

Evergy Missouri West
Case Name: 2022 EMW FAC Rate Adjustment
Case Number: ER-2023-0011

Requestor Mantle Lena -
Response Provided August 15, 2022

Question:8000

Please provide a detailed explanation, including all workpapers with formula intact, of the determination of the balance of \$31 million Evergy West is requesting be deferred.

RESPONSE: (do not edit or delete this line or anything above this)

Confidentiality: PUBLIC

Statement: This response is Public. No Confidential Statement is needed.

Response:

To determine the \$31 million amount to remove from FAC recovery and defer to the PISA regulatory asset account for recovery in a future general rate case, the Company used the same PISA calculation workpapers provided in each of the semi-annual FAC rate updates beginning in Case No. ER-2019-0198.

The PISA workpapers included in ER-2023-0011 in support of the Company's request, included:

- 2018 Base Revenues, effective December 6, 2018
- The "adjusted" \$13.6 million FPA for the 30th accumulation period. This "adjusted" FPA does not exceed the 11.689% CAGR at September 2022 (3% overall cap)
- \$3.5 million Large Power FPA, which does not exceed the 7.685% CAGR at September 2022 (2% class cap)

The Company used the same PISA workpapers to review the following scenarios to determine the proposed deferral of \$31 million:

1. Reference file "West PISA Calc CAGR – May 2022 wo defer.xls" which includes:
 - 2018 Base Revenues, effective December 6, 2018
 - The entire \$44.6 million FPA for the 30th accumulation period which does not exceed the 11.689% CAGR at September 2022 (3% overall cap).
 - The resulting \$11.4 million for Large Power FPA does exceed the 7.685% CAGR at September 2022 (2% class cap) by \$7.9 million which would be transferred to the non-Large Power customer classes FPA for recovery.
2. Reference file "West PISA Calc CAGR – May 2022 w 2022 rate case.xls"

- 2022 Base Revenues – utilized rate case assumptions based on information known at the time of the FAR filing
 - In this scenario, the entire \$44.6 million FPA for the 30th accumulation period does exceed the 12.55% CAGR at December 6, 2022 (3% overall cap) by just over \$31 million
 - In addition, the \$3.5 million Large Power FPA does exceed the 8.243% CAGR at December 6, 2022 (2% class cap) by \$4.4 million which would be transferred to the non-Large Power customer classes FPA for recovery.
3. Reference file “West PISA Calc CAGR – May 2022 w 2022 rate case Adj.xls” which reflects the \$31 million proposed PISA deferral:
- 2022 Base Revenues – utilized rate case assumptions based on information known at the time of the FAR filing
 - \$13.6 million FPA does not exceed the 12.55% CAGR at December 6, 2022 (3% overall cap), the effective date of rates of the impending rate case.
 - \$3.5 million Large Power FPA does exceed the 8.243% CAGR at December 6, 2022 (2% class cap) by \$4.4 million which would be transferred to the non-Large Power FPA for recovery.

As discussed in the letter accompanying this FAR filing submitted on July 1, 2022, in addition to the supplemental supporting testimony of Company witness Darrin R. Ives, the Company’s rationale for the deferral of \$31 million to a PISA regulatory asset account for consideration in a subsequent general rate case can be found there.

Also included in this response is the workpaper supporting the table on page 11 of Darrin R. Ives testimony that was previously emailed to both MPSC Staff and OPC on July 14, 2022.

Information provided by: Lisa Starkebaum, Regulatory Affairs

Attachment(s):

- West PISA Calc CAGR – May 2022 wo defer.xls
- West PISA Calc CAGR – May 2022 w 2022 rate case.xls
- West PISA Calc CAGR – May 2022 w 2022 rate case Adj.xls
- Support for Table – pg 11 of Darrin Ives Testimony.xls

Missouri Verification:

I have read the Information Request and answer thereto and find answer to be true, accurate, full and complete, and contain no material misrepresentations or omissions to the best of my knowledge and belief; and I will disclose to the Commission Staff any matter subsequently discovered which affects the accuracy or completeness of the answer(s) to this Information Request(s).

Signature /s/ *Brad Lutz*
Director Regulatory Affairs

Overall 3% Cap (Section 393.1655.3)

Line No.	Description	Average Overall Rate Effective December 6, 2018				Proposed Revenue for Recovery with semi-annual FAC rate update (30th Accumulation)			
		Total Revenue	Total Sales kWh	Tariff Rate	Tariff w/Avg VAF	Total Revenue	Total Sales kWh	Tariff Rate	Tariff w/Avg VAF
1	Base Revenue					Base Revenue			
2	2018 Rate Case Revenue per Stipulation	\$ 744,758,135				2018 Rate Case Revenue per Stipulation	\$ 744,758,135		
3	2018 Rate Case Revenue Decrease	(23,981,212)				2018 Rate Case Revenue Decrease	(23,981,212)		
4	Total Revenue Required	\$ 720,776,923	7,957,355,672	\$ 0.09058	\$ 0.09058	Total Revenue Required	\$ 720,776,923	7,957,355,672	\$ 0.09058
5	effective 12/6/2018 ER-2018-0146					effective 12/6/2018 ER-2018-0146			
6	Rider Revenue					Rider Revenue			
7	RESRAM	\$ 7,207,581	8,719,922,175	\$ 0.00083	\$ 0.00083	RESRAM	\$ 7,207,581	8,091,385,105	\$ 0.00089
8	effective 12/1/2018 ET-2019-0092					effective 12/1/2021 ET-2022-0092			
10	FAC					FAC			
11	21st Accumulation					29th Accumulation			
12	Recovered March 2018 - February 2019					Recovered March 2022 - August 2022			
13	Total FPA includes true-up	\$ 8,315,398	8,761,343,321	\$ 0.00095	\$ 0.00096	Total FPA includes true-up	\$ 47,488,718	8,632,897,538	\$ 0.00550
14	Weighted Avg VAF using Rate Case ER-2018-0146		0.010670			Weighted Avg VAF using Rate Case ER-2018-0146		0.010398	
15	22nd Accumulation					30th Accumulation			
16	Recovered September 2018 - August 2019					Recovered September 2022 - February 2023			
17	Total FPA includes true-up	\$ 11,366,822	8,785,320,152	\$ 0.00129	\$ 0.00130	Total FPA includes true-up	\$ 44,603,622	8,659,609,098	\$ 0.00515
18	Weighted Avg VAF using Rate Case ER-2018-0146		0.010670			Weighted Avg VAF using Rate Case ER-2018-0146		0.010398	
20	Total Revenue Allowed to Recover	\$ 747,666,724			\$ 0.09367	Proposed Projected Revenue to Recover	\$ 820,076,844		\$ 0.10223
22						Rate Incr / (Decr) over Avg Overall Rate			\$ 0.00856
23						Projected Rate Change			9.14%
24									
25	For rates effective September 2022 (30th AP)					Adjustment amount in excess of Avg Overall Rate Cap:	11.69%		
26						Amount Deferred (393.1655.5)	\$ -	\$ -	\$ -
27									
28	3% Average Overall Rate Cap is actually:				11.6887%				
29						Proposed Projected Revenue to Recover	\$ 820,076,844		\$ 0.10223
30									
31						Rate Incr / (Decr) over Avg Overall Rate			\$ 0.00856
32						Projected Rate Change			9.14%

After Adjustment:

Revised tariff amount	Revenue	Sales kWh	Tariff Rate
Original 30th Accumulation	\$ 44,603,622	8,659,609,098	\$ 0.00515
Amount Deferred	-	-	-
Final 30th Accumulation FPA	\$ 44,603,622	8,659,609,098	\$ 0.00515

Large Power 2% Cap (Section 393.1655.6)

Line No.	Description	Class Average Overall Rate Effective December 6, 2018				Proposed Revenue for Recovery with semi-annual FAC rate update (30th Accumulation)			
		Large Power Revenue	Large Power Sales kWh	LP Tariff Rate	LP Tariff w/Avg VAF	Large Power Revenue	Large Power Sales kWh	LP Tariff Rate	LP Tariff w/Avg VAF
33	Base Revenue LP					Base Revenue LP			
34	2018 Rate Case Revenue per Stipulation	\$ 130,744,916				2018 Rate Case Revenue per Stipulation	\$ 130,744,916		
35	2018 Rate Case Revenue Decrease	(4,209,986)				2018 Rate Case Revenue Decrease	(4,209,986)		
36	Total Revenue Required	\$ 126,534,930	2,060,228,862	\$ 0.06142	\$ 0.06142	Total Revenue Required	\$ 126,534,930	2,060,228,862	\$ 0.06142
37	effective 12/6/2018 ER-2018-0146		25.89%			effective 12/6/2018 ER-2018-0146		25.89%	
38	Rider Revenue					Rider Revenue			
39	RESRAM LP	\$ 1,873,798	2,257,587,851	\$ 0.00083	\$ 0.00083	RESRAM LP	\$ 1,864,425	2,094,859,604	\$ 0.00089
40	effective 12/1/2018 ET-2019-0092					effective 12/1/2020 ET-2021-0094			
42	FAC					FAC			
43	21st Accumulation LP					29th Accumulation LP - with 3% cap deferral when necessary			
44	Recovered March 2018 - February 2019					Recovered March 2022 - August 2022			
45	Total FPA includes true-up	\$ 2,154,896	2,268,311,786	\$ 0.00095	\$ 0.00096	Total FPA includes true-up	\$ 12,148,416	2,208,440,965	\$ 0.00550
46	Weighted Avg VAF using Rate Case ER-2018-0146		0.010575			Weighted Avg VAF using Rate Case ER-2018-0146		0.010326	
47	22nd Accumulation LP					30th Accumulation LP - with 3% cap deferral when necessary			
48	Recovered September 2018 - August 2019					Recovered September 2022 - February 2023			
49	Total FPA includes true-up	\$ 2,934,130	2,274,519,387	\$ 0.00129	\$ 0.00130	Total FPA includes true-up	\$ 11,421,760	2,217,487,512	\$ 0.00515
50	Weighted Avg VAF using Rate Case ER-2018-0146		0.010575			Weighted Avg VAF using Rate Case ER-2018-0146		0.010326	
52	Total Revenue Allowed to Recover	\$ 133,497,754			\$ 0.06451	Proposed Projected Revenue to Recover	\$ 151,969,531		\$ 0.07307
54						Rate Incr / (Decr) over Class Avg Overall Rate			\$ 0.00856
55						Projected Rate Change			13.27%
56									
57	For rates effective September 2022 (30th AP)					Adjustment needed if over Class Avg Overall Rate cap	7.68%		
58						Adjustment (393.1655.6)	\$ (7,916,430)	\$ (0.00357)	\$ (0.00360)
59									
60	2% Class Average Overall Rate Cap is actually:				7.6850%				
61						Proposed Projected Revenue to Recover	\$ 144,053,100		\$ 0.06947
62									
63						Rate Incr / (Decr) over Class Avg Overall Rate			\$ 0.00496
64						Projected Rate Change			7.68%

After Adjustment:

Revised tariff amount	Revenue	Sales kWh	Tariff Rate
Original LP FPA	\$ 11,421,760	2,217,487,512	\$ 0.00515
Adjustment	(7,916,430)		(0.00357)
Final LP FPA	\$ 3,505,329	2,217,487,512	\$ 0.00158
Ref. Tariff Sheet No. 127.23	Line 11	Line 12	Line 13

Final Non-LP FPA	\$ 41,098,293	6,442,121,586	\$ 0.00638
Ref. Tariff Sheet No. 127.23	Line 11	Line 12	Line 13

Final 30th Accumulation FPA	\$ 44,603,622	8,659,609,098	
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KCP&L Greater Missouri Operation Class Revenue - For Settlement - ER-2018-0146

GMO RATE CLASSIFICATION	Staff's Settled Sales (kWh)	Staff's Settled Revenues	Settled Decrease	-3.22%		Staff's Settled Sales (kWh)	% of Sales	Staff's Settled Revenues	\$/kWh	% of Revenue
				Overall Decrease						
LARGE POWER TOTAL	2,060,228,862	\$ 130,744,916	\$ (4,209,986.30)	-3.22%		2,060,228,862	25.89%	\$ 126,534,930	\$ 0.06142	17.56%
LARGE GEN SVC TOTAL	1,259,931,380	\$ 99,182,696	\$ (3,193,682.81)	-3.22%		1,259,931,380	15.83%	\$ 95,989,013	\$ 0.07619	13.32%
SMALL GEN SVC TOTAL	1,166,411,321	\$ 118,921,918	\$ (3,829,285.76)	-3.22%		1,166,411,321	14.66%	\$ 115,092,632	\$ 0.09867	15.97%
RESIDENTIAL TOTAL	3,460,775,283	\$ 381,760,270	\$ (12,292,680.69)	-3.22%		3,460,775,283	43.49%	\$ 369,467,589	\$ 0.10676	51.26%
GENERAL TOD	381,187	\$ 35,159	\$ (1,132.12)	-3.22%		381,187	0.00%	\$ 34,027	\$ 0.08927	0.00%
THERMAL	8,281,604	\$ 528,228	\$ (17,008.94)	-3.22%		8,281,604	0.10%	\$ 511,219	\$ 0.06173	0.07%
METERED LIGHTING	1,346,035	\$ 120,911	\$ (3,893.33)	-3.22%		1,346,035	0.02%	\$ 117,018	\$ 0.08694	0.02%
GMO Metered TOTALS	7,957,355,672	\$ 731,294,098	\$ (23,547,670)					\$ 707,746,428	\$ 0.08894	98.19%
UNMETERED LIGHTING		\$ 13,464,037	\$ (433,541.99)	-3.22%				\$ 13,030,495		1.81%
GMO TOTAL	7,957,355,672	\$ 744,758,135	\$ (23,981,212)	-3.22%		7,957,355,672	100.00%	\$ 720,776,923	\$ 0.09058	100.00%

from COS GMO Rate Design Settlement

	Large Power	Large Gen Svc	Small Gen Svc	Residential	General TOD	Thermal	Metered Light	TOTAL	VAF ER-2018-0146	
Secondary	1,106,813,971	1,152,420,722	1,162,627,187	3,460,775,283	381,187	8,281,604	1,346,035	6,892,645,989	1.0426	7,186,272,708
Primary	565,903,500	107,510,658	3,784,133					677,198,291	1.0268	695,347,205
Primary (Transmission)	106,216,852	-	-					106,216,852	1.0100	107,279,021
Primary (Substation)	281,294,540	-	-					281,294,540	1.0133	285,035,757
	2,060,228,863	1,259,931,380	1,166,411,320	3,460,775,283	381,187	8,281,604	1,346,035	7,957,355,672		8,273,934,691
	(1)	0	1	(0)	(0)	-	-	0		
Total Company										1.0398 Average loss or VAF

from COS GMO Rate Design Settlement

	Large Power	TOTAL	VAF ER-2018-0146	
Secondary	1,106,813,971	1,106,813,971	1.0426	1,153,964,246
Primary	565,903,500	565,903,500	1.0268	581,069,714
Primary (Transmission)	106,216,852	106,216,852	1.0100	107,279,021
Primary (Substation)	281,294,540	281,294,540	1.0133	285,035,757
	2,060,228,863	2,060,228,863		2,127,348,738
	(1)	(1)		
Large Power			1.0326	Average loss or VAF

GMO FAC Intra-Year CAGR Limits

	Overall	Large Power
Date	3.00%	2.00%
GMO Semi-Annual FAC CAGR Dates		
09/01/19	2.2110%	1.4740%
03/01/20	3.7281%	2.4807%
09/01/20	5.2858%	3.5090%
03/01/21	6.8312%	4.5246%
09/01/21	8.4356%	5.5735%
03/01/22	10.0361%	6.6151%
09/01/22	11.6887%	7.6850%
Annual Rate Case CAGR Dates		
12/06/19	3.0000%	2.0000%
12/06/20	6.0900%	4.0400%
12/06/21	9.2727%	6.1208%
12/06/22	12.5509%	8.2432%

