170
4	Customer Choice:					
5	Residential	7.91%	29,969	0.00%	7.91%	29,969
6	Small General Service	3.35%	12,705	0.00%	3.35%	12,705
7	Large General Service	0.00%	-	0.00%	0.00%	-
8	Transportation:					
9	Agg. Residential	0.00%	-	0.02%	0.02%	67
10	Agg. Small General Service	0.00%	-	1.30%	1.30%	4,922
11	Agg. Large General Service	0.00%	-	0.01%	0.01%	45
12	TR-1	2.32%	8,774	0.00%	2.32%	8,774
13	TR-2	5.16%	19,568	0.00%	5.16%	19,568
14	TR-3	2.79%	10,587	0.00%	2.79%	10,587
15	Total	100.00%	<u>\$ 379,000</u>	0.00%	100.00%	<u>\$ 379,000</u>

	Resid.	Small General Service	Large General Service	Choice Resid.	Choice Small GS	Agg. Resid.	Agg. Small General	Agg. Large General	TR-1	TR-2	TR-3	Total
2018 Refund	\$ 748,060	\$ 159,683	\$ 3,647	\$ 93,423	\$ 39,607	\$ 208	\$ 15,345	\$ 141	\$ 27,352	\$ 61,000	\$ 33,002	\$ 1,181,467
Allocation percentage	63.3%	13.5%	0.3%	7.9%	3.4%	0.0%	1.3%	0.0%	2.3%	5.2%	2.8%	100.0%
Interest on 2018 Refund Jun-19 through Dec -19	\$19,936	\$4,256	\$97	\$2,490	\$1,056	\$6	\$409	\$4	\$729	\$1,626	\$880	\$31,487
2018 Refund with P&I	\$767,996	\$163,939	\$3,744	\$95,912	\$40,663	\$213	\$15,754	\$144	\$28,081	\$62,626	\$33,882	\$1,212,953
2020 On-going (until next rate case)	\$ 714,445	\$ 152,508	\$ 3,483	\$ 89,225	\$ 37,827	\$ 198	\$ 14,655	\$ 134	\$ 26,123	\$ 58,259	\$ 31,519	\$ 1,128,376
2018 Refund with P&I	(\$0.1601)	(\$0.0749)	(\$0.0124)	(\$0.1428)	(\$0.0799)	(\$0.1523)	(\$0.0744)	(\$0.0134)	(\$0.0277)	(\$0.0165)	(\$0.0220)	
2020 On-going (until next rate case)	(\$0.0579)	(\$0.0288)	(\$0.0056)	(\$0.0515)	(\$0.0302)	(\$0.0579)	(\$0.0288)	(\$0.0056)	(\$0.0126)	(\$0.0086)	(\$0.0114)	

	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Total Volumes
Jan - 19	2,313,903	931,309	72,290	325,852	225,250	585	93,407	4,810	289,464	669,737	272,096	5,198,703
Feb - 19	2,065,221	860,727	72,953	290,601	207,180	461	67,350	3,441	227,500	568,331	210,543	4,574,308
Mar - 19	1,711,548	688,831	68,952	240,779	165,093	535	64,380	2,675	224,912	598,426	247,525	4,013,656
Apr - 19	945,770	399,704	58,361	133,009	95,585	268	44,233	1,540	181,712	581,099	251,091	2,692,372
May - 19	495,500	218,107	46,354	69,681	52,076	173	27,152	598	130,733	538,211	245,587	1,824,173
Jun - 19	221,478	125,641	38,237	31,153	29,984	58	10,229	571	101,476	500,012	207,509	1,266,347
Jul - 19	194,419	110,350	34,643	27,359	26,262	22	9,030	524	93,097	503,296	196,378	1,195,380
Aug 19	173,598	110,924	33,673	24,436	26,307	42	11,393	588	106,559	535,433	233,361	1,256,314
Sep - 19	237,381	146,830	36,089	33,406	34,655	76	11,746	495	99,846	491,141	207,165	1,298,830
Oct - 19	705,930	316,888	40,665	99,245	74,310	245	27,339	1,230	140,603	549,869	226,418	2,182,742
Nov - 19	1,252,227	549,217	51,796	175,417	127,258	362	48,195	2,194	187,458	560,435	199,495	3,154,054
Dec - 19	2,012,566	827,701	66,279	280,773	190,166	595	93,710	5,210	285,410	648,532	267,765	4,678,707
Total	12,329,541	5,286,229	620,292	1,731,711	1,254,126	3,422	508,165	23,876	2,068,771	6,744,522	2,764,933	33,335,588

Jun-19 thru Dec-19 Therms	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Total Refund
Jan - 19												\$ -
Feb - 19												-
Mar - 19												-
Apr - 19												-
May - 19												-
Jun - 19	(35,459)	(9,411)	(474)	(4,449)	(2,396)	(9)	(761)	(8)	(2,811)	(8,250)	(4,565)	(68,591)
Jul - 19	(31,126)	(8,265)	(430)	(3,907)	(2,098)	(3)	(672)	(7)	(2,579)	(8,304)	(4,320)	(61,712)
Aug 19	(27,793)	(8,308)	(418)	(3,489)	(2,102)	(6)	(848)	(8)	(2,952)	(8,835)	(5,134)	(59,892)
Sep - 19	(38,005)	(10,998)	(448)	(4,770)	(2,769)	(12)	(874)	(7)	(2,766)	(8,104)	(4,558)	(73,308)
Oct - 19	(113,019)	(23,735)	(504)	(14,172)	(5,937)	(37)	(2,034)	(16)	(3,895)	(9,073)	(4,981)	(177,405)
Nov - 19	(200,482)	(41,136)	(642)	(25,050)	(10,168)	(55)	(3,586)	(29)	(5,193)	(9,247)	(4,389)	(299,977)
Dec-18	(322,212)	(61,995)	(822)	(40,094)	(15,194)	(91)	(6,972)	(70)	(7,906)	(10,701)	(5,891)	(471,947)
Total	\$ (768,096)	\$ (163,848)	\$ (3,737)	\$ (95,931)	\$ (40,664)	\$ (213)	\$ (15,746)	\$ (145)	\$ (28,100)	\$ (62,514)	\$ (33,838)	\$ (1,212,833)

June 2019 through December 2019
Interest on 2018 refund portion

	Beginning Balance	Current Month Activity	Ending Balance	Average Balance	Interest Rate	Days	Monthly Interest
Jan-19		\$0	\$0	\$0		31	\$0
Feb-19		0	0	0		28	0
Mar-19		0	0	0		31	0
Apr-19		0	0	0		30	0
May-19		0	0	0		31	0
Jun-19	1,181,467	(68,591)	1,112,875	1,147,171	6.456%	30	6,087
Jul-19	1,112,875	(61,712)	1,051,163	1,082,019	6.456%	31	5,933
Aug-19	1,051,163	(59,892)	991,271	1,021,217	6.456%	31	5,599
Sep-19	991,271	(73,308)	917,962	954,616	6.456%	30	5,065
Oct-19	917,962	(177,405)	740,557	829,260	6.456%	31	4,547
Nov-19	740,557	(299,977)	440,581	590,569	6.456%	30	3,134
Dec-19	440,581	(471,947)	(31,366)	204,607	6.456%	31	1,122
		(\$1,212,833)				365	31,487

(a) (b) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l) (m) (n)

Tax Rate 25.740%

	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
1	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%
2	-	-	-	-	-	-	-	-	-	-	-	-	-
3 Deferral	-	-	-	-	-	-	-	-	-	-	-	-	-
4 Before tax cost of capital:	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-
7 Deferred tax liability balance change	-	-	-	-	-	-	-	-	-	-	-	-	-
8 CAPITAL REQUIREMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-
10 Revenue Requirement Annual Rate	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%	8.69%
11 Revenue Requirement on Capital	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13 O&M & Other Income Statement	-	-	-	-	-	-	-	-	-	-	-	-	-
14 Amortization	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17 Corporate Rev Req of ownership w/o fuel	-	-	-	-	-	-	-	-	-	-	-	-	-
18 Cumulative	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20 MI Carry Cost Calculation:	-	-	-	-	-	-	-	-	-	-	-	-	-
21 Beginning Balance	-	-	-	-	-	-	-	-	-	-	-	-	-
22 MI Deferral Rev Req	-	-	-	-	-	-	-	-	-	-	-	-	-
23 Carry Cost (Previous Month)	-	-	-	-	-	-	-	-	-	-	-	-	-
24 Tax Cash Inflow	-	-	-	-	-	-	-	-	-	-	-	-	-
25 Ending Balance Before CM Carry Cost	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27 Carry Costs Annual Rate	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%	6.46%
28 Carry Cost	-	-	-	-	-	-	-	-	-	-	-	-	-
29 Cumulative Carry Cost	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31 MI Deferral:	-	-	-	-	-	-	-	-	-	-	-	-	-
32 Beginning Balance	-	-	-	-	-	-	-	-	-	-	-	-	-
33 Net Deferral Rev Req	-	-	-	-	-	-	-	-	-	-	-	-	-
34 Carry Cost	-	-	-	-	-	-	-	-	-	-	-	-	-
35 Ending Balance	-	-	-	-	-	-	-	-	-	-	-	-	-