Date	Lookup		3.00%		2.00%	
	Year	Day	Daily	CAGR	Daily	CAGR
12/07/18	1	1	0.0082%	0.01%	0.0055%	0.01%
12/08/18	1	2	0.0082%	0.02%	0.0055%	0.01%
12/09/18	1	3	0.0082%	0.02%	0.0055%	0.02%
12/10/18	1	4	0.0082%	0.03%	0.0055%	0.02%
12/11/18	1	5	0.0082%	0.04%	0.0055%	0.03%
12/12/18	1	6	0.0082%	0.05%	0.0055%	0.03%
12/13/18	1	7	0.0082%	0.06%	0.0055%	0.04%
12/14/18	1	8	0.0082%	0.07%	0.0055%	0.04%
12/15/18	1	9	0.0082%	0.07%	0.0055%	0.05%
12/16/18	1	10	0.0082%	0.08%	0.0055%	0.05%
12/17/18	1	11	0.0082%	0.09%	0.0055%	0.06%
12/18/18	1	12	0.0082%	0.10%	0.0055%	0.07%
12/19/18	1	13	0.0082%	0.11%	0.0055%	0.07%
12/20/18	1	14	0.0082%	0.12%	0.0055%	0.08%
12/21/18	1	15	0.0082%	0.12%	0.0055%	0.08%
12/22/18	1	16	0.0082%	0.13%	0.0055%	0.09%
12/23/18	1	17	0.0082%	0.14%	0.0055%	0.09%
12/24/18	1	18	0.0082%	0.15%	0.0055%	0.10%
12/25/18	1	19	0.0082%	0.16%	0.0055%	0.10%
12/26/18	1	20	0.0082%	0.16%	0.0055%	0.11%
12/27/18	1	21	0.0082%	0.17%	0.0055%	0.12%
12/28/18	1	22	0.0082%	0.18%	0.0055%	0.12%
12/29/18	1	23	0.0082%	0.19%	0.0055%	0.13%
12/30/18	1	24	0.0082%	0.20%	0.0055%	0.13%
12/31/18	1	25	0.0082%	0.21%	0.0055%	0.14%
01/01/19	1	26	0.0082%	0.21%	0.0055%	0.14%
01/02/19	1	27	0.0082%	0.22%	0.0055%	0.15%
01/03/19	1	28	0.0082%	0.23%	0.0055%	0.15%
01/04/19	1	29	0.0082%	0.24%	0.0055%	0.16%
01/05/19	1	30	0.0082%	0.25%	0.0055%	0.16%
01/06/19	1	31	0.0082%	0.25%	0.0055%	0.17%
01/07/19	1	32	0.0082%	0.26%	0.0055%	0.18%
01/08/19	1	33	0.0082%	0.27%	0.0055%	0.18%
01/09/19	1	34	0.0082%	0.28%	0.0055%	0.19%
01/10/19	1	35	0.0082%	0.29%	0.0055%	0.19%
01/11/19	1	36	0.0082%	0.30%	0.0055%	0.20%
01/12/19	1	37	0.0082%	0.30%	0.0055%	0.20%
01/13/19	1	38	0.0082%	0.31%	0.0055%	0.21%
01/14/19	1	39	0.0082%	0.32%	0.0055%	0.21%
01/15/19	1	40	0.0082%	0.33%	0.0055%	0.22%
01/16/19	1	41	0.0082%	0.34%	0.0055%	0.22%
01/17/19	1	42	0.0082%	0.35%	0.0055%	0.23%
01/18/19	1	43	0.0082%	0.35%	0.0055%	0.24%
01/19/19	1	44	0.0082%	0.36%	0.0055%	0.24%
01/20/19	1	45	0.0082%	0.37%	0.0055%	0.25%
01/21/19	1	46	0.0082%	0.38%	0.0055%	0.25%
01/22/19	1	47	0.0082%	0.39%	0.0055%	0.26%
01/23/19	1	48	0.0082%	0.39%	0.0055%	0.26%
01/24/19	1	49	0.0082%	0.40%	0.0055%	0.27%
01/25/19	1	50	0.0082%	0.41%	0.0055%	0.27%
01/26/19	1	51	0.0082%	0.42%	0.0055%	0.28%
01/27/19	1	52	0.0082%	0.43%	0.0055%	0.28%
01/28/19	1	53	0.0082%	0.44%	0.0055%	0.29%
01/29/19	1	54	0.0082%	0.44%	0.0055%	0.30%
01/30/19	1	55	0.0082%	0.45%	0.0055%	0.30%
01/31/19	1	56	0.0082%	0.46%	0.0055%	0.31%
02/01/19	1	57	0.0082%	0.47%	0.0055%	0.31%
02/02/19	1	58	0.0082%	0.48%	0.0055%	0.32%
02/03/19	1	59	0.0082%	0.48%	0.0055%	0.32%
02/04/19	1	60	0.0082%	0.49%	0.0055%	0.33%
02/05/19	1	61	0.0082%	0.50%	0.0055%	0.33%
02/06/19	1	62	0.0082%	0.51%	0.0055%	0.34%
02/07/19	1	63	0.0082%	0.52%	0.0055%	0.35%
02/08/19	1	64	0.0082%	0.53%	0.0055%	0.35%
02/09/19	1	65	0.0082%	0.53%	0.0055%	0.36%
02/10/19	1	66	0.0082%	0.54%	0.0055%	0.36%
02/11/19	1	67	0.0082%	0.55%	0.0055%	0.37%
02/12/19	1	68	0.0082%	0.56%	0.0055%	0.37%
02/13/19	1	69	0.0082%	0.57%	0.0055%	0.38%
02/14/19	1	70	0.0082%	0.58%	0.0055%	0.38%
02/15/19	1	71	0.0082%	0.58%	0.0055%	0.39%
02/16/19	1	72	0.0082%	0.59%	0.0055%	0.39%
02/17/19	1	73	0.0082%	0.60%	0.0055%	0.40%
02/18/19	1	74	0.0082%	0.61%	0.0055%	0.41%
02/19/19	1	75	0.0082%	0.62%	0.0055%	0.41%
02/20/19	1	76	0.0082%	0.62%	0.0055%	0.42%
02/21/19	1	77	0.0082%	0.63%	0.0055%	0.42%
02/22/19	1	78	0.0082%	0.64%	0.0055%	0.43%
02/23/19	1	79	0.0082%	0.65%	0.0055%	0.43%
02/24/19	1	80	0.0082%	0.66%	0.0055%	0.44%
02/25/19	1	81	0.0082%	0.67%	0.0055%	0.44%
02/26/19	1	82	0.0082%	0.67%	0.0055%	0.45%
02/27/19	1	83	0.0082%	0.68%	0.0055%	0.45%
02/28/19	1	84	0.0082%	0.69%	0.0055%	0.46%
03/01/19	1	85	0.0082%	0.70%	0.0055%	0.47%
03/02/19	1	86	0.0082%	0.71%	0.0055%	0.47%
03/03/19	1	87	0.0082%	0.72%	0.0055%	0.48%
03/04/19	1	88	0.0082%	0.72%	0.0055%	0.48%
03/05/19	1	89	0.0082%	0.73%	0.0055%	0.49%
03/06/19	1	90	0.0082%	0.74%	0.0055%	0.49%
03/07/19	1	91	0.0082%	0.75%	0.0055%	0.50%
03/08/19	1	92	0.0082%	0.76%	0.0055%	0.50%
03/09/19	1	93	0.0082%	0.76%	0.0055%	0.51%
03/10/19	1	94	0.0082%	0.77%	0.0055%	0.52%
03/11/19	1	95	0.0082%	0.78%	0.0055%	0.52%
03/12/19	1	96	0.0082%	0.79%	0.0055%	0.53%
03/13/19	1	97	0.0082%	0.80%	0.0055%	0.53%
03/14/19	1	98	0.0082%	0.81%	0.0055%	0.54%
03/15/19	1	99	0.0082%	0.81%	0.0055%	0.54%
03/16/19	1	100	0.0082%	0.82%	0.0055%	0.55%
03/17/19	1	101	0.0082%	0.83%	0.0055%	0.55%
03/18/19	1	102	0.0082%	0.84%	0.0055%	0.56%
03/19/19	1	103	0.0082%	0.85%	0.0055%	0.56%
03/20/19	1	104	0.0082%	0.85%	0.0055%	0.57%
03/21/19	1	105	0.0082%	0.86%	0.0055%	0.58%
03/22/19	1	106	0.0082%	0.87%	0.0055%	0.58%
03/23/19	1	107	0.0082%	0.88%	0.0055%	0.59%

03/24/19	1	108	0.0082%	0.89%	0.0055%	0.59%
03/25/19	1	109	0.0082%	0.90%	0.0055%	0.60%
03/26/19	1	110	0.0082%	0.90%	0.0055%	0.60%
03/27/19	1	111	0.0082%	0.91%	0.0055%	0.61%
03/28/19	1	112	0.0082%	0.92%	0.0055%	0.61%
03/29/19	1	113	0.0082%	0.93%	0.0055%	0.62%
03/30/19	1	114	0.0082%	0.94%	0.0055%	0.62%
03/31/19	1	115	0.0082%	0.95%	0.0055%	0.63%
04/01/19	1	116	0.0082%	0.95%	0.0055%	0.64%
04/02/19	1	117	0.0082%	0.96%	0.0055%	0.64%
04/03/19	1	118	0.0082%	0.97%	0.0055%	0.65%
04/04/19	1	119	0.0082%	0.98%	0.0055%	0.65%
04/05/19	1	120	0.0082%	0.99%	0.0055%	0.66%
04/06/19	1	121	0.0082%	0.99%	0.0055%	0.66%
04/07/19	1	122	0.0082%	1.00%	0.0055%	0.67%
04/08/19	1	123	0.0082%	1.01%	0.0055%	0.67%
04/09/19	1	124	0.0082%	1.02%	0.0055%	0.68%
04/10/19	1	125	0.0082%	1.03%	0.0055%	0.68%
04/11/19	1	126	0.0082%	1.04%	0.0055%	0.69%
04/12/19	1	127	0.0082%	1.04%	0.0055%	0.70%
04/13/19	1	128	0.0082%	1.05%	0.0055%	0.70%
04/14/19	1	129	0.0082%	1.06%	0.0055%	0.71%
04/15/19	1	130	0.0082%	1.07%	0.0055%	0.71%
04/16/19	1	131	0.0082%	1.08%	0.0055%	0.72%
04/17/19	1	132	0.0082%	1.08%	0.0055%	0.72%
04/18/19	1	133	0.0082%	1.09%	0.0055%	0.73%
04/19/19	1	134	0.0082%	1.10%	0.0055%	0.73%
04/20/19	1	135	0.0082%	1.11%	0.0055%	0.74%
04/21/19	1	136	0.0082%	1.12%	0.0055%	0.75%
04/22/19	1	137	0.0082%	1.13%	0.0055%	0.75%
04/23/19	1	138	0.0082%	1.13%	0.0055%	0.76%
04/24/19	1	139	0.0082%	1.14%	0.0055%	0.76%
04/25/19	1	140	0.0082%	1.15%	0.0055%	0.77%
04/26/19	1	141	0.0082%	1.16%	0.0055%	0.77%
04/27/19	1	142	0.0082%	1.17%	0.0055%	0.78%
04/28/19	1	143	0.0082%	1.18%	0.0055%	0.78%
04/29/19	1	144	0.0082%	1.18%	0.0055%	0.79%
04/30/19	1	145	0.0082%	1.19%	0.0055%	0.79%
05/01/19	1	146	0.0082%	1.20%	0.0055%	0.80%
05/02/19	1	147	0.0082%	1.21%	0.0055%	0.81%
05/03/19	1	148	0.0082%	1.22%	0.0055%	0.81%
05/04/19	1	149	0.0082%	1.22%	0.0055%	0.82%
05/05/19	1	150	0.0082%	1.23%	0.0055%	0.82%
05/06/19	1	151	0.0082%	1.24%	0.0055%	0.83%
05/07/19	1	152	0.0082%	1.25%	0.0055%	0.83%
05/08/19	1	153	0.0082%	1.26%	0.0055%	0.84%
05/09/19	1	154	0.0082%	1.27%	0.0055%	0.84%
05/10/19	1	155	0.0082%	1.27%	0.0055%	0.85%
05/11/19	1	156	0.0082%	1.28%	0.0055%	0.85%
05/12/19	1	157	0.0082%	1.29%	0.0055%	0.86%
05/13/19	1	158	0.0082%	1.30%	0.0055%	0.87%
05/14/19	1	159	0.0082%	1.31%	0.0055%	0.87%
05/15/19	1	160	0.0082%	1.32%	0.0055%	0.88%
05/16/19	1	161	0.0082%	1.32%	0.0055%	0.88%
05/17/19	1	162	0.0082%	1.33%	0.0055%	0.89%
05/18/19	1	163	0.0082%	1.34%	0.0055%	0.89%
05/19/19	1	164	0.0082%	1.35%	0.0055%	0.90%
05/20/19	1	165	0.0082%	1.36%	0.0055%	0.90%
05/21/19	1	166	0.0082%	1.36%	0.0055%	0.91%
05/22/19	1	167	0.0082%	1.37%	0.0055%	0.92%
05/23/19	1	168	0.0082%	1.38%	0.0055%	0.92%
05/24/19	1	169	0.0082%	1.39%	0.0055%	0.93%
05/25/19	1	170	0.0082%	1.40%	0.0055%	0.93%
05/26/19	1	171	0.0082%	1.41%	0.0055%	0.94%
05/27/19	1	172	0.0082%	1.41%	0.0055%	0.94%
05/28/19	1	173	0.0082%	1.42%	0.0055%	0.95%
05/29/19	1	174	0.0082%	1.43%	0.0055%	0.95%
05/30/19	1	175	0.0082%	1.44%	0.0055%	0.96%
05/31/19	1	176	0.0082%	1.45%	0.0055%	0.96%
06/01/19	1	177	0.0082%	1.45%	0.0055%	0.97%
06/02/19	1	178	0.0082%	1.46%	0.0055%	0.98%
06/03/19	1	179	0.0082%	1.47%	0.0055%	0.98%
06/04/19	1	180	0.0082%	1.48%	0.0055%	0.99%
06/05/19	1	181	0.0082%	1.49%	0.0055%	0.99%
06/06/19	1	182	0.0082%	1.50%	0.0055%	1.00%
06/07/19	1	183	0.0082%	1.50%	0.0055%	1.00%
06/08/19	1	184	0.0082%	1.51%	0.0055%	1.01%
06/09/19	1	185	0.0082%	1.52%	0.0055%	1.01%
06/10/19	1	186	0.0082%	1.53%	0.0055%	1.02%
06/11/19	1	187	0.0082%	1.54%	0.0055%	1.02%
06/12/19	1	188	0.0082%	1.55%	0.0055%	1.03%
06/13/19	1	189	0.0082%	1.55%	0.0055%	1.04%
06/14/19	1	190	0.0082%	1.56%	0.0055%	1.04%
06/15/19	1	191	0.0082%	1.57%	0.0055%	1.05%
06/16/19	1	192	0.0082%	1.58%	0.0055%	1.05%
06/17/19	1	193	0.0082%	1.59%	0.0055%	1.06%
06/18/19	1	194	0.0082%	1.59%	0.0055%	1.06%
06/19/19	1	195	0.0082%	1.60%	0.0055%	1.07%
06/20/19	1	196	0.0082%	1.61%	0.0055%	1.07%
06/21/19	1	197	0.0082%	1.62%	0.0055%	1.08%
06/22/19	1	198	0.0082%	1.63%	0.0055%	1.08%
06/23/19	1	199	0.0082%	1.64%	0.0055%	1.09%
06/24/19	1	200	0.0082%	1.64%	0.0055%	1.10%
06/25/19	1	201	0.0082%	1.65%	0.0055%	1.10%
06/26/19	1	202	0.0082%	1.66%	0.0055%	1.11%
06/27/19	1	203	0.0082%	1.67%	0.0055%	1.11%
06/28/19	1	204	0.0082%	1.68%	0.0055%	1.12%
06/29/19	1	205	0.0082%	1.68%	0.0055%	1.12%
06/30/19	1	206	0.0082%	1.69%	0.0055%	1.13%
07/01/19	1	207	0.0082%	1.70%	0.0055%	1.13%
07/02/19	1	208	0.0082%	1.71%	0.0055%	1.14%
07/03/19	1	209	0.0082%	1.72%	0.0055%	1.15%
07/04/19	1	210	0.0082%	1.73%	0.0055%	1.15%
07/05/19	1	211	0.0082%	1.73%	0.0055%	1.16%
07/06/19	1	212	0.0082%	1.74%	0.0055%	1.16%
07/07/19	1	213	0.0082%	1.75%	0.0055%	1.17%
07/08/19	1	214	0.0082%	1.76%	0.0055%	1.17%
07/09/19	1	215	0.0082%	1.77%	0.0055%	1.18%
07/10/19	1	216	0.0082%	1.78%	0.0055%	1.18%

07/11/19	1	217	0.0082%	1.78%	0.0055%	1.19%
07/12/19	1	218	0.0082%	1.79%	0.0055%	1.19%
07/13/19	1	219	0.0082%	1.80%	0.0055%	1.20%
07/14/19	1	220	0.0082%	1.81%	0.0055%	1.21%
07/15/19	1	221	0.0082%	1.82%	0.0055%	1.21%
07/16/19	1	222	0.0082%	1.82%	0.0055%	1.22%
07/17/19	1	223	0.0082%	1.83%	0.0055%	1.22%
07/18/19	1	224	0.0082%	1.84%	0.0055%	1.23%
07/19/19	1	225	0.0082%	1.85%	0.0055%	1.23%
07/20/19	1	226	0.0082%	1.86%	0.0055%	1.24%
07/21/19	1	227	0.0082%	1.87%	0.0055%	1.24%
07/22/19	1	228	0.0082%	1.87%	0.0055%	1.25%
07/23/19	1	229	0.0082%	1.88%	0.0055%	1.25%
07/24/19	1	230	0.0082%	1.89%	0.0055%	1.26%
07/25/19	1	231	0.0082%	1.90%	0.0055%	1.27%
07/26/19	1	232	0.0082%	1.91%	0.0055%	1.27%
07/27/19	1	233	0.0082%	1.92%	0.0055%	1.28%
07/28/19	1	234	0.0082%	1.92%	0.0055%	1.28%
07/29/19	1	235	0.0082%	1.93%	0.0055%	1.29%
07/30/19	1	236	0.0082%	1.94%	0.0055%	1.29%
07/31/19	1	237	0.0082%	1.95%	0.0055%	1.30%
08/01/19	1	238	0.0082%	1.96%	0.0055%	1.30%
08/02/19	1	239	0.0082%	1.96%	0.0055%	1.31%
08/03/19	1	240	0.0082%	1.97%	0.0055%	1.32%
08/04/19	1	241	0.0082%	1.98%	0.0055%	1.32%
08/05/19	1	242	0.0082%	1.99%	0.0055%	1.33%
08/06/19	1	243	0.0082%	2.00%	0.0055%	1.33%
08/07/19	1	244	0.0082%	2.01%	0.0055%	1.34%
08/08/19	1	245	0.0082%	2.01%	0.0055%	1.34%
08/09/19	1	246	0.0082%	2.02%	0.0055%	1.35%
08/10/19	1	247	0.0082%	2.03%	0.0055%	1.35%
08/11/19	1	248	0.0082%	2.04%	0.0055%	1.36%
08/12/19	1	249	0.0082%	2.05%	0.0055%	1.36%
08/13/19	1	250	0.0082%	2.05%	0.0055%	1.37%
08/14/19	1	251	0.0082%	2.06%	0.0055%	1.38%
08/15/19	1	252	0.0082%	2.07%	0.0055%	1.38%
08/16/19	1	253	0.0082%	2.08%	0.0055%	1.39%
08/17/19	1	254	0.0082%	2.09%	0.0055%	1.39%
08/18/19	1	255	0.0082%	2.10%	0.0055%	1.40%
08/19/19	1	256	0.0082%	2.10%	0.0055%	1.40%
08/20/19	1	257	0.0082%	2.11%	0.0055%	1.41%
08/21/19	1	258	0.0082%	2.12%	0.0055%	1.41%
08/22/19	1	259	0.0082%	2.13%	0.0055%	1.42%
08/23/19	1	260	0.0082%	2.14%	0.0055%	1.42%
08/24/19	1	261	0.0082%	2.15%	0.0055%	1.43%
08/25/19	1	262	0.0082%	2.15%	0.0055%	1.44%
08/26/19	1	263	0.0082%	2.16%	0.0055%	1.44%
08/27/19	1	264	0.0082%	2.17%	0.0055%	1.45%
08/28/19	1	265	0.0082%	2.18%	0.0055%	1.45%
08/29/19	1	266	0.0082%	2.19%	0.0055%	1.46%
08/30/19	1	267	0.0082%	2.19%	0.0055%	1.46%
08/31/19	1	268	0.0082%	2.20%	0.0055%	1.47%
09/01/19	1	269	0.0082%	2.21%	0.0055%	1.47%
09/02/19	1	270	0.0082%	2.22%	0.0055%	1.48%
09/03/19	1	271	0.0082%	2.23%	0.0055%	1.48%
09/04/19	1	272	0.0082%	2.24%	0.0055%	1.49%
09/05/19	1	273	0.0082%	2.24%	0.0055%	1.50%
09/06/19	1	274	0.0082%	2.25%	0.0055%	1.50%
09/07/19	1	275	0.0082%	2.26%	0.0055%	1.51%
09/08/19	1	276	0.0082%	2.27%	0.0055%	1.51%
09/09/19	1	277	0.0082%	2.28%	0.0055%	1.52%
09/10/19	1	278	0.0082%	2.28%	0.0055%	1.52%
09/11/19	1	279	0.0082%	2.29%	0.0055%	1.53%
09/12/19	1	280	0.0082%	2.30%	0.0055%	1.53%
09/13/19	1	281	0.0082%	2.31%	0.0055%	1.54%
09/14/19	1	282	0.0082%	2.32%	0.0055%	1.55%
09/15/19	1	283	0.0082%	2.33%	0.0055%	1.55%
09/16/19	1	284	0.0082%	2.33%	0.0055%	1.56%
09/17/19	1	285	0.0082%	2.34%	0.0055%	1.56%
09/18/19	1	286	0.0082%	2.35%	0.0055%	1.57%
09/19/19	1	287	0.0082%	2.36%	0.0055%	1.57%
09/20/19	1	288	0.0082%	2.37%	0.0055%	1.58%
09/21/19	1	289	0.0082%	2.38%	0.0055%	1.58%
09/22/19	1	290	0.0082%	2.38%	0.0055%	1.59%
09/23/19	1	291	0.0082%	2.39%	0.0055%	1.59%
09/24/19	1	292	0.0082%	2.40%	0.0055%	1.60%
09/25/19	1	293	0.0082%	2.41%	0.0055%	1.61%
09/26/19	1	294	0.0082%	2.42%	0.0055%	1.61%
09/27/19	1	295	0.0082%	2.42%	0.0055%	1.62%
09/28/19	1	296	0.0082%	2.43%	0.0055%	1.62%
09/29/19	1	297	0.0082%	2.44%	0.0055%	1.63%
09/30/19	1	298	0.0082%	2.45%	0.0055%	1.63%
10/01/19	1	299	0.0082%	2.46%	0.0055%	1.64%
10/02/19	1	300	0.0082%	2.47%	0.0055%	1.64%
10/03/19	1	301	0.0082%	2.47%	0.0055%	1.65%
10/04/19	1	302	0.0082%	2.48%	0.0055%	1.65%
10/05/19	1	303	0.0082%	2.49%	0.0055%	1.66%
10/06/19	1	304	0.0082%	2.50%	0.0055%	1.67%
10/07/19	1	305	0.0082%	2.51%	0.0055%	1.67%
10/08/19	1	306	0.0082%	2.52%	0.0055%	1.68%
10/09/19	1	307	0.0082%	2.52%	0.0055%	1.68%
10/10/19	1	308	0.0082%	2.53%	0.0055%	1.69%
10/11/19	1	309	0.0082%	2.54%	0.0055%	1.69%
10/12/19	1	310	0.0082%	2.55%	0.0055%	1.70%
10/13/19	1	311	0.0082%	2.56%	0.0055%	1.70%
10/14/19	1	312	0.0082%	2.56%	0.0055%	1.71%
10/15/19	1	313	0.0082%	2.57%	0.0055%	1.72%
10/16/19	1	314	0.0082%	2.58%	0.0055%	1.72%
10/17/19	1	315	0.0082%	2.59%	0.0055%	1.73%
10/18/19	1	316	0.0082%	2.60%	0.0055%	1.73%
10/19/19	1	317	0.0082%	2.61%	0.0055%	1.74%
10/20/19	1	318	0.0082%	2.61%	0.0055%	1.74%
10/21/19	1	319	0.0082%	2.62%	0.0055%	1.75%
10/22/19	1	320	0.0082%	2.63%	0.0055%	1.75%
10/23/19	1	321	0.0082%	2.64%	0.0055%	1.76%
10/24/19	1	322	0.0082%	2.65%	0.0055%	1.76%
10/25/19	1	323	0.0082%	2.65%	0.0055%	1.77%
10/26/19	1	324	0.0082%	2.66%	0.0055%	1.78%
10/27/19	1	325	0.0082%	2.67%	0.0055%	1.78%