0
0

Allocation of Calculation C 2018 Refund and 2020 & Beyond (until next rate case) Credits

		U-17880				Final	Final	Final
Rate Class	Plant in Service % of Total	Preliminary Calculation C 2018 Refund	Preliminary Calculation C On Going	Agg. Portion of Credit C*	Calculation C Allocation	Calculation C 2018 Refund	Calculation C 2020 On Going	
1 Residential	63.33%	\$ 748,267	\$ 714,643	-0.02%	63.32%	\$ 748,060	\$ 714,445	
2 Small General Service	14.81%	175,028	167,163	-1.30%	13.52%	159,683	152,508	
3 Large General Service	0.32%	3,788	3,617	-0.01%	0.31%	3,647	3,483	
4 Customer Choice:						0	0	
5 Residential	7.91%	93,423	89,225		7.91%	93,423	89,225	
6 Small General Service	3.35%	39,607	37,827		3.35%	39,607	37,827	
7 Large General Service	0.00%	-	-		0.00%	-	-	
8 Transportation:								
9 Agg. Residential	0.00%	-	-	0.02%	0.02%	208	198	
10 Agg. Small General Service	0.00%	-	-	1.30%	1.30%	15,345	14,655	
11 Agg. Large General Service	0.00%	-	-	0.01%	0.01%	141	134	
12 TR-1	2.32%	27,352	26,123		2.32%	27,352	26,123	
13 TR-2	5.16%	61,000	58,259		5.16%	61,000	58,259	
14 TR-3	2.79%	33,002	31,519		2.79%	33,002	31,519	
15 Total	100.00%	<u>\$ 1,181,467</u>	<u>\$ 1,128,376</u>	0.00%	100.00%	<u>\$ 1,181,467</u>	<u>\$ 1,128,376</u>	

17 *Goal seek to set on-going credit per MCF equal between aggregated and general service.

Allocation of Calculation C 2019 First Half Refund and 2019 Second Half Refund to be Returned in 2019 Only

		U-17880				Final	Final	Final
Rate Class	Plant in Service % of Total	Preliminary Calculation C 2019 1st Half	Preliminary Calculation C 2019 2nd Half	Agg. Portion of Credit C*	Calculation C Allocation	Calculation C 2019 1st Half	Calculation C 2019 2nd Half	
1 Residential	63.33%	\$ 303,981	\$ 414,297	-0.02%	63.32%	\$ 303,897	\$ 414,182	
2 Small General Service	14.81%	71,105	96,909	-1.30%	13.52%	64,871	88,413	
3 Large General Service	0.32%	1,539	2,097	-0.01%	0.31%	1,482	2,019	
4 Customer Choice:								
5 Residential	7.91%	37,953	51,726	0.00%	7.91%	37,953	51,726	
6 Small General Service	3.35%	16,090	21,929	0.00%	3.35%	16,090	21,929	
7 Large General Service	0.00%	-	-	0.00%	0.00%	-	-	
8 Transportation:								
9 Agg. Residential	0.00%	-	-	0.02%	0.02%	84	115	
10 Agg. Small General Service	0.00%	-	-	1.30%	1.30%	6,234	8,496	
11 Agg. Large General Service	0.00%	-	-	0.01%	0.01%	57	78	
12 TR-1	2.32%	11,111	15,144	0.00%	2.32%	11,111	15,144	
13 TR-2	5.16%	24,781	33,774	0.00%	5.16%	24,781	33,774	
14 TR-3	2.79%	13,407	18,272	0.00%	2.79%	13,407	18,272	
15 Total	100.00%	<u>\$ 479,967</u>	<u>\$ 654,148</u>	0.00%	100.00%	<u>\$ 479,967</u>	<u>\$ 654,148</u>	

Total 2019 Interest 1st Half \$ 1,134,115
 Total 2019 Refund \$ 12,796
 Total 2019 Refund \$ 1,146,911