10/28/19	1	326	0.0082%	2.68%	0.0055%	1.79%
10/29/19	1	327	0.0082%	2.69%	0.0055%	1.79%
10/30/19	1	328	0.0082%	2.70%	0.0055%	1.80%
10/31/19	1	329	0.0082%	2.70%	0.0055%	1.80%
11/01/19	1	330	0.0082%	2.71%	0.0055%	1.81%
11/02/19	1	331	0.0082%	2.72%	0.0055%	1.81%
11/03/19	1	332	0.0082%	2.73%	0.0055%	1.82%
11/04/19	1	333	0.0082%	2.74%	0.0055%	1.82%
11/05/19	1	334	0.0082%	2.75%	0.0055%	1.83%
11/06/19	1	335	0.0082%	2.75%	0.0055%	1.84%
11/07/19	1	336	0.0082%	2.76%	0.0055%	1.84%
11/08/19	1	337	0.0082%	2.77%	0.0055%	1.85%
11/09/19	1	338	0.0082%	2.78%	0.0055%	1.85%
11/10/19	1	339	0.0082%	2.79%	0.0055%	1.86%
11/11/19	1	340	0.0082%	2.79%	0.0055%	1.86%
11/12/19	1	341	0.0082%	2.80%	0.0055%	1.87%
11/13/19	1	342	0.0082%	2.81%	0.0055%	1.87%
11/14/19	1	343	0.0082%	2.82%	0.0055%	1.88%
11/15/19	1	344	0.0082%	2.83%	0.0055%	1.88%
11/16/19	1	345	0.0082%	2.84%	0.0055%	1.89%
11/17/19	1	346	0.0082%	2.84%	0.0055%	1.90%
11/18/19	1	347	0.0082%	2.85%	0.0055%	1.90%
11/19/19	1	348	0.0082%	2.86%	0.0055%	1.91%
11/20/19	1	349	0.0082%	2.87%	0.0055%	1.91%
11/21/19	1	350	0.0082%	2.88%	0.0055%	1.92%
11/22/19	1	351	0.0082%	2.88%	0.0055%	1.92%
11/23/19	1	352	0.0082%	2.89%	0.0055%	1.93%
11/24/19	1	353	0.0082%	2.90%	0.0055%	1.93%
11/25/19	1	354	0.0082%	2.91%	0.0055%	1.94%
11/26/19	1	355	0.0082%	2.92%	0.0055%	1.95%
11/27/19	1	356	0.0082%	2.93%	0.0055%	1.95%
11/28/19	1	357	0.0082%	2.93%	0.0055%	1.96%
11/29/19	1	358	0.0082%	2.94%	0.0055%	1.96%
11/30/19	1	359	0.0082%	2.95%	0.0055%	1.97%
12/01/19	1	360	0.0082%	2.96%	0.0055%	1.97%
12/02/19	1	361	0.0082%	2.97%	0.0055%	1.98%
12/03/19	1	362	0.0082%	2.98%	0.0055%	1.98%
12/04/19	1	363	0.0082%	2.98%	0.0055%	1.99%
12/05/19	1	364	0.0082%	2.99%	0.0055%	1.99%
12/06/19	1	365	0.0082%	3.00%	0.0055%	2.00%
Check	1			3.00%		2.00%

12/07/19	2	1	0.0085%	3.01%	0.0056%	2.01%
12/08/19	2	2	0.0085%	3.02%	0.0056%	2.01%
12/09/19	2	3	0.0085%	3.03%	0.0056%	2.02%
12/10/19	2	4	0.0085%	3.03%	0.0056%	2.02%
12/11/19	2	5	0.0085%	3.04%	0.0056%	2.03%
12/12/19	2	6	0.0085%	3.05%	0.0056%	2.03%
12/13/19	2	7	0.0085%	3.06%	0.0056%	2.04%
12/14/19	2	8	0.0085%	3.07%	0.0056%	2.04%
12/15/19	2	9	0.0085%	3.08%	0.0056%	2.05%
12/16/19	2	10	0.0085%	3.08%	0.0056%	2.06%
12/17/19	2	11	0.0085%	3.09%	0.0056%	2.06%
12/18/19	2	12	0.0085%	3.10%	0.0056%	2.07%
12/19/19	2	13	0.0085%	3.11%	0.0056%	2.07%
12/20/19	2	14	0.0085%	3.12%	0.0056%	2.08%
12/21/19	2	15	0.0085%	3.13%	0.0056%	2.08%
12/22/19	2	16	0.0085%	3.14%	0.0056%	2.09%
12/23/19	2	17	0.0085%	3.14%	0.0056%	2.10%
12/24/19	2	18	0.0085%	3.15%	0.0056%	2.10%
12/25/19	2	19	0.0085%	3.16%	0.0056%	2.11%
12/26/19	2	20	0.0085%	3.17%	0.0056%	2.11%
12/27/19	2	21	0.0085%	3.18%	0.0056%	2.12%
12/28/19	2	22	0.0085%	3.19%	0.0056%	2.12%
12/29/19	2	23	0.0085%	3.19%	0.0056%	2.13%
12/30/19	2	24	0.0085%	3.20%	0.0056%	2.13%
12/31/19	2	25	0.0085%	3.21%	0.0056%	2.14%
01/01/20	2	26	0.0085%	3.22%	0.0056%	2.15%
01/02/20	2	27	0.0085%	3.23%	0.0056%	2.15%
01/03/20	2	28	0.0085%	3.24%	0.0056%	2.16%
01/04/20	2	29	0.0085%	3.25%	0.0056%	2.16%
01/05/20	2	30	0.0085%	3.25%	0.0056%	2.17%
01/06/20	2	31	0.0085%	3.26%	0.0056%	2.17%
01/07/20	2	32	0.0085%	3.27%	0.0056%	2.18%
01/08/20	2	33	0.0085%	3.28%	0.0056%	2.18%
01/09/20	2	34	0.0085%	3.29%	0.0056%	2.19%
01/10/20	2	35	0.0085%	3.30%	0.0056%	2.20%
01/11/20	2	36	0.0085%	3.30%	0.0056%	2.20%
01/12/20	2	37	0.0085%	3.31%	0.0056%	2.21%
01/13/20	2	38	0.0085%	3.32%	0.0056%	2.21%
01/14/20	2	39	0.0085%	3.33%	0.0056%	2.22%
01/15/20	2	40	0.0085%	3.34%	0.0056%	2.22%
01/16/20	2	41	0.0085%	3.35%	0.0056%	2.23%
01/17/20	2	42	0.0085%	3.36%	0.0056%	2.23%
01/18/20	2	43	0.0085%	3.36%	0.0056%	2.24%
01/19/20	2	44	0.0085%	3.37%	0.0056%	2.25%
01/20/20	2	45	0.0085%	3.38%	0.0056%	2.25%
01/21/20	2	46	0.0085%	3.39%	0.0056%	2.26%
01/22/20	2	47	0.0085%	3.40%	0.0056%	2.26%
01/23/20	2	48	0.0085%	3.41%	0.0056%	2.27%
01/24/20	2	49	0.0085%	3.41%	0.0056%	2.27%
01/25/20	2	50	0.0085%	3.42%	0.0056%	2.28%
01/26/20	2	51	0.0085%	3.43%	0.0056%	2.29%
01/27/20	2	52	0.0085%	3.44%	0.0056%	2.29%
01/28/20	2	53	0.0085%	3.45%	0.0056%	2.30%
01/29/20	2	54	0.0085%	3.46%	0.0056%	2.30%
01/30/20	2	55	0.0085%	3.47%	0.0056%	2.31%
01/31/20	2	56	0.0085%	3.47%	0.0056%	2.31%
02/01/20	2	57	0.0085%	3.48%	0.0056%	2.32%
02/02/20	2	58	0.0085%	3.49%	0.0056%	2.32%
02/03/20	2	59	0.0085%	3.50%	0.0056%	2.33%
02/04/20	2	60	0.0085%	3.51%	0.0056%	2.34%
02/05/20	2	61	0.0085%	3.52%	0.0056%	2.34%
02/06/20	2	62	0.0085%	3.52%	0.0056%	2.35%
02/07/20	2	63	0.0085%	3.53%	0.0056%	2.35%
02/08/20	2	64	0.0085%	3.54%	0.0056%	2.36%
02/09/20	2	65	0.0085%	3.55%	0.0056%	2.36%
02/10/20	2	66	0.0085%	3.56%	0.0056%	2.37%
02/11/20	2	67	0.0085%	3.57%	0.0056%	2.37%

02/12/20	2	68	0.0085%	3.58%	0.0056%	2.38%
02/13/20	2	69	0.0085%	3.58%	0.0056%	2.39%
02/14/20	2	70	0.0085%	3.59%	0.0056%	2.39%
02/15/20	2	71	0.0085%	3.60%	0.0056%	2.40%
02/16/20	2	72	0.0085%	3.61%	0.0056%	2.40%
02/17/20	2	73	0.0085%	3.62%	0.0056%	2.41%
02/18/20	2	74	0.0085%	3.63%	0.0056%	2.41%
02/19/20	2	75	0.0085%	3.63%	0.0056%	2.42%
02/20/20	2	76	0.0085%	3.64%	0.0056%	2.42%
02/21/20	2	77	0.0085%	3.65%	0.0056%	2.43%
02/22/20	2	78	0.0085%	3.66%	0.0056%	2.44%
02/23/20	2	79	0.0085%	3.67%	0.0056%	2.44%
02/24/20	2	80	0.0085%	3.68%	0.0056%	2.45%
02/25/20	2	81	0.0085%	3.69%	0.0056%	2.45%
02/26/20	2	82	0.0085%	3.69%	0.0056%	2.46%
02/27/20	2	83	0.0085%	3.70%	0.0056%	2.46%
02/28/20	2	84	0.0085%	3.71%	0.0056%	2.47%
02/29/20	2	85	0.0085%	3.72%	0.0056%	2.48%
03/01/20	2	86	0.0085%	3.73%	0.0056%	2.48%
03/02/20	2	87	0.0085%	3.74%	0.0056%	2.49%
03/03/20	2	88	0.0085%	3.74%	0.0056%	2.49%
03/04/20	2	89	0.0085%	3.75%	0.0056%	2.50%
03/05/20	2	90	0.0085%	3.76%	0.0056%	2.50%
03/06/20	2	91	0.0085%	3.77%	0.0056%	2.51%
03/07/20	2	92	0.0085%	3.78%	0.0056%	2.51%
03/08/20	2	93	0.0085%	3.79%	0.0056%	2.52%
03/09/20	2	94	0.0085%	3.80%	0.0056%	2.53%
03/10/20	2	95	0.0085%	3.80%	0.0056%	2.53%
03/11/20	2	96	0.0085%	3.81%	0.0056%	2.54%
03/12/20	2	97	0.0085%	3.82%	0.0056%	2.54%
03/13/20	2	98	0.0085%	3.83%	0.0056%	2.55%
03/14/20	2	99	0.0085%	3.84%	0.0056%	2.55%
03/15/20	2	100	0.0085%	3.85%	0.0056%	2.56%
03/16/20	2	101	0.0085%	3.86%	0.0056%	2.56%
03/17/20	2	102	0.0085%	3.86%	0.0056%	2.57%
03/18/20	2	103	0.0085%	3.87%	0.0056%	2.58%
03/19/20	2	104	0.0085%	3.88%	0.0056%	2.58%
03/20/20	2	105	0.0085%	3.89%	0.0056%	2.59%
03/21/20	2	106	0.0085%	3.90%	0.0056%	2.59%
03/22/20	2	107	0.0085%	3.91%	0.0056%	2.60%
03/23/20	2	108	0.0085%	3.91%	0.0056%	2.60%
03/24/20	2	109	0.0085%	3.92%	0.0056%	2.61%
03/25/20	2	110	0.0085%	3.93%	0.0056%	2.61%
03/26/20	2	111	0.0085%	3.94%	0.0056%	2.62%
03/27/20	2	112	0.0085%	3.95%	0.0056%	2.63%
03/28/20	2	113	0.0085%	3.96%	0.0056%	2.63%
03/29/20	2	114	0.0085%	3.97%	0.0056%	2.64%
03/30/20	2	115	0.0085%	3.97%	0.0056%	2.64%
03/31/20	2	116	0.0085%	3.98%	0.0056%	2.65%
04/01/20	2	117	0.0085%	3.99%	0.0056%	2.65%
04/02/20	2	118	0.0085%	4.00%	0.0056%	2.66%
04/03/20	2	119	0.0085%	4.01%	0.0056%	2.67%
04/04/20	2	120	0.0085%	4.02%	0.0056%	2.67%
04/05/20	2	121	0.0085%	4.02%	0.0056%	2.68%
04/06/20	2	122	0.0085%	4.03%	0.0056%	2.68%
04/07/20	2	123	0.0085%	4.04%	0.0056%	2.69%
04/08/20	2	124	0.0085%	4.05%	0.0056%	2.69%
04/09/20	2	125	0.0085%	4.06%	0.0056%	2.70%
04/10/20	2	126	0.0085%	4.07%	0.0056%	2.70%
04/11/20	2	127	0.0085%	4.08%	0.0056%	2.71%
04/12/20	2	128	0.0085%	4.08%	0.0056%	2.72%
04/13/20	2	129	0.0085%	4.09%	0.0056%	2.72%
04/14/20	2	130	0.0085%	4.10%	0.0056%	2.73%
04/15/20	2	131	0.0085%	4.11%	0.0056%	2.73%
04/16/20	2	132	0.0085%	4.12%	0.0056%	2.74%
04/17/20	2	133	0.0085%	4.13%	0.0056%	2.74%
04/18/20	2	134	0.0085%	4.13%	0.0056%	2.75%
04/19/20	2	135	0.0085%	4.14%	0.0056%	2.75%
04/20/20	2	136	0.0085%	4.15%	0.0056%	2.76%
04/21/20	2	137	0.0085%	4.16%	0.0056%	2.77%
04/22/20	2	138	0.0085%	4.17%	0.0056%	2.77%
04/23/20	2	139	0.0085%	4.18%	0.0056%	2.78%
04/24/20	2	140	0.0085%	4.19%	0.0056%	2.78%
04/25/20	2	141	0.0085%	4.19%	0.0056%	2.79%
04/26/20	2	142	0.0085%	4.20%	0.0056%	2.79%
04/27/20	2	143	0.0085%	4.21%	0.0056%	2.80%
04/28/20	2	144	0.0085%	4.22%	0.0056%	2.80%
04/29/20	2	145	0.0085%	4.23%	0.0056%	2.81%
04/30/20	2	146	0.0085%	4.24%	0.0056%	2.82%
05/01/20	2	147	0.0085%	4.24%	0.0056%	2.82%
05/02/20	2	148	0.0085%	4.25%	0.0056%	2.83%
05/03/20	2	149	0.0085%	4.26%	0.0056%	2.83%
05/04/20	2	150	0.0085%	4.27%	0.0056%	2.84%
05/05/20	2	151	0.0085%	4.28%	0.0056%	2.84%
05/06/20	2	152	0.0085%	4.29%	0.0056%	2.85%
05/07/20	2	153	0.0085%	4.30%	0.0056%	2.86%
05/08/20	2	154	0.0085%	4.30%	0.0056%	2.86%
05/09/20	2	155	0.0085%	4.31%	0.0056%	2.87%
05/10/20	2	156	0.0085%	4.32%	0.0056%	2.87%
05/11/20	2	157	0.0085%	4.33%	0.0056%	2.88%
05/12/20	2	158	0.0085%	4.34%	0.0056%	2.88%
05/13/20	2	159	0.0085%	4.35%	0.0056%	2.89%
05/14/20	2	160	0.0085%	4.35%	0.0056%	2.89%
05/15/20	2	161	0.0085%	4.36%	0.0056%	2.90%
05/16/20	2	162	0.0085%	4.37%	0.0056%	2.91%
05/17/20	2	163	0.0085%	4.38%	0.0056%	2.91%
05/18/20	2	164	0.0085%	4.39%	0.0056%	2.92%
05/19/20	2	165	0.0085%	4.40%	0.0056%	2.92%
05/20/20	2	166	0.0085%	4.41%	0.0056%	2.93%
05/21/20	2	167	0.0085%	4.41%	0.0056%	2.93%
05/22/20	2	168	0.0085%	4.42%	0.0056%	2.94%
05/23/20	2	169	0.0085%	4.43%	0.0056%	2.94%
05/24/20	2	170	0.0085%	4.44%	0.0056%	2.95%
05/25/20	2	171	0.0085%	4.45%	0.0056%	2.96%
05/26/20	2	172	0.0085%	4.46%	0.0056%	2.96%
05/27/20	2	173	0.0085%	4.46%	0.0056%	2.97%
05/28/20	2	174	0.0085%	4.47%	0.0056%	2.97%
05/29/20	2	175	0.0085%	4.48%	0.0056%	2.98%
05/30/20	2	176	0.0085%	4.49%	0.0056%	2.98%