Allocation of 2016 Bonus Depreciation Amortization to be Returned in 2019 Only

		U-17880			Final	Final
Rate Class	Plant in Service % of Total	Preliminary Bonus Dep Amortization		Agg. Portion of Credit C*	Bonus Dep Allocation	Bonus Dep Amortization
1 Residential	63.33%	\$ 240,035		-0.02%	63.32%	\$ 239,968
2 Small General Service	14.81%	56,147		-1.30%	13.52%	51,224
3 Large General Service	0.32%	1,215		-0.01%	0.31%	1,170
4 Customer Choice:						
5 Residential	7.91%	29,969		0.00%	7.91%	29,969
6 Small General Service	3.35%	12,705		0.00%	3.35%	12,705
7 Large General Service	0.00%	-		0.00%	0.00%	-
8 Transportation:						
9 Agg. Residential	0.00%	-		0.02%	0.02%	67
10 Agg. Small General Service	0.00%	-		1.30%	1.30%	4,922
11 Agg. Large General Service	0.00%	-		0.01%	0.01%	45
12 TR-1	2.32%	8,774		0.00%	2.32%	8,774
13 TR-2	5.16%	19,568		0.00%	5.16%	19,568
14 TR-3	2.79%	10,587		0.00%	2.79%	10,587
15 Total	100.00%	<u>\$ 379,000</u>		0.00%	100.00%	<u>\$ 379,000</u>

	Small Resid.	Small General Service	Large General Service	Choice Resid.	Choice Small GS	Agg. Resid.	Agg. Small General	Agg. Large General	TR-1	TR-2	TR-3	Total
2019 First Half (Jan - Jul)	\$ 303,897	\$ 64,871	\$ 1,482	\$ 37,953	\$ 16,090	\$ 84	\$ 6,234	\$ 57	\$ 11,111	\$ 24,781	\$ 13,407	\$ 479,967
Allocation percentage	63.3%	13.5%	0.3%	7.9%	3.4%	0.0%	1.3%	0.0%	2.3%	5.2%	2.8%	100.0%
Interest Jun-19 through Dec -19 on 2019 First Half	\$8,102	\$1,729	\$39	\$1,012	\$429	\$2	\$166	\$2	\$296	\$661	\$357	\$12,796
2019 First Half Refund with P&I	\$311,999	\$66,600	\$1,521	\$38,964	\$16,519	\$87	\$6,400	\$59	\$11,408	\$25,442	\$13,764	492,763
2019 Second Half Refund (Jun '19-Dec '19)	\$ 414,182	\$ 88,413	\$ 2,019	\$ 51,726	\$ 21,929	\$ 115	\$ 8,496	\$ 78	\$ 15,144	\$ 33,774	\$ 18,272	\$ 654,148
2019 Bonus depreciation amortization	\$ 239,968	\$ 51,224	\$ 1,170	\$ 29,969	\$ 12,705	\$ 67	\$ 4,922	\$ 45	\$ 8,774	\$ 19,568	\$ 10,587	\$ 379,000
2019 First Half Credits with P&I	(\$0.0650)	(\$0.0304)	(\$0.0050)	(\$0.0580)	(\$0.0325)	(\$0.0619)	(\$0.0302)	(\$0.0054)	(\$0.0112)	(\$0.0067)	(\$0.0089)	
2019 Second Half Credits (Jun '19-Dec '19)	(\$0.0863)	(\$0.0404)	(\$0.0067)	(\$0.0770)	(\$0.0431)	(\$0.0821)	(\$0.0401)	(\$0.0072)	(\$0.0149)	(\$0.0089)	(\$0.0119)	
2019 Bonus depreciation amortization	(\$0.0500)	(\$0.0234)	(\$0.0039)	(\$0.0446)	(\$0.0250)	(\$0.0476)	(\$0.0233)	(\$0.0042)	(\$0.0086)	(\$0.0052)	(\$0.0069)	
Combined surcharge (2019 First Half, 2019 Second Half, 2019 bonus depreciation)	(\$0.2013)	(\$0.0942)	(\$0.0156)	(\$0.1796)	(\$0.1006)	(\$0.1916)	(\$0.0936)	(\$0.0168)	(\$0.0347)	(\$0.0208)	(\$0.0277)	
2018 Refund Credits	(\$0.1601)	(\$0.0749)	(\$0.0124)	(\$0.1428)	(\$0.0799)	(\$0.1523)	(\$0.0744)	(\$0.0134)	(\$0.0277)	(\$0.0165)	(\$0.0220)	
Total Refund Credits in 2019	(\$0.3614)	(\$0.1691)	(\$0.0280)	(\$0.3224)	(\$0.1805)	(\$0.3439)	(\$0.1680)	(\$0.0302)	(\$0.0624)	(\$0.0373)	(\$0.0497)	

	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Forecast Volumes	Total Volumes
Jan - 19	2,313,903	931,309	72,290	325,852	225,250	585	93,407	4,810	289,464	669,737	272,096	5,198,703	
Feb - 19	2,065,221	860,727	72,953	290,601	207,180	461	67,350	3,441	227,500	568,331	210,543	4,574,308	
Mar - 19	1,711,548	688,831	68,952	240,779	165,093	535	64,380	2,675	224,912	598,426	247,525	4,013,656	
Apr - 19	945,770	399,704	58,361	133,009	95,585	268	44,233	1,540	181,712	581,099	251,091	2,692,372	
May - 19	495,500	218,107	46,354	69,681	52,076	173	27,152	598	130,733	538,211	245,587	1,824,173	
Jun - 19	221,478	125,641	38,237	31,153	29,984	58	10,229	571	101,476	500,012	207,509	1,266,347	
Jul - 19	194,419	110,350	34,643	27,359	26,262	22	9,030	524	93,097	503,296	196,378	1,195,380	
Aug - 19	173,598	110,924	33,673	24,436	26,307	42	11,393	588	106,559	535,433	233,361	1,256,314	
Sep - 19	237,381	146,830	36,089	33,406	34,655	76	11,746	495	99,846	491,141	207,165	1,298,830	
Oct - 19	705,930	316,888	40,665	99,245	74,310	245	27,339	1,230	140,603	549,869	226,418	2,182,742	
Nov - 19	1,252,227	549,217	51,796	175,417	127,258	362	48,195	2,194	187,458	560,435	199,495	3,154,054	
Dec - 19	2,012,566	827,701	66,279	280,773	190,166	595	93,710	5,210	285,410	648,532	267,765	4,678,707	
Total	12,329,541	5,286,229	620,292	1,731,711	1,254,126	3,422	508,165	23,876	2,068,771	6,744,522	2,764,933	33,335,588	

	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Monthly Credits	Total Refund
Jan - 19													\$ -
Feb - 19													-
Mar - 19													-
Apr - 19													-
May - 19													-
Jun - 19	(14,396)	(3,819)	(191)	(1,807)	(974)	(4)	(309)	(3)	(1,137)	(3,350)	(1,847)		(27,837)
Jul - 19	(12,637)	(3,355)	(173)	(1,587)	(854)	(1)	(273)	(3)	(1,043)	(3,372)	(1,748)		(25,045)
Aug - 19	(11,284)	(3,372)	(168)	(1,417)	(855)	(3)	(344)	(3)	(1,193)	(3,587)	(2,077)		(24,304)
Sep - 19	(15,430)	(4,464)	(180)	(1,938)	(1,126)	(5)	(355)	(3)	(1,118)	(3,291)	(1,844)		(29,752)
Oct - 19	(45,885)	(9,633)	(203)	(5,756)	(2,415)	(15)	(826)	(7)	(1,575)	(3,684)	(2,015)		(72,015)
Nov - 19	(81,395)	(16,696)	(259)	(10,174)	(4,136)	(22)	(1,455)	(12)	(2,100)	(3,755)	(1,776)		(121,780)
Dec-18	(130,817)	(25,162)	(331)	(16,285)	(6,180)	(37)	(2,830)	(28)	(3,197)	(4,345)	(2,383)		(191,595)
Total	\$ (311,844)	\$ (66,502)	\$ (1,507)	\$ (38,964)	\$ (16,541)	\$ (87)	\$ (6,392)	\$ (58)	\$ (11,362)	\$ (25,384)	\$ (13,689)		\$ (492,329)

June 2019 through December 2019
 Interest on 2019 First Half Refund

	Beginning Balance	Current Month Activity	Ending Balance	Average Balance	Interest Rate	Days	Monthly Interest
Jan-19	\$0	\$0	\$0	\$0		31	\$0
Feb-19	0	0	0	0		28	0
Mar-19	0	0	0	0		31	0
Apr-19	0	0	0	0		30	0
May-19	0	0	0	0		31	0
Jun-19	479,967	(27,837)	452,130	466,048	6.456%	30	2,473
Jul-19	452,130	(25,045)	427,085	439,607	6.456%	31	2,410
Aug-19	427,085	(24,304)	402,781	414,933	6.456%	31	2,275
Sep-19	402,781	(29,752)	373,028	387,904	6.456%	30	2,058
Oct-19	373,028	(72,015)	301,013	337,021	6.456%	31	1,848
Nov-19	301,013	(121,780)	179,234	240,123	6.456%	30	1,274
Dec-19	179,234	(191,595)	(12,362)	83,436	6.456%	31	457
		(\$492,329)				365	12,796