05/31/20	2	177	0.0085%	4.50%	0.0056%	2.99%
06/01/20	2	178	0.0085%	4.51%	0.0056%	2.99%
06/02/20	2	179	0.0085%	4.52%	0.0056%	3.00%
06/03/20	2	180	0.0085%	4.52%	0.0056%	3.01%
06/04/20	2	181	0.0085%	4.53%	0.0056%	3.01%
06/05/20	2	182	0.0085%	4.54%	0.0056%	3.02%
06/06/20	2	183	0.0085%	4.55%	0.0056%	3.02%
06/07/20	2	184	0.0085%	4.56%	0.0056%	3.03%
06/08/20	2	185	0.0085%	4.57%	0.0056%	3.03%
06/09/20	2	186	0.0085%	4.57%	0.0056%	3.04%
06/10/20	2	187	0.0085%	4.58%	0.0056%	3.05%
06/11/20	2	188	0.0085%	4.59%	0.0056%	3.05%
06/12/20	2	189	0.0085%	4.60%	0.0056%	3.06%
06/13/20	2	190	0.0085%	4.61%	0.0056%	3.06%
06/14/20	2	191	0.0085%	4.62%	0.0056%	3.07%
06/15/20	2	192	0.0085%	4.63%	0.0056%	3.07%
06/16/20	2	193	0.0085%	4.63%	0.0056%	3.08%
06/17/20	2	194	0.0085%	4.64%	0.0056%	3.08%
06/18/20	2	195	0.0085%	4.65%	0.0056%	3.09%
06/19/20	2	196	0.0085%	4.66%	0.0056%	3.10%
06/20/20	2	197	0.0085%	4.67%	0.0056%	3.10%
06/21/20	2	198	0.0085%	4.68%	0.0056%	3.11%
06/22/20	2	199	0.0085%	4.68%	0.0056%	3.11%
06/23/20	2	200	0.0085%	4.69%	0.0056%	3.12%
06/24/20	2	201	0.0085%	4.70%	0.0056%	3.12%
06/25/20	2	202	0.0085%	4.71%	0.0056%	3.13%
06/26/20	2	203	0.0085%	4.72%	0.0056%	3.13%
06/27/20	2	204	0.0085%	4.73%	0.0056%	3.14%
06/28/20	2	205	0.0085%	4.74%	0.0056%	3.15%
06/29/20	2	206	0.0085%	4.74%	0.0056%	3.15%
06/30/20	2	207	0.0085%	4.75%	0.0056%	3.16%
07/01/20	2	208	0.0085%	4.76%	0.0056%	3.16%
07/02/20	2	209	0.0085%	4.77%	0.0056%	3.17%
07/03/20	2	210	0.0085%	4.78%	0.0056%	3.17%
07/04/20	2	211	0.0085%	4.79%	0.0056%	3.18%
07/05/20	2	212	0.0085%	4.79%	0.0056%	3.18%
07/06/20	2	213	0.0085%	4.80%	0.0056%	3.19%
07/07/20	2	214	0.0085%	4.81%	0.0056%	3.20%
07/08/20	2	215	0.0085%	4.82%	0.0056%	3.20%
07/09/20	2	216	0.0085%	4.83%	0.0056%	3.21%
07/10/20	2	217	0.0085%	4.84%	0.0056%	3.21%
07/11/20	2	218	0.0085%	4.85%	0.0056%	3.22%
07/12/20	2	219	0.0085%	4.85%	0.0056%	3.22%
07/13/20	2	220	0.0085%	4.86%	0.0056%	3.23%
07/14/20	2	221	0.0085%	4.87%	0.0056%	3.24%
07/15/20	2	222	0.0085%	4.88%	0.0056%	3.24%
07/16/20	2	223	0.0085%	4.89%	0.0056%	3.25%
07/17/20	2	224	0.0085%	4.90%	0.0056%	3.25%
07/18/20	2	225	0.0085%	4.90%	0.0056%	3.26%
07/19/20	2	226	0.0085%	4.91%	0.0056%	3.26%
07/20/20	2	227	0.0085%	4.92%	0.0056%	3.27%
07/21/20	2	228	0.0085%	4.93%	0.0056%	3.27%
07/22/20	2	229	0.0085%	4.94%	0.0056%	3.28%
07/23/20	2	230	0.0085%	4.95%	0.0056%	3.29%
07/24/20	2	231	0.0085%	4.96%	0.0056%	3.29%
07/25/20	2	232	0.0085%	4.96%	0.0056%	3.30%
07/26/20	2	233	0.0085%	4.97%	0.0056%	3.30%
07/27/20	2	234	0.0085%	4.98%	0.0056%	3.31%
07/28/20	2	235	0.0085%	4.99%	0.0056%	3.31%
07/29/20	2	236	0.0085%	5.00%	0.0056%	3.32%
07/30/20	2	237	0.0085%	5.01%	0.0056%	3.32%
07/31/20	2	238	0.0085%	5.01%	0.0056%	3.33%
08/01/20	2	239	0.0085%	5.02%	0.0056%	3.34%
08/02/20	2	240	0.0085%	5.03%	0.0056%	3.34%
08/03/20	2	241	0.0085%	5.04%	0.0056%	3.35%
08/04/20	2	242	0.0085%	5.05%	0.0056%	3.35%
08/05/20	2	243	0.0085%	5.06%	0.0056%	3.36%
08/06/20	2	244	0.0085%	5.07%	0.0056%	3.36%
08/07/20	2	245	0.0085%	5.07%	0.0056%	3.37%
08/08/20	2	246	0.0085%	5.08%	0.0056%	3.37%
08/09/20	2	247	0.0085%	5.09%	0.0056%	3.38%
08/10/20	2	248	0.0085%	5.10%	0.0056%	3.39%
08/11/20	2	249	0.0085%	5.11%	0.0056%	3.39%
08/12/20	2	250	0.0085%	5.12%	0.0056%	3.40%
08/13/20	2	251	0.0085%	5.12%	0.0056%	3.40%
08/14/20	2	252	0.0085%	5.13%	0.0056%	3.41%
08/15/20	2	253	0.0085%	5.14%	0.0056%	3.41%
08/16/20	2	254	0.0085%	5.15%	0.0056%	3.42%
08/17/20	2	255	0.0085%	5.16%	0.0056%	3.43%
08/18/20	2	256	0.0085%	5.17%	0.0056%	3.43%
08/19/20	2	257	0.0085%	5.18%	0.0056%	3.44%
08/20/20	2	258	0.0085%	5.18%	0.0056%	3.44%
08/21/20	2	259	0.0085%	5.19%	0.0056%	3.45%
08/22/20	2	260	0.0085%	5.20%	0.0056%	3.45%
08/23/20	2	261	0.0085%	5.21%	0.0056%	3.46%
08/24/20	2	262	0.0085%	5.22%	0.0056%	3.46%
08/25/20	2	263	0.0085%	5.23%	0.0056%	3.47%
08/26/20	2	264	0.0085%	5.23%	0.0056%	3.48%
08/27/20	2	265	0.0085%	5.24%	0.0056%	3.48%
08/28/20	2	266	0.0085%	5.25%	0.0056%	3.49%
08/29/20	2	267	0.0085%	5.26%	0.0056%	3.49%
08/30/20	2	268	0.0085%	5.27%	0.0056%	3.50%
08/31/20	2	269	0.0085%	5.28%	0.0056%	3.50%
09/01/20	2	270	0.0085%	5.29%	0.0056%	3.51%
09/02/20	2	271	0.0085%	5.29%	0.0056%	3.51%
09/03/20	2	272	0.0085%	5.30%	0.0056%	3.52%
09/04/20	2	273	0.0085%	5.31%	0.0056%	3.53%
09/05/20	2	274	0.0085%	5.32%	0.0056%	3.53%
09/06/20	2	275	0.0085%	5.33%	0.0056%	3.54%
09/07/20	2	276	0.0085%	5.34%	0.0056%	3.54%
09/08/20	2	277	0.0085%	5.35%	0.0056%	3.55%
09/09/20	2	278	0.0085%	5.35%	0.0056%	3.55%
09/10/20	2	279	0.0085%	5.36%	0.0056%	3.56%
09/11/20	2	280	0.0085%	5.37%	0.0056%	3.56%
09/12/20	2	281	0.0085%	5.38%	0.0056%	3.57%
09/13/20	2	282	0.0085%	5.39%	0.0056%	3.58%
09/14/20	2	283	0.0085%	5.40%	0.0056%	3.58%
09/15/20	2	284	0.0085%	5.40%	0.0056%	3.59%
09/16/20	2	285	0.0085%	5.41%	0.0056%	3.59%

09/17/20	2	286	0.0085%	5.42%	0.0056%	3.60%
09/18/20	2	287	0.0085%	5.43%	0.0056%	3.60%
09/19/20	2	288	0.0085%	5.44%	0.0056%	3.61%
09/20/20	2	289	0.0085%	5.45%	0.0056%	3.62%
09/21/20	2	290	0.0085%	5.46%	0.0056%	3.62%
09/22/20	2	291	0.0085%	5.46%	0.0056%	3.63%
09/23/20	2	292	0.0085%	5.47%	0.0056%	3.63%
09/24/20	2	293	0.0085%	5.48%	0.0056%	3.64%
09/25/20	2	294	0.0085%	5.49%	0.0056%	3.64%
09/26/20	2	295	0.0085%	5.50%	0.0056%	3.65%
09/27/20	2	296	0.0085%	5.51%	0.0056%	3.65%
09/28/20	2	297	0.0085%	5.51%	0.0056%	3.66%
09/29/20	2	298	0.0085%	5.52%	0.0056%	3.67%
09/30/20	2	299	0.0085%	5.53%	0.0056%	3.67%
10/01/20	2	300	0.0085%	5.54%	0.0056%	3.68%
10/02/20	2	301	0.0085%	5.55%	0.0056%	3.68%
10/03/20	2	302	0.0085%	5.56%	0.0056%	3.69%
10/04/20	2	303	0.0085%	5.57%	0.0056%	3.69%
10/05/20	2	304	0.0085%	5.57%	0.0056%	3.70%
10/06/20	2	305	0.0085%	5.58%	0.0056%	3.70%
10/07/20	2	306	0.0085%	5.59%	0.0056%	3.71%
10/08/20	2	307	0.0085%	5.60%	0.0056%	3.72%
10/09/20	2	308	0.0085%	5.61%	0.0056%	3.72%
10/10/20	2	309	0.0085%	5.62%	0.0056%	3.73%
10/11/20	2	310	0.0085%	5.62%	0.0056%	3.73%
10/12/20	2	311	0.0085%	5.63%	0.0056%	3.74%
10/13/20	2	312	0.0085%	5.64%	0.0056%	3.74%
10/14/20	2	313	0.0085%	5.65%	0.0056%	3.75%
10/15/20	2	314	0.0085%	5.66%	0.0056%	3.75%
10/16/20	2	315	0.0085%	5.67%	0.0056%	3.76%
10/17/20	2	316	0.0085%	5.68%	0.0056%	3.77%
10/18/20	2	317	0.0085%	5.68%	0.0056%	3.77%
10/19/20	2	318	0.0085%	5.69%	0.0056%	3.78%
10/20/20	2	319	0.0085%	5.70%	0.0056%	3.78%
10/21/20	2	320	0.0085%	5.71%	0.0056%	3.79%
10/22/20	2	321	0.0085%	5.72%	0.0056%	3.79%
10/23/20	2	322	0.0085%	5.73%	0.0056%	3.80%
10/24/20	2	323	0.0085%	5.73%	0.0056%	3.81%
10/25/20	2	324	0.0085%	5.74%	0.0056%	3.81%
10/26/20	2	325	0.0085%	5.75%	0.0056%	3.82%
10/27/20	2	326	0.0085%	5.76%	0.0056%	3.82%
10/28/20	2	327	0.0085%	5.77%	0.0056%	3.83%
10/29/20	2	328	0.0085%	5.78%	0.0056%	3.83%
10/30/20	2	329	0.0085%	5.79%	0.0056%	3.84%
10/31/20	2	330	0.0085%	5.79%	0.0056%	3.84%
11/01/20	2	331	0.0085%	5.80%	0.0056%	3.85%
11/02/20	2	332	0.0085%	5.81%	0.0056%	3.86%
11/03/20	2	333	0.0085%	5.82%	0.0056%	3.86%
11/04/20	2	334	0.0085%	5.83%	0.0056%	3.87%
11/05/20	2	335	0.0085%	5.84%	0.0056%	3.87%
11/06/20	2	336	0.0085%	5.84%	0.0056%	3.88%
11/07/20	2	337	0.0085%	5.85%	0.0056%	3.88%
11/08/20	2	338	0.0085%	5.86%	0.0056%	3.89%
11/09/20	2	339	0.0085%	5.87%	0.0056%	3.89%
11/10/20	2	340	0.0085%	5.88%	0.0056%	3.90%
11/11/20	2	341	0.0085%	5.89%	0.0056%	3.91%
11/12/20	2	342	0.0085%	5.90%	0.0056%	3.91%
11/13/20	2	343	0.0085%	5.90%	0.0056%	3.92%
11/14/20	2	344	0.0085%	5.91%	0.0056%	3.92%
11/15/20	2	345	0.0085%	5.92%	0.0056%	3.93%
11/16/20	2	346	0.0085%	5.93%	0.0056%	3.93%
11/17/20	2	347	0.0085%	5.94%	0.0056%	3.94%
11/18/20	2	348	0.0085%	5.95%	0.0056%	3.94%
11/19/20	2	349	0.0085%	5.95%	0.0056%	3.95%
11/20/20	2	350	0.0085%	5.96%	0.0056%	3.96%
11/21/20	2	351	0.0085%	5.97%	0.0056%	3.96%
11/22/20	2	352	0.0085%	5.98%	0.0056%	3.97%
11/23/20	2	353	0.0085%	5.99%	0.0056%	3.97%
11/24/20	2	354	0.0085%	6.00%	0.0056%	3.98%
11/25/20	2	355	0.0085%	6.01%	0.0056%	3.98%
11/26/20	2	356	0.0085%	6.01%	0.0056%	3.99%
11/27/20	2	357	0.0085%	6.02%	0.0056%	4.00%
11/28/20	2	358	0.0085%	6.03%	0.0056%	4.00%
11/29/20	2	359	0.0085%	6.04%	0.0056%	4.01%
11/30/20	2	360	0.0085%	6.05%	0.0056%	4.01%
12/01/20	2	361	0.0085%	6.06%	0.0056%	4.02%
12/02/20	2	362	0.0085%	6.06%	0.0056%	4.02%
12/03/20	2	363	0.0085%	6.07%	0.0056%	4.03%
12/04/20	2	364	0.0085%	6.08%	0.0056%	4.03%
12/05/20	2	365	0.0085%	6.09%	0.0056%	4.04%
12/06/20	2	366	0.0085%	6.09%	0.0056%	4.04%
Check	2			6.09%		4.04%

12/07/20	3	1	0.0087%	6.10%	0.0057%	4.05%
12/08/20	3	2	0.0087%	6.11%	0.0057%	4.05%
12/09/20	3	3	0.0087%	6.12%	0.0057%	4.06%
12/10/20	3	4	0.0087%	6.12%	0.0057%	4.06%
12/11/20	3	5	0.0087%	6.13%	0.0057%	4.07%
12/12/20	3	6	0.0087%	6.14%	0.0057%	4.07%
12/13/20	3	7	0.0087%	6.15%	0.0057%	4.08%
12/14/20	3	8	0.0087%	6.16%	0.0057%	4.09%
12/15/20	3	9	0.0087%	6.17%	0.0057%	4.09%
12/16/20	3	10	0.0087%	6.18%	0.0057%	4.10%
12/17/20	3	11	0.0087%	6.19%	0.0057%	4.10%
12/18/20	3	12	0.0087%	6.19%	0.0057%	4.11%
12/19/20	3	13	0.0087%	6.20%	0.0057%	4.11%
12/20/20	3	14	0.0087%	6.21%	0.0057%	4.12%
12/21/20	3	15	0.0087%	6.22%	0.0057%	4.13%
12/22/20	3	16	0.0087%	6.23%	0.0057%	4.13%
12/23/20	3	17	0.0087%	6.24%	0.0057%	4.14%
12/24/20	3	18	0.0087%	6.25%	0.0057%	4.14%
12/25/20	3	19	0.0087%	6.26%	0.0057%	4.15%
12/26/20	3	20	0.0087%	6.26%	0.0057%	4.15%
12/27/20	3	21	0.0087%	6.27%	0.0057%	4.16%
12/28/20	3	22	0.0087%	6.28%	0.0057%	4.17%
12/29/20	3	23	0.0087%	6.29%	0.0057%	4.17%
12/30/20	3	24	0.0087%	6.30%	0.0057%	4.18%
12/31/20	3	25	0.0087%	6.31%	0.0057%	4.18%
01/01/21	3	26	0.0087%	6.32%	0.0057%	4.19%