Michigan Public Service Commission
Michigan Gas Utilities Corporation

MICHIGAN GAS UTILITIES CORPORATION
M.P.S.C. No. 2 - GAS

Third Revised Sheet No. D-1.03
Replaces Second Revised Sheet No. D-1.03

Continued from Sheet No. D-1.01

**SECTION D
RATE SCHEDULES**

D2. SUPPLEMENTAL CHARGES (contd.)

Tax Cut And Jobs Act "Calculation C" Portion Credits

This credit allows the Company to refund to customers the impact of the Federal Tax Cuts and Jobs act of 2017 for excess deferred taxes, bonus depreciation, etc. Customer's bills shall be adjusted by the "Calculation C" credits, per Mcf, on a service rendered basis. Customers shall receive "Calculation C" credits until the Company is authorized new base rates in a general rate case proceeding.

<u>Rate Schedule</u>	<u>Effective June 1, 2019 to Dec. 31, 2019 credit per Mcf</u>	<u>Effective Jan. 1, 2020 credit per Mcf</u>
Residential	(\$0.3614)	(\$0.0579)
Small General Service	(\$0.1691)	(\$0.0288)
Large General Service	(\$0.0280)	(\$0.0056)
Transportation:		
TR-1	(\$0.0624)	(\$0.0126)
TR-2	(\$0.0373)	(\$0.0086)
TR-3	(\$0.0497)	(\$0.0114)
Aggregated - Residential	(\$0.3439)	(\$0.0579)
Aggregated - Small General Service	(\$0.1680)	(\$0.0288)
Aggregated - Large General Service	(\$0.0302)	(\$0.0056)
Choice - Residential	(\$0.3224)	(\$0.0515)
Choice - Small General Service	(\$0.1805)	(\$0.0302)

Continued on Sheet No. D-2.00

Issued:
By Theodore Eidukas
VP - Regulatory Affairs
Milwaukee, Wisconsin

Effective for service rendered
On and After:
Issued Under Authority of the
Michigan Public Service Commission
Order Dated:
In Case No.: **U-20310**

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter on the Commission’s own)
 motion, to consider changes in the rates)
 of all the Michigan rate-regulated)
 electric, steam and natural gas utilities) Case No. U-20310
 to reflect the effects of the federal Tax)
 Cuts and Jobs Act of 2017:)
MICHIGAN GAS UTILITIES CORPORATION)
 files an application for determination of Calculation C)
 as described in orders U-18494 and U-20114.)

PROOF OF SERVICE

STATE OF MICHIGAN)
) ss
 COUNTY OF INGHAM)


Kimberly S. Fox, being first duly sworn, deposes and says that on May 3, 2019, she served the **Settlement Agreement** upon the parties listed below via electronic mail:

Hon. Dennis W. Mack	mackd2@michigan.gov
Michael E. Moody	moodym@michigan.gov
Amit T. Singh	singha9@michigan.gov

Kimberly
 Fox 

 Kimberly S. Fox

Subscribed and sworn before me on this 3rd day of May, 2019.

Allison 
 Kellogg

 Allison Kellogg, Notary Public
 State of Michigan, Shiawassee County
 My Commission Expires: 09/03/2025
 Acting in the County of Ingham

PROOF OF SERVICE

STATE OF MICHIGAN)

Case No. U-20310 *et al.*

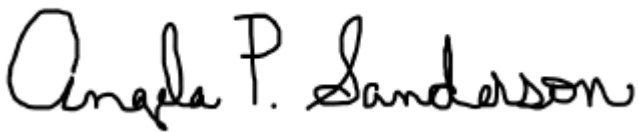
County of Ingham)

Brianna Brown being duly sworn, deposes and says that on May 23, 2019 A.D. she electronically notified the attached list of this **Commission Order via e-mail transmission**, to the persons as shown on the attached service list (Listserv Distribution List).



Brianna Brown

Subscribed and sworn to before me
this 23rd day of May 2019.