01/02/21	3	27	0.0087%	6.33%	0.0057%	4.19%
01/03/21	3	28	0.0087%	6.33%	0.0057%	4.20%
01/04/21	3	29	0.0087%	6.34%	0.0057%	4.21%
01/05/21	3	30	0.0087%	6.35%	0.0057%	4.21%
01/06/21	3	31	0.0087%	6.36%	0.0057%	4.22%
01/07/21	3	32	0.0087%	6.37%	0.0057%	4.22%
01/08/21	3	33	0.0087%	6.38%	0.0057%	4.23%
01/09/21	3	34	0.0087%	6.39%	0.0057%	4.23%
01/10/21	3	35	0.0087%	6.40%	0.0057%	4.24%
01/11/21	3	36	0.0087%	6.40%	0.0057%	4.25%
01/12/21	3	37	0.0087%	6.41%	0.0057%	4.25%
01/13/21	3	38	0.0087%	6.42%	0.0057%	4.26%
01/14/21	3	39	0.0087%	6.43%	0.0057%	4.26%
01/15/21	3	40	0.0087%	6.44%	0.0057%	4.27%
01/16/21	3	41	0.0087%	6.45%	0.0057%	4.27%
01/17/21	3	42	0.0087%	6.46%	0.0057%	4.28%
01/18/21	3	43	0.0087%	6.46%	0.0057%	4.29%
01/19/21	3	44	0.0087%	6.47%	0.0057%	4.29%
01/20/21	3	45	0.0087%	6.48%	0.0057%	4.30%
01/21/21	3	46	0.0087%	6.49%	0.0057%	4.30%
01/22/21	3	47	0.0087%	6.50%	0.0057%	4.31%
01/23/21	3	48	0.0087%	6.51%	0.0057%	4.31%
01/24/21	3	49	0.0087%	6.52%	0.0057%	4.32%
01/25/21	3	50	0.0087%	6.53%	0.0057%	4.33%
01/26/21	3	51	0.0087%	6.53%	0.0057%	4.33%
01/27/21	3	52	0.0087%	6.54%	0.0057%	4.34%
01/28/21	3	53	0.0087%	6.55%	0.0057%	4.34%
01/29/21	3	54	0.0087%	6.56%	0.0057%	4.35%
01/30/21	3	55	0.0087%	6.57%	0.0057%	4.35%
01/31/21	3	56	0.0087%	6.58%	0.0057%	4.36%
02/01/21	3	57	0.0087%	6.59%	0.0057%	4.36%
02/02/21	3	58	0.0087%	6.60%	0.0057%	4.37%
02/03/21	3	59	0.0087%	6.60%	0.0057%	4.38%
02/04/21	3	60	0.0087%	6.61%	0.0057%	4.38%
02/05/21	3	61	0.0087%	6.62%	0.0057%	4.39%
02/06/21	3	62	0.0087%	6.63%	0.0057%	4.39%
02/07/21	3	63	0.0087%	6.64%	0.0057%	4.40%
02/08/21	3	64	0.0087%	6.65%	0.0057%	4.40%
02/09/21	3	65	0.0087%	6.66%	0.0057%	4.41%
02/10/21	3	66	0.0087%	6.67%	0.0057%	4.42%
02/11/21	3	67	0.0087%	6.67%	0.0057%	4.42%
02/12/21	3	68	0.0087%	6.68%	0.0057%	4.43%
02/13/21	3	69	0.0087%	6.69%	0.0057%	4.43%
02/14/21	3	70	0.0087%	6.70%	0.0057%	4.44%
02/15/21	3	71	0.0087%	6.71%	0.0057%	4.44%
02/16/21	3	72	0.0087%	6.72%	0.0057%	4.45%
02/17/21	3	73	0.0087%	6.73%	0.0057%	4.46%
02/18/21	3	74	0.0087%	6.74%	0.0057%	4.46%
02/19/21	3	75	0.0087%	6.74%	0.0057%	4.47%
02/20/21	3	76	0.0087%	6.75%	0.0057%	4.47%
02/21/21	3	77	0.0087%	6.76%	0.0057%	4.48%
02/22/21	3	78	0.0087%	6.77%	0.0057%	4.48%
02/23/21	3	79	0.0087%	6.78%	0.0057%	4.49%
02/24/21	3	80	0.0087%	6.79%	0.0057%	4.50%
02/25/21	3	81	0.0087%	6.80%	0.0057%	4.50%
02/26/21	3	82	0.0087%	6.81%	0.0057%	4.51%
02/27/21	3	83	0.0087%	6.81%	0.0057%	4.51%
02/28/21	3	84	0.0087%	6.82%	0.0057%	4.52%
03/01/21	3	85	0.0087%	6.83%	0.0057%	4.52%
03/02/21	3	86	0.0087%	6.84%	0.0057%	4.53%
03/03/21	3	87	0.0087%	6.85%	0.0057%	4.54%
03/04/21	3	88	0.0087%	6.86%	0.0057%	4.54%
03/05/21	3	89	0.0087%	6.87%	0.0057%	4.55%
03/06/21	3	90	0.0087%	6.87%	0.0057%	4.55%
03/07/21	3	91	0.0087%	6.88%	0.0057%	4.56%
03/08/21	3	92	0.0087%	6.89%	0.0057%	4.56%
03/09/21	3	93	0.0087%	6.90%	0.0057%	4.57%
03/10/21	3	94	0.0087%	6.91%	0.0057%	4.58%
03/11/21	3	95	0.0087%	6.92%	0.0057%	4.58%
03/12/21	3	96	0.0087%	6.93%	0.0057%	4.59%
03/13/21	3	97	0.0087%	6.94%	0.0057%	4.59%
03/14/21	3	98	0.0087%	6.94%	0.0057%	4.60%
03/15/21	3	99	0.0087%	6.95%	0.0057%	4.60%
03/16/21	3	100	0.0087%	6.96%	0.0057%	4.61%
03/17/21	3	101	0.0087%	6.97%	0.0057%	4.62%
03/18/21	3	102	0.0087%	6.98%	0.0057%	4.62%
03/19/21	3	103	0.0087%	6.99%	0.0057%	4.63%
03/20/21	3	104	0.0087%	7.00%	0.0057%	4.63%
03/21/21	3	105	0.0087%	7.01%	0.0057%	4.64%
03/22/21	3	106	0.0087%	7.01%	0.0057%	4.64%
03/23/21	3	107	0.0087%	7.02%	0.0057%	4.65%
03/24/21	3	108	0.0087%	7.03%	0.0057%	4.66%
03/25/21	3	109	0.0087%	7.04%	0.0057%	4.66%
03/26/21	3	110	0.0087%	7.05%	0.0057%	4.67%
03/27/21	3	111	0.0087%	7.06%	0.0057%	4.67%
03/28/21	3	112	0.0087%	7.07%	0.0057%	4.68%
03/29/21	3	113	0.0087%	7.08%	0.0057%	4.68%
03/30/21	3	114	0.0087%	7.08%	0.0057%	4.69%
03/31/21	3	115	0.0087%	7.09%	0.0057%	4.70%
04/01/21	3	116	0.0087%	7.10%	0.0057%	4.70%
04/02/21	3	117	0.0087%	7.11%	0.0057%	4.71%
04/03/21	3	118	0.0087%	7.12%	0.0057%	4.71%
04/04/21	3	119	0.0087%	7.13%	0.0057%	4.72%
04/05/21	3	120	0.0087%	7.14%	0.0057%	4.72%
04/06/21	3	121	0.0087%	7.15%	0.0057%	4.73%
04/07/21	3	122	0.0087%	7.15%	0.0057%	4.74%
04/08/21	3	123	0.0087%	7.16%	0.0057%	4.74%
04/09/21	3	124	0.0087%	7.17%	0.0057%	4.75%
04/10/21	3	125	0.0087%	7.18%	0.0057%	4.75%
04/11/21	3	126	0.0087%	7.19%	0.0057%	4.76%
04/12/21	3	127	0.0087%	7.20%	0.0057%	4.76%
04/13/21	3	128	0.0087%	7.21%	0.0057%	4.77%
04/14/21	3	129	0.0087%	7.21%	0.0057%	4.78%
04/15/21	3	130	0.0087%	7.22%	0.0057%	4.78%
04/16/21	3	131	0.0087%	7.23%	0.0057%	4.79%
04/17/21	3	132	0.0087%	7.24%	0.0057%	4.79%
04/18/21	3	133	0.0087%	7.25%	0.0057%	4.80%
04/19/21	3	134	0.0087%	7.26%	0.0057%	4.80%
04/20/21	3	135	0.0087%	7.27%	0.0057%	4.81%

04/21/21	3	136	0.0087%	7.28%	0.0057%	4.82%
04/22/21	3	137	0.0087%	7.28%	0.0057%	4.82%
04/23/21	3	138	0.0087%	7.29%	0.0057%	4.83%
04/24/21	3	139	0.0087%	7.30%	0.0057%	4.83%
04/25/21	3	140	0.0087%	7.31%	0.0057%	4.84%
04/26/21	3	141	0.0087%	7.32%	0.0057%	4.84%
04/27/21	3	142	0.0087%	7.33%	0.0057%	4.85%
04/28/21	3	143	0.0087%	7.34%	0.0057%	4.86%
04/29/21	3	144	0.0087%	7.35%	0.0057%	4.86%
04/30/21	3	145	0.0087%	7.35%	0.0057%	4.87%
05/01/21	3	146	0.0087%	7.36%	0.0057%	4.87%
05/02/21	3	147	0.0087%	7.37%	0.0057%	4.88%
05/03/21	3	148	0.0087%	7.38%	0.0057%	4.88%
05/04/21	3	149	0.0087%	7.39%	0.0057%	4.89%
05/05/21	3	150	0.0087%	7.40%	0.0057%	4.90%
05/06/21	3	151	0.0087%	7.41%	0.0057%	4.90%
05/07/21	3	152	0.0087%	7.42%	0.0057%	4.91%
05/08/21	3	153	0.0087%	7.42%	0.0057%	4.91%
05/09/21	3	154	0.0087%	7.43%	0.0057%	4.92%
05/10/21	3	155	0.0087%	7.44%	0.0057%	4.92%
05/11/21	3	156	0.0087%	7.45%	0.0057%	4.93%
05/12/21	3	157	0.0087%	7.46%	0.0057%	4.94%
05/13/21	3	158	0.0087%	7.47%	0.0057%	4.94%
05/14/21	3	159	0.0087%	7.48%	0.0057%	4.95%
05/15/21	3	160	0.0087%	7.49%	0.0057%	4.95%
05/16/21	3	161	0.0087%	7.49%	0.0057%	4.96%
05/17/21	3	162	0.0087%	7.50%	0.0057%	4.96%
05/18/21	3	163	0.0087%	7.51%	0.0057%	4.97%
05/19/21	3	164	0.0087%	7.52%	0.0057%	4.97%
05/20/21	3	165	0.0087%	7.53%	0.0057%	4.98%
05/21/21	3	166	0.0087%	7.54%	0.0057%	4.99%
05/22/21	3	167	0.0087%	7.55%	0.0057%	4.99%
05/23/21	3	168	0.0087%	7.55%	0.0057%	5.00%
05/24/21	3	169	0.0087%	7.56%	0.0057%	5.00%
05/25/21	3	170	0.0087%	7.57%	0.0057%	5.01%
05/26/21	3	171	0.0087%	7.58%	0.0057%	5.01%
05/27/21	3	172	0.0087%	7.59%	0.0057%	5.02%
05/28/21	3	173	0.0087%	7.60%	0.0057%	5.03%
05/29/21	3	174	0.0087%	7.61%	0.0057%	5.03%
05/30/21	3	175	0.0087%	7.62%	0.0057%	5.04%
05/31/21	3	176	0.0087%	7.62%	0.0057%	5.04%
06/01/21	3	177	0.0087%	7.63%	0.0057%	5.05%
06/02/21	3	178	0.0087%	7.64%	0.0057%	5.05%
06/03/21	3	179	0.0087%	7.65%	0.0057%	5.06%
06/04/21	3	180	0.0087%	7.66%	0.0057%	5.07%
06/05/21	3	181	0.0087%	7.67%	0.0057%	5.07%
06/06/21	3	182	0.0087%	7.68%	0.0057%	5.08%
06/07/21	3	183	0.0087%	7.69%	0.0057%	5.08%
06/08/21	3	184	0.0087%	7.69%	0.0057%	5.09%
06/09/21	3	185	0.0087%	7.70%	0.0057%	5.09%
06/10/21	3	186	0.0087%	7.71%	0.0057%	5.10%
06/11/21	3	187	0.0087%	7.72%	0.0057%	5.11%
06/12/21	3	188	0.0087%	7.73%	0.0057%	5.11%
06/13/21	3	189	0.0087%	7.74%	0.0057%	5.12%
06/14/21	3	190	0.0087%	7.75%	0.0057%	5.12%
06/15/21	3	191	0.0087%	7.76%	0.0057%	5.13%
06/16/21	3	192	0.0087%	7.76%	0.0057%	5.13%
06/17/21	3	193	0.0087%	7.77%	0.0057%	5.14%
06/18/21	3	194	0.0087%	7.78%	0.0057%	5.15%
06/19/21	3	195	0.0087%	7.79%	0.0057%	5.15%
06/20/21	3	196	0.0087%	7.80%	0.0057%	5.16%
06/21/21	3	197	0.0087%	7.81%	0.0057%	5.16%
06/22/21	3	198	0.0087%	7.82%	0.0057%	5.17%
06/23/21	3	199	0.0087%	7.83%	0.0057%	5.17%
06/24/21	3	200	0.0087%	7.83%	0.0057%	5.18%
06/25/21	3	201	0.0087%	7.84%	0.0057%	5.19%
06/26/21	3	202	0.0087%	7.85%	0.0057%	5.19%
06/27/21	3	203	0.0087%	7.86%	0.0057%	5.20%
06/28/21	3	204	0.0087%	7.87%	0.0057%	5.20%
06/29/21	3	205	0.0087%	7.88%	0.0057%	5.21%
06/30/21	3	206	0.0087%	7.89%	0.0057%	5.21%
07/01/21	3	207	0.0087%	7.89%	0.0057%	5.22%
07/02/21	3	208	0.0087%	7.90%	0.0057%	5.23%
07/03/21	3	209	0.0087%	7.91%	0.0057%	5.23%
07/04/21	3	210	0.0087%	7.92%	0.0057%	5.24%
07/05/21	3	211	0.0087%	7.93%	0.0057%	5.24%
07/06/21	3	212	0.0087%	7.94%	0.0057%	5.25%
07/07/21	3	213	0.0087%	7.95%	0.0057%	5.25%
07/08/21	3	214	0.0087%	7.96%	0.0057%	5.26%
07/09/21	3	215	0.0087%	7.96%	0.0057%	5.27%
07/10/21	3	216	0.0087%	7.97%	0.0057%	5.27%
07/11/21	3	217	0.0087%	7.98%	0.0057%	5.28%
07/12/21	3	218	0.0087%	7.99%	0.0057%	5.28%
07/13/21	3	219	0.0087%	8.00%	0.0057%	5.29%
07/14/21	3	220	0.0087%	8.01%	0.0057%	5.29%
07/15/21	3	221	0.0087%	8.02%	0.0057%	5.30%
07/16/21	3	222	0.0087%	8.03%	0.0057%	5.31%
07/17/21	3	223	0.0087%	8.03%	0.0057%	5.31%
07/18/21	3	224	0.0087%	8.04%	0.0057%	5.32%
07/19/21	3	225	0.0087%	8.05%	0.0057%	5.32%
07/20/21	3	226	0.0087%	8.06%	0.0057%	5.33%
07/21/21	3	227	0.0087%	8.07%	0.0057%	5.33%
07/22/21	3	228	0.0087%	8.08%	0.0057%	5.34%
07/23/21	3	229	0.0087%	8.09%	0.0057%	5.35%
07/24/21	3	230	0.0087%	8.10%	0.0057%	5.35%
07/25/21	3	231	0.0087%	8.10%	0.0057%	5.36%
07/26/21	3	232	0.0087%	8.11%	0.0057%	5.36%
07/27/21	3	233	0.0087%	8.12%	0.0057%	5.37%
07/28/21	3	234	0.0087%	8.13%	0.0057%	5.37%
07/29/21	3	235	0.0087%	8.14%	0.0057%	5.38%
07/30/21	3	236	0.0087%	8.15%	0.0057%	5.39%
07/31/21	3	237	0.0087%	8.16%	0.0057%	5.39%
08/01/21	3	238	0.0087%	8.17%	0.0057%	5.40%
08/02/21	3	239	0.0087%	8.17%	0.0057%	5.40%
08/03/21	3	240	0.0087%	8.18%	0.0057%	5.41%
08/04/21	3	241	0.0087%	8.19%	0.0057%	5.41%
08/05/21	3	242	0.0087%	8.20%	0.0057%	5.42%
08/06/21	3	243	0.0087%	8.21%	0.0057%	5.43%
08/07/21	3	244	0.0087%	8.22%	0.0057%	5.43%

08/08/21	3	245	0.0087%	8.23%	0.0057%	5.44%
08/09/21	3	246	0.0087%	8.24%	0.0057%	5.44%
08/10/21	3	247	0.0087%	8.24%	0.0057%	5.45%
08/11/21	3	248	0.0087%	8.25%	0.0057%	5.45%
08/12/21	3	249	0.0087%	8.26%	0.0057%	5.46%
08/13/21	3	250	0.0087%	8.27%	0.0057%	5.47%
08/14/21	3	251	0.0087%	8.28%	0.0057%	5.47%
08/15/21	3	252	0.0087%	8.29%	0.0057%	5.48%
08/16/21	3	253	0.0087%	8.30%	0.0057%	5.48%
08/17/21	3	254	0.0087%	8.30%	0.0057%	5.49%
08/18/21	3	255	0.0087%	8.31%	0.0057%	5.49%
08/19/21	3	256	0.0087%	8.32%	0.0057%	5.50%
08/20/21	3	257	0.0087%	8.33%	0.0057%	5.51%
08/21/21	3	258	0.0087%	8.34%	0.0057%	5.51%
08/22/21	3	259	0.0087%	8.35%	0.0057%	5.52%
08/23/21	3	260	0.0087%	8.36%	0.0057%	5.52%
08/24/21	3	261	0.0087%	8.37%	0.0057%	5.53%
08/25/21	3	262	0.0087%	8.37%	0.0057%	5.53%
08/26/21	3	263	0.0087%	8.38%	0.0057%	5.54%
08/27/21	3	264	0.0087%	8.39%	0.0057%	5.55%
08/28/21	3	265	0.0087%	8.40%	0.0057%	5.55%
08/29/21	3	266	0.0087%	8.41%	0.0057%	5.56%
08/30/21	3	267	0.0087%	8.42%	0.0057%	5.56%
08/31/21	3	268	0.0087%	8.43%	0.0057%	5.57%
09/01/21	3	269	0.0087%	8.44%	0.0057%	5.57%
09/02/21	3	270	0.0087%	8.44%	0.0057%	5.58%
09/03/21	3	271	0.0087%	8.45%	0.0057%	5.58%
09/04/21	3	272	0.0087%	8.46%	0.0057%	5.59%
09/05/21	3	273	0.0087%	8.47%	0.0057%	5.60%
09/06/21	3	274	0.0087%	8.48%	0.0057%	5.60%
09/07/21	3	275	0.0087%	8.49%	0.0057%	5.61%
09/08/21	3	276	0.0087%	8.50%	0.0057%	5.61%
09/09/21	3	277	0.0087%	8.51%	0.0057%	5.62%
09/10/21	3	278	0.0087%	8.51%	0.0057%	5.62%
09/11/21	3	279	0.0087%	8.52%	0.0057%	5.63%
09/12/21	3	280	0.0087%	8.53%	0.0057%	5.64%
09/13/21	3	281	0.0087%	8.54%	0.0057%	5.64%
09/14/21	3	282	0.0087%	8.55%	0.0057%	5.65%
09/15/21	3	283	0.0087%	8.56%	0.0057%	5.65%
09/16/21	3	284	0.0087%	8.57%	0.0057%	5.66%
09/17/21	3	285	0.0087%	8.58%	0.0057%	5.66%
09/18/21	3	286	0.0087%	8.58%	0.0057%	5.67%
09/19/21	3	287	0.0087%	8.59%	0.0057%	5.68%
09/20/21	3	288	0.0087%	8.60%	0.0057%	5.68%
09/21/21	3	289	0.0087%	8.61%	0.0057%	5.69%
09/22/21	3	290	0.0087%	8.62%	0.0057%	5.69%
09/23/21	3	291	0.0087%	8.63%	0.0057%	5.70%
09/24/21	3	292	0.0087%	8.64%	0.0057%	5.70%
09/25/21	3	293	0.0087%	8.64%	0.0057%	5.71%
09/26/21	3	294	0.0087%	8.65%	0.0057%	5.72%
09/27/21	3	295	0.0087%	8.66%	0.0057%	5.72%
09/28/21	3	296	0.0087%	8.67%	0.0057%	5.73%
09/29/21	3	297	0.0087%	8.68%	0.0057%	5.73%
09/30/21	3	298	0.0087%	8.69%	0.0057%	5.74%
10/01/21	3	299	0.0087%	8.70%	0.0057%	5.74%
10/02/21	3	300	0.0087%	8.71%	0.0057%	5.75%
10/03/21	3	301	0.0087%	8.71%	0.0057%	5.76%
10/04/21	3	302	0.0087%	8.72%	0.0057%	5.76%
10/05/21	3	303	0.0087%	8.73%	0.0057%	5.77%
10/06/21	3	304	0.0087%	8.74%	0.0057%	5.77%
10/07/21	3	305	0.0087%	8.75%	0.0057%	5.78%
10/08/21	3	306	0.0087%	8.76%	0.0057%	5.78%
10/09/21	3	307	0.0087%	8.77%	0.0057%	5.79%
10/10/21	3	308	0.0087%	8.78%	0.0057%	5.80%
10/11/21	3	309	0.0087%	8.78%	0.0057%	5.80%
10/12/21	3	310	0.0087%	8.79%	0.0057%	5.81%
10/13/21	3	311	0.0087%	8.80%	0.0057%	5.81%
10/14/21	3	312	0.0087%	8.81%	0.0057%	5.82%
10/15/21	3	313	0.0087%	8.82%	0.0057%	5.82%
10/16/21	3	314	0.0087%	8.83%	0.0057%	5.83%
10/17/21	3	315	0.0087%	8.84%	0.0057%	5.84%
10/18/21	3	316	0.0087%	8.85%	0.0057%	5.84%
10/19/21	3	317	0.0087%	8.85%	0.0057%	5.85%
10/20/21	3	318	0.0087%	8.86%	0.0057%	5.85%
10/21/21	3	319	0.0087%	8.87%	0.0057%	5.86%
10/22/21	3	320	0.0087%	8.88%	0.0057%	5.86%
10/23/21	3	321	0.0087%	8.89%	0.0057%	5.87%
10/24/21	3	322	0.0087%	8.90%	0.0057%	5.88%
10/25/21	3	323	0.0087%	8.91%	0.0057%	5.88%
10/26/21	3	324	0.0087%	8.92%	0.0057%	5.89%
10/27/21	3	325	0.0087%	8.92%	0.0057%	5.89%
10/28/21	3	326	0.0087%	8.93%	0.0057%	5.90%
10/29/21	3	327	0.0087%	8.94%	0.0057%	5.90%
10/30/21	3	328	0.0087%	8.95%	0.0057%	5.91%
10/31/21	3	329	0.0087%	8.96%	0.0057%	5.92%
11/01/21	3	330	0.0087%	8.97%	0.0057%	5.92%
11/02/21	3	331	0.0087%	8.98%	0.0057%	5.93%
11/03/21	3	332	0.0087%	8.98%	0.0057%	5.93%
11/04/21	3	333	0.0087%	8.99%	0.0057%	5.94%
11/05/21	3	334	0.0087%	9.00%	0.0057%	5.94%
11/06/21	3	335	0.0087%	9.01%	0.0057%	5.95%
11/07/21	3	336	0.0087%	9.02%	0.0057%	5.96%
11/08/21	3	337	0.0087%	9.03%	0.0057%	5.96%
11/09/21	3	338	0.0087%	9.04%	0.0057%	5.97%
11/10/21	3	339	0.0087%	9.05%	0.0057%	5.97%
11/11/21	3	340	0.0087%	9.05%	0.0057%	5.98%
11/12/21	3	341	0.0087%	9.06%	0.0057%	5.98%
11/13/21	3	342	0.0087%	9.07%	0.0057%	5.99%
11/14/21	3	343	0.0087%	9.08%	0.0057%	6.00%
11/15/21	3	344	0.0087%	9.09%	0.0057%	6.00%
11/16/21	3	345	0.0087%	9.10%	0.0057%	6.01%
11/17/21	3	346	0.0087%	9.11%	0.0057%	6.01%
11/18/21	3	347	0.0087%	9.12%	0.0057%	6.02%
11/19/21	3	348	0.0087%	9.12%	0.0057%	6.02%
11/20/21	3	349	0.0087%	9.13%	0.0057%	6.03%
11/21/21	3	350	0.0087%	9.14%	0.0057%	6.04%
11/22/21	3	351	0.0087%	9.15%	0.0057%	6.04%
11/23/21	3	352	0.0087%	9.16%	0.0057%	6.05%
11/24/21	3	353	0.0087%	9.17%	0.0057%	6.05%

11/25/21	3	354	0.0087%	9.18%	0.0057%	6.06%
11/26/21	3	355	0.0087%	9.19%	0.0057%	6.06%
11/27/21	3	356	0.0087%	9.19%	0.0057%	6.07%
11/28/21	3	357	0.0087%	9.20%	0.0057%	6.08%
11/29/21	3	358	0.0087%	9.21%	0.0057%	6.08%
11/30/21	3	359	0.0087%	9.22%	0.0057%	6.09%
12/01/21	3	360	0.0087%	9.23%	0.0057%	6.09%
12/02/21	3	361	0.0087%	9.24%	0.0057%	6.10%
12/03/21	3	362	0.0087%	9.25%	0.0057%	6.10%
12/04/21	3	363	0.0087%	9.26%	0.0057%	6.11%
12/05/21	3	364	0.0087%	9.26%	0.0057%	6.12%
12/06/21	3	365	0.0087%	9.27%	0.0057%	6.12%
Check	3			9.27%		6.12%

12/07/21	4	1	0.0090%	9.28%	0.0058%	6.13%
12/08/21	4	2	0.0090%	9.29%	0.0058%	6.13%
12/09/21	4	3	0.0090%	9.30%	0.0058%	6.14%
12/10/21	4	4	0.0090%	9.31%	0.0058%	6.14%
12/11/21	4	5	0.0090%	9.32%	0.0058%	6.15%
12/12/21	4	6	0.0090%	9.33%	0.0058%	6.16%
12/13/21	4	7	0.0090%	9.34%	0.0058%	6.16%
12/14/21	4	8	0.0090%	9.34%	0.0058%	6.17%
12/15/21	4	9	0.0090%	9.35%	0.0058%	6.17%
12/16/21	4	10	0.0090%	9.36%	0.0058%	6.18%
12/17/21	4	11	0.0090%	9.37%	0.0058%	6.18%
12/18/21	4	12	0.0090%	9.38%	0.0058%	6.19%
12/19/21	4	13	0.0090%	9.39%	0.0058%	6.20%
12/20/21	4	14	0.0090%	9.40%	0.0058%	6.20%
12/21/21	4	15	0.0090%	9.41%	0.0058%	6.21%
12/22/21	4	16	0.0090%	9.42%	0.0058%	6.21%
12/23/21	4	17	0.0090%	9.43%	0.0058%	6.22%
12/24/21	4	18	0.0090%	9.43%	0.0058%	6.23%
12/25/21	4	19	0.0090%	9.44%	0.0058%	6.23%
12/26/21	4	20	0.0090%	9.45%	0.0058%	6.24%
12/27/21	4	21	0.0090%	9.46%	0.0058%	6.24%
12/28/21	4	22	0.0090%	9.47%	0.0058%	6.25%
12/29/21	4	23	0.0090%	9.48%	0.0058%	6.25%
12/30/21	4	24	0.0090%	9.49%	0.0058%	6.26%
12/31/21	4	25	0.0090%	9.50%	0.0058%	6.27%
01/01/22	4	26	0.0090%	9.51%	0.0058%	6.27%
01/02/22	4	27	0.0090%	9.52%	0.0058%	6.28%
01/03/22	4	28	0.0090%	9.52%	0.0058%	6.28%
01/04/22	4	29	0.0090%	9.53%	0.0058%	6.29%
01/05/22	4	30	0.0090%	9.54%	0.0058%	6.30%
01/06/22	4	31	0.0090%	9.55%	0.0058%	6.30%
01/07/22	4	32	0.0090%	9.56%	0.0058%	6.31%
01/08/22	4	33	0.0090%	9.57%	0.0058%	6.31%
01/09/22	4	34	0.0090%	9.58%	0.0058%	6.32%
01/10/22	4	35	0.0090%	9.59%	0.0058%	6.32%
01/11/22	4	36	0.0090%	9.60%	0.0058%	6.33%
01/12/22	4	37	0.0090%	9.61%	0.0058%	6.34%
01/13/22	4	38	0.0090%	9.61%	0.0058%	6.34%
01/14/22	4	39	0.0090%	9.62%	0.0058%	6.35%
01/15/22	4	40	0.0090%	9.63%	0.0058%	6.35%
01/16/22	4	41	0.0090%	9.64%	0.0058%	6.36%
01/17/22	4	42	0.0090%	9.65%	0.0058%	6.37%
01/18/22	4	43	0.0090%	9.66%	0.0058%	6.37%
01/19/22	4	44	0.0090%	9.67%	0.0058%	6.38%
01/20/22	4	45	0.0090%	9.68%	0.0058%	6.38%
01/21/22	4	46	0.0090%	9.69%	0.0058%	6.39%
01/22/22	4	47	0.0090%	9.69%	0.0058%	6.39%
01/23/22	4	48	0.0090%	9.70%	0.0058%	6.40%
01/24/22	4	49	0.0090%	9.71%	0.0058%	6.41%
01/25/22	4	50	0.0090%	9.72%	0.0058%	6.41%
01/26/22	4	51	0.0090%	9.73%	0.0058%	6.42%
01/27/22	4	52	0.0090%	9.74%	0.0058%	6.42%
01/28/22	4	53	0.0090%	9.75%	0.0058%	6.43%
01/29/22	4	54	0.0090%	9.76%	0.0058%	6.43%
01/30/22	4	55	0.0090%	9.77%	0.0058%	6.44%
01/31/22	4	56	0.0090%	9.78%	0.0058%	6.45%
02/01/22	4	57	0.0090%	9.78%	0.0058%	6.45%
02/02/22	4	58	0.0090%	9.79%	0.0058%	6.46%
02/03/22	4	59	0.0090%	9.80%	0.0058%	6.46%
02/04/22	4	60	0.0090%	9.81%	0.0058%	6.47%
02/05/22	4	61	0.0090%	9.82%	0.0058%	6.48%
02/06/22	4	62	0.0090%	9.83%	0.0058%	6.48%
02/07/22	4	63	0.0090%	9.84%	0.0058%	6.49%
02/08/22	4	64	0.0090%	9.85%	0.0058%	6.49%
02/09/22	4	65	0.0090%	9.86%	0.0058%	6.50%
02/10/22	4	66	0.0090%	9.87%	0.0058%	6.50%
02/11/22	4	67	0.0090%	9.87%	0.0058%	6.51%
02/12/22	4	68	0.0090%	9.88%	0.0058%	6.52%
02/13/22	4	69	0.0090%	9.89%	0.0058%	6.52%
02/14/22	4	70	0.0090%	9.90%	0.0058%	6.53%
02/15/22	4	71	0.0090%	9.91%	0.0058%	6.53%
02/16/22	4	72	0.0090%	9.92%	0.0058%	6.54%
02/17/22	4	73	0.0090%	9.93%	0.0058%	6.55%
02/18/22	4	74	0.0090%	9.94%	0.0058%	6.55%
02/19/22	4	75	0.0090%	9.95%	0.0058%	6.56%
02/20/22	4	76	0.0090%	9.96%	0.0058%	6.56%
02/21/22	4	77	0.0090%	9.96%	0.0058%	6.57%
02/22/22	4	78	0.0090%	9.97%	0.0058%	6.57%
02/23/22	4	79	0.0090%	9.98%	0.0058%	6.58%
02/24/22	4	80	0.0090%	9.99%	0.0058%	6.59%
02/25/22	4	81	0.0090%	10.00%	0.0058%	6.59%
02/26/22	4	82	0.0090%	10.01%	0.0058%	6.60%
02/27/22	4	83	0.0090%	10.02%	0.0058%	6.60%
02/28/22	4	84	0.0090%	10.03%	0.0058%	6.61%
03/01/22	4	85	0.0090%	10.04%	0.0058%	6.62%
03/02/22	4	86	0.0090%	10.05%	0.0058%	6.62%
03/03/22	4	87	0.0090%	10.05%	0.0058%	6.63%
03/04/22	4	88	0.0090%	10.06%	0.0058%	6.63%
03/05/22	4	89	0.0090%	10.07%	0.0058%	6.64%
03/06/22	4	90	0.0090%	10.08%	0.0058%	6.64%
03/07/22	4	91	0.0090%	10.09%	0.0058%	6.65%
03/08/22	4	92	0.0090%	10.10%	0.0058%	6.66%
03/09/22	4	93	0.0090%	10.11%	0.0058%	6.66%
03/10/22	4	94	0.0090%	10.12%	0.0058%	6.67%
03/11/22	4	95	0.0090%	10.13%	0.0058%	6.67%

03/12/22	4	96	0.0090%	10.13%	0.0058%	6.68%
03/13/22	4	97	0.0090%	10.14%	0.0058%	6.68%
03/14/22	4	98	0.0090%	10.15%	0.0058%	6.69%
03/15/22	4	99	0.0090%	10.16%	0.0058%	6.70%
03/16/22	4	100	0.0090%	10.17%	0.0058%	6.70%
03/17/22	4	101	0.0090%	10.18%	0.0058%	6.71%
03/18/22	4	102	0.0090%	10.19%	0.0058%	6.71%
03/19/22	4	103	0.0090%	10.20%	0.0058%	6.72%
03/20/22	4	104	0.0090%	10.21%	0.0058%	6.73%
03/21/22	4	105	0.0090%	10.22%	0.0058%	6.73%
03/22/22	4	106	0.0090%	10.22%	0.0058%	6.74%
03/23/22	4	107	0.0090%	10.23%	0.0058%	6.74%
03/24/22	4	108	0.0090%	10.24%	0.0058%	6.75%
03/25/22	4	109	0.0090%	10.25%	0.0058%	6.75%
03/26/22	4	110	0.0090%	10.26%	0.0058%	6.76%
03/27/22	4	111	0.0090%	10.27%	0.0058%	6.77%
03/28/22	4	112	0.0090%	10.28%	0.0058%	6.77%
03/29/22	4	113	0.0090%	10.29%	0.0058%	6.78%
03/30/22	4	114	0.0090%	10.30%	0.0058%	6.78%
03/31/22	4	115	0.0090%	10.31%	0.0058%	6.79%
04/01/22	4	116	0.0090%	10.31%	0.0058%	6.80%
04/02/22	4	117	0.0090%	10.32%	0.0058%	6.80%
04/03/22	4	118	0.0090%	10.33%	0.0058%	6.81%
04/04/22	4	119	0.0090%	10.34%	0.0058%	6.81%
04/05/22	4	120	0.0090%	10.35%	0.0058%	6.82%
04/06/22	4	121	0.0090%	10.36%	0.0058%	6.82%
04/07/22	4	122	0.0090%	10.37%	0.0058%	6.83%
04/08/22	4	123	0.0090%	10.38%	0.0058%	6.84%
04/09/22	4	124	0.0090%	10.39%	0.0058%	6.84%
04/10/22	4	125	0.0090%	10.40%	0.0058%	6.85%
04/11/22	4	126	0.0090%	10.40%	0.0058%	6.85%
04/12/22	4	127	0.0090%	10.41%	0.0058%	6.86%
04/13/22	4	128	0.0090%	10.42%	0.0058%	6.87%
04/14/22	4	129	0.0090%	10.43%	0.0058%	6.87%
04/15/22	4	130	0.0090%	10.44%	0.0058%	6.88%
04/16/22	4	131	0.0090%	10.45%	0.0058%	6.88%
04/17/22	4	132	0.0090%	10.46%	0.0058%	6.89%
04/18/22	4	133	0.0090%	10.47%	0.0058%	6.89%
04/19/22	4	134	0.0090%	10.48%	0.0058%	6.90%
04/20/22	4	135	0.0090%	10.49%	0.0058%	6.91%
04/21/22	4	136	0.0090%	10.49%	0.0058%	6.91%
04/22/22	4	137	0.0090%	10.50%	0.0058%	6.92%
04/23/22	4	138	0.0090%	10.51%	0.0058%	6.92%
04/24/22	4	139	0.0090%	10.52%	0.0058%	6.93%
04/25/22	4	140	0.0090%	10.53%	0.0058%	6.93%
04/26/22	4	141	0.0090%	10.54%	0.0058%	6.94%
04/27/22	4	142	0.0090%	10.55%	0.0058%	6.95%
04/28/22	4	143	0.0090%	10.56%	0.0058%	6.95%
04/29/22	4	144	0.0090%	10.57%	0.0058%	6.96%
04/30/22	4	145	0.0090%	10.57%	0.0058%	6.96%
05/01/22	4	146	0.0090%	10.58%	0.0058%	6.97%
05/02/22	4	147	0.0090%	10.59%	0.0058%	6.98%
05/03/22	4	148	0.0090%	10.60%	0.0058%	6.98%
05/04/22	4	149	0.0090%	10.61%	0.0058%	6.99%
05/05/22	4	150	0.0090%	10.62%	0.0058%	6.99%
05/06/22	4	151	0.0090%	10.63%	0.0058%	7.00%
05/07/22	4	152	0.0090%	10.64%	0.0058%	7.00%
05/08/22	4	153	0.0090%	10.65%	0.0058%	7.01%
05/09/22	4	154	0.0090%	10.66%	0.0058%	7.02%
05/10/22	4	155	0.0090%	10.66%	0.0058%	7.02%
05/11/22	4	156	0.0090%	10.67%	0.0058%	7.03%
05/12/22	4	157	0.0090%	10.68%	0.0058%	7.03%
05/13/22	4	158	0.0090%	10.69%	0.0058%	7.04%
05/14/22	4	159	0.0090%	10.70%	0.0058%	7.05%
05/15/22	4	160	0.0090%	10.71%	0.0058%	7.05%
05/16/22	4	161	0.0090%	10.72%	0.0058%	7.06%
05/17/22	4	162	0.0090%	10.73%	0.0058%	7.06%
05/18/22	4	163	0.0090%	10.74%	0.0058%	7.07%
05/19/22	4	164	0.0090%	10.75%	0.0058%	7.07%
05/20/22	4	165	0.0090%	10.75%	0.0058%	7.08%
05/21/22	4	166	0.0090%	10.76%	0.0058%	7.09%
05/22/22	4	167	0.0090%	10.77%	0.0058%	7.09%
05/23/22	4	168	0.0090%	10.78%	0.0058%	7.10%
05/24/22	4	169	0.0090%	10.79%	0.0058%	7.10%
05/25/22	4	170	0.0090%	10.80%	0.0058%	7.11%
05/26/22	4	171	0.0090%	10.81%	0.0058%	7.12%
05/27/22	4	172	0.0090%	10.82%	0.0058%	7.12%
05/28/22	4	173	0.0090%	10.83%	0.0058%	7.13%
05/29/22	4	174	0.0090%	10.84%	0.0058%	7.13%
05/30/22	4	175	0.0090%	10.84%	0.0058%	7.14%
05/31/22	4	176	0.0090%	10.85%	0.0058%	7.14%
06/01/22	4	177	0.0090%	10.86%	0.0058%	7.15%
06/02/22	4	178	0.0090%	10.87%	0.0058%	7.16%
06/03/22	4	179	0.0090%	10.88%	0.0058%	7.16%
06/04/22	4	180	0.0090%	10.89%	0.0058%	7.17%
06/05/22	4	181	0.0090%	10.90%	0.0058%	7.17%
06/06/22	4	182	0.0090%	10.91%	0.0058%	7.18%
06/07/22	4	183	0.0090%	10.92%	0.0058%	7.18%
06/08/22	4	184	0.0090%	10.93%	0.0058%	7.19%
06/09/22	4	185	0.0090%	10.93%	0.0058%	7.20%
06/10/22	4	186	0.0090%	10.94%	0.0058%	7.20%
06/11/22	4	187	0.0090%	10.95%	0.0058%	7.21%
06/12/22	4	188	0.0090%	10.96%	0.0058%	7.21%
06/13/22	4	189	0.0090%	10.97%	0.0058%	7.22%
06/14/22	4	190	0.0090%	10.98%	0.0058%	7.23%
06/15/22	4	191	0.0090%	10.99%	0.0058%	7.23%
06/16/22	4	192	0.0090%	11.00%	0.0058%	7.24%
06/17/22	4	193	0.0090%	11.01%	0.0058%	7.24%
06/18/22	4	194	0.0090%	11.02%	0.0058%	7.25%
06/19/22	4	195	0.0090%	11.02%	0.0058%	7.25%
06/20/22	4	196	0.0090%	11.03%	0.0058%	7.26%
06/21/22	4	197	0.0090%	11.04%	0.0058%	7.27%
06/22/22	4	198	0.0090%	11.05%	0.0058%	7.27%
06/23/22	4	199	0.0090%	11.06%	0.0058%	7.28%
06/24/22	4	200	0.0090%	11.07%	0.0058%	7.28%
06/25/22	4	201	0.0090%	11.08%	0.0058%	7.29%
06/26/22	4	202	0.0090%	11.09%	0.0058%	7.30%
06/27/22	4	203	0.0090%	11.10%	0.0058%	7.30%
06/28/22	4	204	0.0090%	11.10%	0.0058%	7.31%