Angela P. Sanderson
Notary Public, Shiawassee County, Michigan
As acting in Eaton County
My Commission Expires: May 21, 2024

Service List for Case: U-20310

Name	Email Address
Amit T. Singh	singha9@michigan.gov
Benjamin J. Holwerda	holwerdab@michigan.gov
Dennis Mack	mackd2@michigan.gov
Michael E. Moody	moodym2@michigan.gov
Michigan Gas Utilities Corporation	mpbaker@michigangasutilities.com
Paul M. Collins	collinsp@millercanfield.com
Sherri A. Wellman	wellmans@millercanfield.com

Service List for Case: U-18494

Name	Email Address
Amit T. Singh	singha9@michigan.gov
Andrea E. Hayden	andrea.hayden@dteenergy.com
Brian W. Coyer	bwcoyer@publiclawresourcecenter.com
Bryan A. Brandenburg	bbrandenburg@clarkhill.com
Constance D. Groh	cdgroh@liskeypllc.com
Don L. Keskey	donkeskey@publiclawresourcecenter.com
Heather M.S. Durian	durianh@michigan.gov
Jason T. Hanselman	jhanselman@dykema.com
John R. Liskey	john@liskeypllc.com
Meredith R. Beidler	beidterm@michigan.gov
Michael J. Pattwell	mpattwell@clarkhill.com
Paul M. Collins	collinsp@millercanfield.com
Richard J. Aaron	raaron@dykema.com
Sherri A. Wellman	wellmans@millercanfield.com

Service List for Case: U-20114

Name	Email Address
Amit T. Singh	singha9@michigan.gov
Joel B. King	kingj38@michigan.gov
Michael E. Moody	moodym2@michigan.gov
Michigan Gas Utilities Corporation	mpbaker@michigangasutilities.com
Paul M. Collins	collinsp@milleranfield.com
Sharon Feldman	feldmans@michigan.gov
Sherri A. Wellman	wellmans@milleranfield.com

Service List for Case: U-20181

Name	Email Address
Amit T. Singh	singha9@michigan.gov
Emily A. Jefferson	jeffersone1@michigan.gov
Michael E. Moody	moodym2@michigan.gov
Michigan Gas Utilities Corporation	mpbaker@michigangasutilities.com
Paul M. Collins	collinsp@millercanfield.com
Sharon Feldman	feldmans@michigan.gov
Sherri A. Wellman	wellmans@millercanfield.com

GEMOTION DISTRIBUTION SERVICE LIST

kadarkwa@itctransco.com	ITC
tjlundgren@varnumlaw.com	Energy Michigan
lachappelle@varnumlaw.com	Energy Michigan
awallin@cloverland.com	Cloverland
bmalaski@cloverland.com	Cloverland
mheise@cloverland.com	Cloverland
vobmgr@UP.NET	Village of Baraga
braukerL@MICHIGAN.GOV	Linda Brauker
info@VILLAGEOFCLINTON.ORG	Village of Clinton
jgraham@HOMEWORKS.ORG	Tri-County Electric Co-Op
mkappler@HOMEWORKS.ORG	Tri-County Electric Co-Op
psimmer@HOMEWORKS.ORG	Tri-County Electric Co-Op
frucheyb@DTEENERGY.COM	Citizens Gas Fuel Company
mpscfilings@CMSENERGY.COM	Consumers Energy Company
jim.vansickle@SEMCOENERGY.COM	SEMCO Energy Gas Company
kay8643990@YAHOO.COM	Superior Energy Company
christine.kane@we-energies.com	WEC Energy Group
jlarsen@uppc.com	Upper Peninsula Power Company
dave.allen@TEAMMIDWEST.COM	Midwest Energy Coop
bob.hance@teammidwest.com	Midwest Energy Coop
tharrell@ALGERDELTA.COM	Alger Delta Cooperative
tonya@CECELEC.COM	Cherryland Electric Cooperative
bscott@GLEENERGY.COM	Great Lakes Energy Cooperative
sculver@glenergy.com	Great Lakes Energy Cooperative
kmarklein@STEPHENSON-MI.COM	Stephenson Utilities Department
debbie@ONTOREA.COM	Ontonagon County Rural Elec
ddemaestri@PIEG.COM	Presque Isle Electric & Gas Cooperative, INC
dbraun@TECMI.COOP	Thumb Electric
rbishop@BISHOPENERGY.COM	Bishop Energy
mkuchera@AEPENERGY.COM	AEP Energy
todd.mortimer@CMSENERGY.COM	CMS Energy
jkeegan@justenergy.com	Just Energy Solutions
david.fein@CONSTELLATION.COM	Constellation Energy
kate.stanley@CONSTELLATION.COM	Constellation Energy
kate.fleche@CONSTELLATION.COM	Constellation New Energy
mpscfilings@DTEENERGY.COM	DTE Energy
bgorman@FIRSTENERGYCORP.COM	First Energy
rarchiba@FOSTEROIL.COM	My Choice Energy
greg.bass@calpinesolutions.com	Calpine Energy Solutions
rabaey@SES4ENERGY.COM	Santana Energy
cborr@WPSCI.COM	Spartan Renewable Energy, Inc. (Wolverine Power Marketing Corp)
cityelectric@ESCANABA.ORG	City of Escanaba
crystalfallsmgr@HOTMAIL.COM	City of Crystal Falls
felichel@MICHIGAN.GOV	Lisa Felice
mmann@USGANDE.COM	Michigan Gas & Electric
mpolega@GLADSTONEMI.COM	City of Gladstone