06/29/22	4	205	0.0090%	11.11%	0.0058%	7.31%
06/30/22	4	206	0.0090%	11.12%	0.0058%	7.32%
07/01/22	4	207	0.0090%	11.13%	0.0058%	7.32%
07/02/22	4	208	0.0090%	11.14%	0.0058%	7.33%
07/03/22	4	209	0.0090%	11.15%	0.0058%	7.34%
07/04/22	4	210	0.0090%	11.16%	0.0058%	7.34%
07/05/22	4	211	0.0090%	11.17%	0.0058%	7.35%
07/06/22	4	212	0.0090%	11.18%	0.0058%	7.35%
07/07/22	4	213	0.0090%	11.19%	0.0058%	7.36%
07/08/22	4	214	0.0090%	11.19%	0.0058%	7.37%
07/09/22	4	215	0.0090%	11.20%	0.0058%	7.37%
07/10/22	4	216	0.0090%	11.21%	0.0058%	7.38%
07/11/22	4	217	0.0090%	11.22%	0.0058%	7.38%
07/12/22	4	218	0.0090%	11.23%	0.0058%	7.39%
07/13/22	4	219	0.0090%	11.24%	0.0058%	7.39%
07/14/22	4	220	0.0090%	11.25%	0.0058%	7.40%
07/15/22	4	221	0.0090%	11.26%	0.0058%	7.41%
07/16/22	4	222	0.0090%	11.27%	0.0058%	7.41%
07/17/22	4	223	0.0090%	11.28%	0.0058%	7.42%
07/18/22	4	224	0.0090%	11.28%	0.0058%	7.42%
07/19/22	4	225	0.0090%	11.29%	0.0058%	7.43%
07/20/22	4	226	0.0090%	11.30%	0.0058%	7.43%
07/21/22	4	227	0.0090%	11.31%	0.0058%	7.44%
07/22/22	4	228	0.0090%	11.32%	0.0058%	7.45%
07/23/22	4	229	0.0090%	11.33%	0.0058%	7.45%
07/24/22	4	230	0.0090%	11.34%	0.0058%	7.46%
07/25/22	4	231	0.0090%	11.35%	0.0058%	7.46%
07/26/22	4	232	0.0090%	11.36%	0.0058%	7.47%
07/27/22	4	233	0.0090%	11.37%	0.0058%	7.48%
07/28/22	4	234	0.0090%	11.37%	0.0058%	7.48%
07/29/22	4	235	0.0090%	11.38%	0.0058%	7.49%
07/30/22	4	236	0.0090%	11.39%	0.0058%	7.49%
07/31/22	4	237	0.0090%	11.40%	0.0058%	7.50%
08/01/22	4	238	0.0090%	11.41%	0.0058%	7.50%
08/02/22	4	239	0.0090%	11.42%	0.0058%	7.51%
08/03/22	4	240	0.0090%	11.43%	0.0058%	7.52%
08/04/22	4	241	0.0090%	11.44%	0.0058%	7.52%
08/05/22	4	242	0.0090%	11.45%	0.0058%	7.53%
08/06/22	4	243	0.0090%	11.46%	0.0058%	7.53%
08/07/22	4	244	0.0090%	11.46%	0.0058%	7.54%
08/08/22	4	245	0.0090%	11.47%	0.0058%	7.55%
08/09/22	4	246	0.0090%	11.48%	0.0058%	7.55%
08/10/22	4	247	0.0090%	11.49%	0.0058%	7.56%
08/11/22	4	248	0.0090%	11.50%	0.0058%	7.56%
08/12/22	4	249	0.0090%	11.51%	0.0058%	7.57%
08/13/22	4	250	0.0090%	11.52%	0.0058%	7.57%
08/14/22	4	251	0.0090%	11.53%	0.0058%	7.58%
08/15/22	4	252	0.0090%	11.54%	0.0058%	7.59%
08/16/22	4	253	0.0090%	11.54%	0.0058%	7.59%
08/17/22	4	254	0.0090%	11.55%	0.0058%	7.60%
08/18/22	4	255	0.0090%	11.56%	0.0058%	7.60%
08/19/22	4	256	0.0090%	11.57%	0.0058%	7.61%
08/20/22	4	257	0.0090%	11.58%	0.0058%	7.62%
08/21/22	4	258	0.0090%	11.59%	0.0058%	7.62%
08/22/22	4	259	0.0090%	11.60%	0.0058%	7.63%
08/23/22	4	260	0.0090%	11.61%	0.0058%	7.63%
08/24/22	4	261	0.0090%	11.62%	0.0058%	7.64%
08/25/22	4	262	0.0090%	11.63%	0.0058%	7.64%
08/26/22	4	263	0.0090%	11.63%	0.0058%	7.65%
08/27/22	4	264	0.0090%	11.64%	0.0058%	7.66%
08/28/22	4	265	0.0090%	11.65%	0.0058%	7.66%
08/29/22	4	266	0.0090%	11.66%	0.0058%	7.67%
08/30/22	4	267	0.0090%	11.67%	0.0058%	7.67%
08/31/22	4	268	0.0090%	11.68%	0.0058%	7.68%
09/01/22	4	269	0.0090%	11.69%	0.0058%	7.68%
09/02/22	4	270	0.0090%	11.70%	0.0058%	7.69%
09/03/22	4	271	0.0090%	11.71%	0.0058%	7.70%
09/04/22	4	272	0.0090%	11.72%	0.0058%	7.70%
09/05/22	4	273	0.0090%	11.72%	0.0058%	7.71%
09/06/22	4	274	0.0090%	11.73%	0.0058%	7.71%
09/07/22	4	275	0.0090%	11.74%	0.0058%	7.72%
09/08/22	4	276	0.0090%	11.75%	0.0058%	7.73%
09/09/22	4	277	0.0090%	11.76%	0.0058%	7.73%
09/10/22	4	278	0.0090%	11.77%	0.0058%	7.74%
09/11/22	4	279	0.0090%	11.78%	0.0058%	7.74%
09/12/22	4	280	0.0090%	11.79%	0.0058%	7.75%
09/13/22	4	281	0.0090%	11.80%	0.0058%	7.75%
09/14/22	4	282	0.0090%	11.81%	0.0058%	7.76%
09/15/22	4	283	0.0090%	11.81%	0.0058%	7.77%
09/16/22	4	284	0.0090%	11.82%	0.0058%	7.77%
09/17/22	4	285	0.0090%	11.83%	0.0058%	7.78%
09/18/22	4	286	0.0090%	11.84%	0.0058%	7.78%
09/19/22	4	287	0.0090%	11.85%	0.0058%	7.79%
09/20/22	4	288	0.0090%	11.86%	0.0058%	7.80%
09/21/22	4	289	0.0090%	11.87%	0.0058%	7.80%
09/22/22	4	290	0.0090%	11.88%	0.0058%	7.81%
09/23/22	4	291	0.0090%	11.89%	0.0058%	7.81%
09/24/22	4	292	0.0090%	11.90%	0.0058%	7.82%
09/25/22	4	293	0.0090%	11.90%	0.0058%	7.82%
09/26/22	4	294	0.0090%	11.91%	0.0058%	7.83%
09/27/22	4	295	0.0090%	11.92%	0.0058%	7.84%
09/28/22	4	296	0.0090%	11.93%	0.0058%	7.84%
09/29/22	4	297	0.0090%	11.94%	0.0058%	7.85%
09/30/22	4	298	0.0090%	11.95%	0.0058%	7.85%
10/01/22	4	299	0.0090%	11.96%	0.0058%	7.86%
10/02/22	4	300	0.0090%	11.97%	0.0058%	7.87%
10/03/22	4	301	0.0090%	11.98%	0.0058%	7.87%
10/04/22	4	302	0.0090%	11.99%	0.0058%	7.88%
10/05/22	4	303	0.0090%	11.99%	0.0058%	7.88%
10/06/22	4	304	0.0090%	12.00%	0.0058%	7.89%
10/07/22	4	305	0.0090%	12.01%	0.0058%	7.89%
10/08/22	4	306	0.0090%	12.02%	0.0058%	7.90%
10/09/22	4	307	0.0090%	12.03%	0.0058%	7.91%
10/10/22	4	308	0.0090%	12.04%	0.0058%	7.91%
10/11/22	4	309	0.0090%	12.05%	0.0058%	7.92%
10/12/22	4	310	0.0090%	12.06%	0.0058%	7.92%
10/13/22	4	311	0.0090%	12.07%	0.0058%	7.93%
10/14/22	4	312	0.0090%	12.07%	0.0058%	7.94%
10/15/22	4	313	0.0090%	12.08%	0.0058%	7.94%

10/16/22	4	314	0.0090%	12.09%	0.0058%	7.95%
10/17/22	4	315	0.0090%	12.10%	0.0058%	7.95%
10/18/22	4	316	0.0090%	12.11%	0.0058%	7.96%
10/19/22	4	317	0.0090%	12.12%	0.0058%	7.96%
10/20/22	4	318	0.0090%	12.13%	0.0058%	7.97%
10/21/22	4	319	0.0090%	12.14%	0.0058%	7.98%
10/22/22	4	320	0.0090%	12.15%	0.0058%	7.98%
10/23/22	4	321	0.0090%	12.16%	0.0058%	7.99%
10/24/22	4	322	0.0090%	12.16%	0.0058%	7.99%
10/25/22	4	323	0.0090%	12.17%	0.0058%	8.00%
10/26/22	4	324	0.0090%	12.18%	0.0058%	8.00%
10/27/22	4	325	0.0090%	12.19%	0.0058%	8.01%
10/28/22	4	326	0.0090%	12.20%	0.0058%	8.02%
10/29/22	4	327	0.0090%	12.21%	0.0058%	8.02%
10/30/22	4	328	0.0090%	12.22%	0.0058%	8.03%
10/31/22	4	329	0.0090%	12.23%	0.0058%	8.03%
11/01/22	4	330	0.0090%	12.24%	0.0058%	8.04%
11/02/22	4	331	0.0090%	12.25%	0.0058%	8.05%
11/03/22	4	332	0.0090%	12.25%	0.0058%	8.05%
11/04/22	4	333	0.0090%	12.26%	0.0058%	8.06%
11/05/22	4	334	0.0090%	12.27%	0.0058%	8.06%
11/06/22	4	335	0.0090%	12.28%	0.0058%	8.07%
11/07/22	4	336	0.0090%	12.29%	0.0058%	8.07%
11/08/22	4	337	0.0090%	12.30%	0.0058%	8.08%
11/09/22	4	338	0.0090%	12.31%	0.0058%	8.09%
11/10/22	4	339	0.0090%	12.32%	0.0058%	8.09%
11/11/22	4	340	0.0090%	12.33%	0.0058%	8.10%
11/12/22	4	341	0.0090%	12.34%	0.0058%	8.10%
11/13/22	4	342	0.0090%	12.34%	0.0058%	8.11%
11/14/22	4	343	0.0090%	12.35%	0.0058%	8.12%
11/15/22	4	344	0.0090%	12.36%	0.0058%	8.12%
11/16/22	4	345	0.0090%	12.37%	0.0058%	8.13%
11/17/22	4	346	0.0090%	12.38%	0.0058%	8.13%
11/18/22	4	347	0.0090%	12.39%	0.0058%	8.14%
11/19/22	4	348	0.0090%	12.40%	0.0058%	8.14%
11/20/22	4	349	0.0090%	12.41%	0.0058%	8.15%
11/21/22	4	350	0.0090%	12.42%	0.0058%	8.16%
11/22/22	4	351	0.0090%	12.43%	0.0058%	8.16%
11/23/22	4	352	0.0090%	12.43%	0.0058%	8.17%
11/24/22	4	353	0.0090%	12.44%	0.0058%	8.17%
11/25/22	4	354	0.0090%	12.45%	0.0058%	8.18%
11/26/22	4	355	0.0090%	12.46%	0.0058%	8.19%
11/27/22	4	356	0.0090%	12.47%	0.0058%	8.19%
11/28/22	4	357	0.0090%	12.48%	0.0058%	8.20%
11/29/22	4	358	0.0090%	12.49%	0.0058%	8.20%
11/30/22	4	359	0.0090%	12.50%	0.0058%	8.21%
12/01/22	4	360	0.0090%	12.51%	0.0058%	8.21%
12/02/22	4	361	0.0090%	12.51%	0.0058%	8.22%
12/03/22	4	362	0.0090%	12.52%	0.0058%	8.23%
12/04/22	4	363	0.0090%	12.53%	0.0058%	8.23%
12/05/22	4	364	0.0090%	12.54%	0.0058%	8.24%
12/06/22	4	365	0.0090%	12.55%	0.0058%	8.24%
Check	4			12.55%		8.24%

Overall 3% Cap (Section 393.1655.3)

Line No.	Description	Average Overall Rate Effective December 6, 2018				Proposed Revenue for Recovery with semi-annual FAC rate update (30th Accumulation)			
		Total Revenue	Total Sales kWh	Tariff Rate	Tariff w/Avg VAF	Total Revenue	Total Sales kWh	Tariff Rate	Tariff w/Avg VAF
1	Base Revenue					Base Revenue			
2	2018 Rate Case Revenue per Stipulation	\$ 744,758,135				2022 Annualized Revenue	\$ 711,147,029		
3	2018 Rate Case Revenue Decrease	(23,981,212)				2022 Revenue Requirement Ask	60,900,000		
4	Total Revenue Required	\$ 720,776,923	7,957,355,672	\$ 0.09058	\$ 0.09058 Avg Base Rate	Total Revenue Required	\$ 772,047,029	7,931,627,780	\$ 0.09734 \$ 0.09734
6	Rider Revenue					Rider Revenue			
7	RESRAM	\$ 7,207,581	8,719,922,175	\$ 0.00083	\$ 0.00083 Avg Rider Rate	RESRAM	\$ 7,720,470	8,091,385,105	\$ 0.00095 \$ 0.00095
10	FAC					FAC			
11	21st Accumulation					29th Accumulation			
12	Recovered March 2018 - February 2019					Recovered March 2022 - February 2023			
13	Total FPA includes true-up	\$ 8,315,398	8,761,343,321	\$ 0.00095	\$ 0.00096 Avg Rider Rate	Total FPA includes true-up	\$ 47,488,718	8,632,897,538	\$ 0.00550 \$ 0.00556
14	Weighted Avg VAF using Rate Case ER-2018-0146		0.010670			Weighted Avg VAF using Rate Case ER-2018-0146		0.010398	
15	22nd Accumulation					30th AP			
16	Recovered September 2018 - August 2019					Recovered September 2022 - August 2023			
17	Total FPA includes true-up	\$ 11,366,822	8,785,320,152	\$ 0.00129	\$ 0.00130 Avg Rider Rate	Total FPA includes true-up	\$ 44,604,020	8,659,609,098	\$ 0.00515 \$ 0.00520
18	Weighted Avg VAF using Rate Case ER-2018-0146		0.010670			Weighted Avg VAF using Rate Case ER-2018-0146		0.010398	
20	Total Revenue Allowed to Recover	\$ 747,666,724		\$ 0.09367	Avg Overall Rate	Proposed Projected Revenue to Recover	\$ 871,860,237		\$ 0.10905
22						Rate Incr / (Decr) over Avg Overall Rate			\$ 0.01538
23						Projected Rate Change			16.42%
24									
25	For rates effective	12/6/2022				Adjustment amount in excess of Avg Overall Rate Cap:	12.55%		
26						Amount Deferred (393.1655.5)	\$ (31,087,997)	\$ (0.00359)	\$ (0.00362)
27		3% Average Overall Rate Cap is actually:		12.5509%		Proposed Projected Revenue to Recover	\$ 840,772,240		\$ 0.10543
28						Rate Incr / (Decr) over Avg Overall Rate			\$ 0.01176
29						Projected Rate Change			12.55%

2022 Annualized Revenue - less Nucor billed Revenue Requirement Ask 59,766,677
Total Revenues

After Adjustment:

Revised tariff amount	Revenue	Sales kWh	Tariff Rate
Original 30th AP	\$ 44,604,020	8,659,609,098	\$ 0.00515
Amount Deferred	(31,087,997)		(0.00359)
Final 30th AP FPA	\$ 13,516,023	8,659,609,098	\$ 0.00156

Large Power 2% Cap (Section 393.1655.6)

Line No.	Description	Class Average Overall Rate Effective December 6, 2018				Proposed Revenue for Recovery with semi-annual FAC rate update (30th Accumulation)			
		Large Power Revenue	Large Power Sales kWh	LP Tariff Rate	LP Tariff w/Avg VAF	Large Power Revenue	Large Power Sales kWh	LP Tariff Rate	LP Tariff w/Avg VAF
33	Base Revenue LP					Base Revenue LP			
34	2018 Rate Case Revenue per Stipulation	\$ 130,744,916				2022 Annualized Revenue	\$ 116,415,609		
35	2018 Rate Case Revenue Decrease	(4,209,986)				2022 Revenue Requirement Ask	7,501,489		
36	Total Revenue Required	\$ 126,534,930	2,060,228,862	\$ 0.06142	\$ 0.06142 Class Avg Base Rate	Total Revenue Required	\$ 123,917,098	1,943,612,246	\$ 0.06376 \$ 0.06376
37			25.89%					24.50%	
38	Rider Revenue					Rider Revenue			
39	RESRAM LP	\$ 1,873,798	2,257,587,851	\$ 0.00083	\$ 0.00083 Class Avg Rider Rate	RESRAM LP	\$ 1,883,270	1,982,389,351	\$ 0.00095 \$ 0.00095
42	FAC					FAC			
43	21st Accumulation LP					29th Accumulation LP - with 3% cap deferral when necessary			
44	Recovered March 2018 - February 2019					Recovered March 2022 - February 2023			
45	Total FPA includes true-up	\$ 2,154,896	2,268,311,786	\$ 0.00095	\$ 0.00096 Class Avg Rider Rate	Total FPA includes true-up	\$ 12,148,416	2,208,440,965	\$ 0.00550 \$ 0.00556
46	Weighted Avg VAF using Rate Case ER-2018-0146		0.010575			Weighted Avg VAF using Rate Case ER-2018-0146		0.010326	
47	22nd Accumulation LP					30th AP LP - with 3% cap deferral when necessary			
48	Recovered September 2018 - August 2019					Recovered September 2022 - August 2023			
49	Total FPA includes true-up	\$ 2,934,130	2,274,519,387	\$ 0.00129	\$ 0.00130 Class Avg Rider Rate	Total FPA includes true-up	\$ 3,461,082	2,217,487,512	\$ 0.00156 \$ 0.00158
50	Weighted Avg VAF using Rate Case ER-2018-0146		0.010575			Weighted Avg VAF using Rate Case ER-2018-0146		0.010326	
52	Total Revenue Allowed to Recover	\$ 133,497,754		\$ 0.06451	Class Avg Overall Rate	Proposed Projected Revenue to Recover	\$ 141,409,865		\$ 0.07184
55						Rate Incr / (Decr) over Class Avg Overall Rate			\$ 0.00733
56						Projected Rate Change			11.36%
57	For rates effective	12/6/2022				Adjustment needed if over Class Avg Overall Rate cap	8.24%		
58						Adjustment (393.1655.6)	\$ (4,412,800)	\$ (0.00199)	\$ (0.00201)
59		2% Class Average Overall Rate Cap is actually:		8.2432%		Proposed Projected Revenue to Recover	\$ 136,997,065		\$ 0.06983
63						Rate Incr / (Decr) over Class Avg Overall Rate			\$ 0.00532
64						Projected Rate Change			8.24%

2022 Annualized Revenue Revenue Requirement Ask Total Revenues

After Adjustment:

Revised tariff amount	Revenue	Sales kWh	Tariff Rate
Original LP FPA	\$ 3,461,082	2,217,487,512	\$ 0.00156
Adjustment	(4,412,800)		(0.00199)
Final LP FPA	\$ (951,719)	2,217,487,512	\$ (0.00043)

Final Non-LP FPA	Revenue	Sales kWh	Tariff Rate
Ref. Tariff Sheet No. 127.23	\$ 14,467,742	6,442,121,586	\$ 0.00225

Final 30th AP FPA	\$ 13,516,023	8,659,609,098	
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Note: LP kWh sales are not projected at the rate ID level, but only at the revenue class level (example: Residential, Commercial, Industrial)
LP kWh sales are being allocated based on the % LP kWh sales to total kWh sales established in the last GMO rate case, Case No. ER-2018-0146.

Per Section 393.1655.6 - Any amount in excess of the 2% limitation shall be allocated to all other Non-LP rate classes through a uniform percentage adjustment. Reference Section 8 workpapers, Fuel and Purchased Power Adjustment (FPA) line item for the 6-month accumulation period that ties to the Final LP FPA calculated above.