GEMOTION DISTRIBUTION SERVICE LIST

rlferguson@INTEGRYSGROUP.COM	Integrys Group
lrgustafson@CMSENERGY.COM	Lisa Gustafson
daustin@IGSENERGY.COM	Interstate Gas Supply Inc
krichel@DLIB.INFO	Thomas Krichel
cityelectric@BAYCITYMI.ORG	Bay City Electric Light & Power
Stephen.serkaian@lbwl.com	Lansing Board of Water and Light
jreynolds@MBLP.ORG	Marquette Board of Light & Power
bschlansker@PREMIERENERGYLLC.COM	Premier Energy Marketing LLC
ttarkiewicz@CITYOFMARSHALL.COM	City of Marshall
d.motley@COMCAST.NET	Doug Motley
mpauley@GRANGERNET.COM	Marc Pauley
ElectricDept@PORTLAND-MICHIGAN.ORG	City of Portland
gdg@alpenapower.com	Alpena Power
dbodine@LIBERTYPOWERCORP.COM	Liberty Power
leew@WVPA.COM	Wabash Valley Power
kmolitor@WPSCI.COM	Wolverine Power
ham557@GMAIL.COM	Lowell S.
BusinessOffice@REALGY.COM	Realgy Energy Services
landerson@VEENERGY.COM	Volunteer Energy Services
cmcarthur@HILLSDALEBPU.COM	Hillsdale Board of Public Utilities
mrzwiers@INTEGRYSGROUP.COM	Michigan Gas Utilities/Upper Penn Power/Wisconsin
Teresa.ringenbach@directenergy.com	Direct Energy
christina.crable@directenergy.com	Direct Energy
angela.schorr@directenergy.com	Direct Energy
ryan.harwell@directenergy.com	Direct Energy
johnbistranin@realgy.com	Realgy Corp.
kabraham@mpower.org	Katie Abraham, MMEA
mgobrien@aep.com	Indiana Michigan Power Company
mvorabouth@ses4energy.com	Santana Energy
suzy@gomega.com	MEGA
hnester@itctransco.com	ITC Holdings
lpage@dickinsonwright.com	Dickinson Wright
Deborah.e.erwin@xcelenergy.com	Xcel Energy
mmpeck@fischerfranklin.com	Matthew Peck
CANDACE.GONZALES@cmsenergy.com	Consumers Energy
JHDillavou@midamericanenergyservices.com	MidAmerican Energy Services, LLC
JCAltmayer@midamericanenergyservices.com	MidAmerican Energy Services, LLC
LMLann@midamericanenergyservices.com	MidAmerican Energy Services, LLC
karl.j.hoesly@xcelenergy.com	Northern States Power
kerri.wade@teammidwest.com	Midwest Energy Coop
dixie.teague@teammidwest.com	Midwest Energy Coop
meghan.tarver@teammidwest.com	Midwest Energy Coop
Karen.wienke@cmsenergy.com	Consumers Energy
Michael.torrey@cmsenergy.com	Consumers Energy
croziera@dteenergy.com	DTE Energy

GEMOTION DISTRIBUTION SERVICE LIST

stanczakd@dteenergy.com

Michelle.Schlosser@xcelenergy.com

dburks@glenergy.com

kabraham@mpower.org

kermann@atcllc.com

handrew@atcllc.com

mary.wolter@wecenergygroup.com

phil@allendaleheating.com

DTE Energy

Xcel Energy

Great Lakes Energy

Michigan Public Power Agency

American Transmission Company

American Transmission Company

UMERC, MERC and MGU

Phil Forner