CONFIDENTIAL- MO West - Missouri Jurisdiction Class REVENUE SUMMARY - For Direct filing - ER-2022-0130

MISSOURI RATE GROUP	(A) Weather Normalized CG kWh	(B) % Weighting	(C) Revenue from Existing Rates (Including FAC, DSIM, EDR)(1)	(D) FAC Rider/Adjustments	(E) DSIM Rider/Adjustments	RESRAM	EDR Credits**	Misc. Credits	Revenue from Existing Rates less FAC & DSIM adjustments (1)*	F=(B-(C+D))	G=(F-E)	H=F*(%)	Requested Increase-(No Nucor Increase)***	Requested Increase-Including EDR Gross Up	Full Requested Increase-Revenue Shifts with EDR gross up	Adj Request-excluding Net Fuel	Proposed Revenue (1) Reg increase only-excluding Net Fuel	Proposed Revenue - Full Increase
											Full Increase:	8.31%						
LARGE POWER TOTAL	1,943,612,246	25%	\$121,423,282	\$ 938,723	\$ 2,025,231	\$ 1,729,302	\$ (702,246)	\$ 314,416	\$ 116,415,609	\$ 117,117,855	\$ 9,672,750	\$ 9,780,138	\$ 9,839,135	\$7,501,489	-\$368,479	\$116,749,376	\$124,619,343	
LARGE GEN SVC TOTAL	1,182,604,812	15%	\$94,558,738	\$697,112	\$4,078,376	\$1,081,629	\$ (1,129,553)	\$ (28,188)	\$ 88,729,808	\$ 89,859,361	\$ 7,372,390	\$ 7,454,239	\$ 7,549,134	\$5,767,424	\$978,885	\$90,838,247	\$95,626,785	
THERMAL	7,395,208	0%	\$499,365	\$5,135	\$27,464	\$6,582	\$ -	\$ -	\$ 460,184	\$ 460,184	\$ 38,236	\$ 38,660	\$ 38,660	\$29,420	-\$525	\$459,660	\$489,604	
SMALL GEN SVC TOTAL	1,190,733,354	15%	\$123,565,984	\$658,500	\$5,232,003	\$1,038,500	\$ (6,285)	\$ (49,642)	\$ 116,686,623	\$ 116,692,908	\$ 9,695,268	\$ 9,802,907	\$ 9,803,435	\$5,009,620	\$188,168	\$116,881,077	\$121,702,528	
RESIDENTIAL TOTAL	3,563,364,285	45%	\$398,954,294	\$2,100,930	\$17,677,128	\$3,205,046	\$0	\$(\$115,103)	\$ 376,086,292	\$ 376,086,292	\$ 31,248,288	\$ 31,595,214	\$ 31,595,214	\$40,777,993	\$26,349,414	\$402,435,707	\$416,864,285	
MO Metered TOTALS	7,887,709,905		\$739,001,663	\$4,400,400	\$29,040,203	\$7,061,060	\$ (1,838,084)		\$ 698,378,516	\$ 700,216,600	\$ 58,026,931	\$ 58,671,158	\$ 58,825,577	\$ 59,085,945	\$ 27,147,465	\$ 727,364,065	\$ 759,302,546	
MO Lighting TOTAL:	43,758,481		\$13,071,188	\$23,743	\$0	\$39,018	\$ -	\$ 1,476	\$ 13,006,951	\$ 13,006,951	\$ 1,080,723	\$ 1,092,721	\$ 1,092,721	\$831,539	\$654,355	\$13,661,306	\$13,838,491	
MO TOTAL*	7,931,468,385	100.00%	\$752,072,850	\$4,424,143	\$29,040,203	\$7,100,077	\$ (1,838,084)		\$ 711,385,468	\$ 713,223,552	\$ 59,107,654	\$ 59,763,879	\$ 59,918,298	\$ 59,917,485	\$ 27,801,820	\$ 741,025,371	\$ 773,141,036	
CCN	159,395		\$33,302.21	\$0.00	\$0.00	\$0.00	\$0.00		\$33,302.21	\$ 33,302	\$ 2,767	\$ 2,798	\$ 2,798	\$3,611				
NUCOR	196,825,446		\$7,898,321.33	\$0.00	\$0.00	\$0.00	\$0.00		\$7,898,321.33	\$ 7,898,321	\$ 656,256							
Total w CCN and NUCOR	8,128,453,226																	

(1) All classes' revenues reflect both EDR/MPower(DRI) credits and Manual Bill revenue.

\$ 0 Tie Out

\$ (0)

*Across all classes, consistent with the MEEIA S&A, adjustment of test year retail base sales are made to reflect MEEIA kw/kWh savings.

** EDR credits are applied top side. In order to recover the expected and allowed RR/increase, revenues must be grossed up to reflect revenues prior to reduction in order to adjust the pricing to receive the needed RR

***Nucor is under a contract price and covering their costs completely.

RR Reqmt (Request Inc) 1-7-22 \$ 59,766,677 \$ (154,418.44)

EDR gross up \$ 154,418

	Original	Adj Orig	Rev Shifts
LPS	8.31%	8.40%	7.05%
LGS	8.31%	8.40%	7.77%
SGS	8.31%	8.40%	4.30%
Thermal	8.31%	8.40%	6.39%
RES	8.31%	8.40%	10.84%
Lighting	8.31%	8.40%	5.03%

Net Fuel-related revenue		Percentage increase excl Net Fuel			
LPS	\$ 7,869,968	24.51%	LPS	-0.31%	-1.33%
LGS	\$ 4,788,538	14.91%	LGS	1.09%	3.52%
Thermal	\$ 29,944	0.09%	Thermal	-0.11%	0.00%
SGS	\$ 4,821,452	15.01%	SGS	0.16%	0.68%
RES	\$ 14,428,578	44.93%	RES	7.01%	94.76%
LIGHTING	\$ 177,184	0.55%	LIGHTING	5.03%	2.35%
	\$ 32,115,665				

Net Fuel Rev Rqmt \$ 32,115,665
\$/kWh 0.00405

KCP&L Greater Missouri Operation Class Revenue - For Settlement - ER-2018-0146

GMO RATE CLASSIFICATION	Staff's Settled Sales (kWh)	Staff's Settled Revenues	Settled Decrease	-3.22%		Staff's Settled Sales (kWh)	% of Sales	Staff's Settled Revenues	\$/kWh	% of Revenue
				Overall Decrease						
LARGE POWER TOTAL	2,060,228,862	\$ 130,744,916	\$ (4,209,986.30)	-3.22%		2,060,228,862	25.89%	\$ 126,534,930	\$ 0.06142	17.56%
LARGE GEN SVC TOTAL	1,259,931,380	\$ 99,182,696	\$ (3,193,682.81)	-3.22%		1,259,931,380	15.83%	\$ 95,989,013	\$ 0.07619	13.32%
SMALL GEN SVC TOTAL	1,166,411,321	\$ 118,921,918	\$ (3,829,285.76)	-3.22%		1,166,411,321	14.66%	\$ 115,092,632	\$ 0.09867	15.97%
RESIDENTIAL TOTAL	3,460,775,283	\$ 381,760,270	\$ (12,292,680.69)	-3.22%		3,460,775,283	43.49%	\$ 369,467,589	\$ 0.10676	51.26%
GENERAL TOD	381,187	\$ 35,159	\$ (1,132.12)	-3.22%		381,187	0.00%	\$ 34,027	\$ 0.08927	0.00%
THERMAL	8,281,604	\$ 528,228	\$ (17,008.94)	-3.22%		8,281,604	0.10%	\$ 511,219	\$ 0.06173	0.07%
METERED LIGHTING	1,346,035	\$ 120,911	\$ (3,893.33)	-3.22%		1,346,035	0.02%	\$ 117,018	\$ 0.08694	0.02%
GMO Metered TOTALS	7,957,355,672	\$ 731,294,098	\$ (23,547,670)					\$ 707,746,428	\$ 0.08894	98.19%
UNMETERED LIGHTING		\$ 13,464,037	\$ (433,541.99)	-3.22%				\$ 13,030,495		1.81%
GMO TOTAL	7,957,355,672	\$ 744,758,135	\$ (23,981,212)	-3.22%		7,957,355,672	100.00%	\$ 720,776,923	\$ 0.09058	100.00%

from COS GMO Rate Design Settlement

	Large Power	Large Gen Svc	Small Gen Svc	Residential	General TOD	Thermal	Metered Light	TOTAL	VAF ER-2018-0146	
Secondary	1,106,813,971	1,152,420,722	1,162,627,187	3,460,775,283	381,187	8,281,604	1,346,035	6,892,645,989	1.0426	7,186,272,708
Primary	565,903,500	107,510,658	3,784,133					677,198,291	1.0268	695,347,205
Primary (Transmission)	106,216,852	-	-					106,216,852	1.0100	107,279,021
Primary (Substation)	281,294,540	-	-					281,294,540	1.0133	285,035,757
	2,060,228,863	1,259,931,380	1,166,411,320	3,460,775,283	381,187	8,281,604	1,346,035	7,957,355,672		8,273,934,691
	(1)	0	1	(0)	(0)	-	-	0		
									Total Company	1.0398 Average loss or VAF

from COS GMO Rate Design Settlement

	Large Power	TOTAL	VAF ER-2018-0146	
Secondary	1,106,813,971	1,106,813,971	1.0426	1,153,964,246
Primary	565,903,500	565,903,500	1.0268	581,069,714
Primary (Transmission)	106,216,852	106,216,852	1.0100	107,279,021
Primary (Substation)	281,294,540	281,294,540	1.0133	285,035,757
	2,060,228,863	2,060,228,863		2,127,348,738
	(1)	(1)		
			Large Power	1.0326 Average loss or VAF

GMO FAC Intra-Year CAGR Limits

	Overall	Large Power
Date	3.00%	2.00%
GMO Semi-Annual FAC CAGR Dates		
09/01/19	2.2110%	1.4740%
03/01/20	3.7281%	2.4807%
09/01/20	5.2858%	3.5090%
03/01/21	6.8312%	4.5246%
09/01/21	8.4356%	5.5735%
03/01/22	10.0361%	6.6151%
09/01/22	11.6887%	7.6850%
Annual Rate Case CAGR Dates		
12/06/19	3.0000%	2.0000%
12/06/20	6.0900%	4.0400%
12/06/21	9.2727%	6.1208%
12/06/22	12.5509%	8.2432%

Date	Lookup		3.00%		2.00%	
	Year	Day	Daily	CAGR	Daily	CAGR
12/07/18	1	1	0.0082%	0.01%	0.0055%	0.01%
12/08/18	1	2	0.0082%	0.02%	0.0055%	0.01%
12/09/18	1	3	0.0082%	0.02%	0.0055%	0.02%
12/10/18	1	4	0.0082%	0.03%	0.0055%	0.02%
12/11/18	1	5	0.0082%	0.04%	0.0055%	0.03%
12/12/18	1	6	0.0082%	0.05%	0.0055%	0.03%
12/13/18	1	7	0.0082%	0.06%	0.0055%	0.04%
12/14/18	1	8	0.0082%	0.07%	0.0055%	0.04%
12/15/18	1	9	0.0082%	0.07%	0.0055%	0.05%
12/16/18	1	10	0.0082%	0.08%	0.0055%	0.05%
12/17/18	1	11	0.0082%	0.09%	0.0055%	0.06%
12/18/18	1	12	0.0082%	0.10%	0.0055%	0.07%
12/19/18	1	13	0.0082%	0.11%	0.0055%	0.07%
12/20/18	1	14	0.0082%	0.12%	0.0055%	0.08%
12/21/18	1	15	0.0082%	0.12%	0.0055%	0.08%
12/22/18	1	16	0.0082%	0.13%	0.0055%	0.09%
12/23/18	1	17	0.0082%	0.14%	0.0055%	0.09%
12/24/18	1	18	0.0082%	0.15%	0.0055%	0.10%
12/25/18	1	19	0.0082%	0.16%	0.0055%	0.10%
12/26/18	1	20	0.0082%	0.16%	0.0055%	0.11%
12/27/18	1	21	0.0082%	0.17%	0.0055%	0.12%
12/28/18	1	22	0.0082%	0.18%	0.0055%	0.12%
12/29/18	1	23	0.0082%	0.19%	0.0055%	0.13%
12/30/18	1	24	0.0082%	0.20%	0.0055%	0.13%
12/31/18	1	25	0.0082%	0.21%	0.0055%	0.14%
01/01/19	1	26	0.0082%	0.21%	0.0055%	0.14%
01/02/19	1	27	0.0082%	0.22%	0.0055%	0.15%
01/03/19	1	28	0.0082%	0.23%	0.0055%	0.15%
01/04/19	1	29	0.0082%	0.24%	0.0055%	0.16%
01/05/19	1	30	0.0082%	0.25%	0.0055%	0.16%
01/06/19	1	31	0.0082%	0.25%	0.0055%	0.17%
01/07/19	1	32	0.0082%	0.26%	0.0055%	0.18%
01/08/19	1	33	0.0082%	0.27%	0.0055%	0.18%
01/09/19	1	34	0.0082%	0.28%	0.0055%	0.19%
01/10/19	1	35	0.0082%	0.29%	0.0055%	0.19%
01/11/19	1	36	0.0082%	0.30%	0.0055%	0.20%
01/12/19	1	37	0.0082%	0.30%	0.0055%	0.20%
01/13/19	1	38	0.0082%	0.31%	0.0055%	0.21%
01/14/19	1	39	0.0082%	0.32%	0.0055%	0.21%
01/15/19	1	40	0.0082%	0.33%	0.0055%	0.22%
01/16/19	1	41	0.0082%	0.34%	0.0055%	0.22%
01/17/19	1	42	0.0082%	0.35%	0.0055%	0.23%
01/18/19	1	43	0.0082%	0.35%	0.0055%	0.24%
01/19/19	1	44	0.0082%	0.36%	0.0055%	0.24%
01/20/19	1	45	0.0082%	0.37%	0.0055%	0.25%
01/21/19	1	46	0.0082%	0.38%	0.0055%	0.25%
01/22/19	1	47	0.0082%	0.39%	0.0055%	0.26%
01/23/19	1	48	0.0082%	0.39%	0.0055%	0.26%
01/24/19	1	49	0.0082%	0.40%	0.0055%	0.27%
01/25/19	1	50	0.0082%	0.41%	0.0055%	0.27%
01/26/19	1	51	0.0082%	0.42%	0.0055%	0.28%
01/27/19	1	52	0.0082%	0.43%	0.0055%	0.28%
01/28/19	1	53	0.0082%	0.44%	0.0055%	0.29%
01/29/19	1	54	0.0082%	0.44%	0.0055%	0.30%
01/30/19	1	55	0.0082%	0.45%	0.0055%	0.30%
01/31/19	1	56	0.0082%	0.46%	0.0055%	0.31%
02/01/19	1	57	0.0082%	0.47%	0.0055%	0.31%
02/02/19	1	58	0.0082%	0.48%	0.0055%	0.32%
02/03/19	1	59	0.0082%	0.48%	0.0055%	0.32%
02/04/19	1	60	0.0082%	0.49%	0.0055%	0.33%
02/05/19	1	61	0.0082%	0.50%	0.0055%	0.33%
02/06/19	1	62	0.0082%	0.51%	0.0055%	0.34%
02/07/19	1	63	0.0082%	0.52%	0.0055%	0.35%
02/08/19	1	64	0.0082%	0.53%	0.0055%	0.35%
02/09/19	1	65	0.0082%	0.53%	0.0055%	0.36%
02/10/19	1	66	0.0082%	0.54%	0.0055%	0.36%
02/11/19	1	67	0.0082%	0.55%	0.0055%	0.37%
02/12/19	1	68	0.0082%	0.56%	0.0055%	0.37%
02/13/19	1	69	0.0082%	0.57%	0.0055%	0.38%
02/14/19	1	70	0.0082%	0.58%	0.0055%	0.38%
02/15/19	1	71	0.0082%	0.58%	0.0055%	0.39%
02/16/19	1	72	0.0082%	0.59%	0.0055%	0.39%
02/17/19	1	73	0.0082%	0.60%	0.0055%	0.40%
02/18/19	1	74	0.0082%	0.61%	0.0055%	0.41%
02/19/19	1	75	0.0082%	0.62%	0.0055%	0.41%
02/20/19	1	76	0.0082%	0.62%	0.0055%	0.42%
02/21/19	1	77	0.0082%	0.63%	0.0055%	0.42%
02/22/19	1	78	0.0082%	0.64%	0.0055%	0.43%
02/23/19	1	79	0.0082%	0.65%	0.0055%	0.43%
02/24/19	1	80	0.0082%	0.66%	0.0055%	0.44%
02/25/19	1	81	0.0082%	0.67%	0.0055%	0.44%
02/26/19	1	82	0.0082%	0.67%	0.0055%	0.45%
02/27/19	1	83	0.0082%	0.68%	0.0055%	0.45%
02/28/19	1	84	0.0082%	0.69%	0.0055%	0.46%
03/01/19	1	85	0.0082%	0.70%	0.0055%	0.47%
03/02/19	1	86	0.0082%	0.71%	0.0055%	0.47%
03/03/19	1	87	0.0082%	0.72%	0.0055%	0.48%
03/04/19	1	88	0.0082%	0.72%	0.0055%	0.48%
03/05/19	1	89	0.0082%	0.73%	0.0055%	0.49%
03/06/19	1	90	0.0082%	0.74%	0.0055%	0.49%
03/07/19	1	91	0.0082%	0.75%	0.0055%	0.50%
03/08/19	1	92	0.0082%	0.76%	0.0055%	0.50%
03/09/19	1	93	0.0082%	0.76%	0.0055%	0.51%
03/10/19	1	94	0.0082%	0.77%	0.0055%	0.52%
03/11/19	1	95	0.0082%	0.78%	0.0055%	0.52%
03/12/19	1	96	0.0082%	0.79%	0.0055%	0.53%
03/13/19	1	97	0.0082%	0.80%	0.0055%	0.53%
03/14/19	1	98	0.0082%	0.81%	0.0055%	0.54%
03/15/19	1	99	0.0082%	0.81%	0.0055%	0.54%
03/16/19	1	100	0.0082%	0.82%	0.0055%	0.55%
03/17/19	1	101	0.0082%	0.83%	0.0055%	0.55%
03/18/19	1	102	0.0082%	0.84%	0.0055%	0.56%
03/19/19	1	103	0.0082%	0.85%	0.0055%	0.56%
03/20/19	1	104	0.0082%	0.85%	0.0055%	0.57%
03/21/19	1	105	0.0082%	0.86%	0.0055%	0.58%
03/22/19	1	106	0.0082%	0.87%	0.0055%	0.58%
03/23/19	1	107	0.0082%	0.88%	0.0055%	0.59%

03/24/19	1	108	0.0082%	0.89%	0.0055%	0.59%
03/25/19	1	109	0.0082%	0.90%	0.0055%	0.60%
03/26/19	1	110	0.0082%	0.90%	0.0055%	0.60%
03/27/19	1	111	0.0082%	0.91%	0.0055%	0.61%
03/28/19	1	112	0.0082%	0.92%	0.0055%	0.61%
03/29/19	1	113	0.0082%	0.93%	0.0055%	0.62%
03/30/19	1	114	0.0082%	0.94%	0.0055%	0.62%
03/31/19	1	115	0.0082%	0.95%	0.0055%	0.63%
04/01/19	1	116	0.0082%	0.95%	0.0055%	0.64%
04/02/19	1	117	0.0082%	0.96%	0.0055%	0.64%
04/03/19	1	118	0.0082%	0.97%	0.0055%	0.65%
04/04/19	1	119	0.0082%	0.98%	0.0055%	0.65%
04/05/19	1	120	0.0082%	0.99%	0.0055%	0.66%
04/06/19	1	121	0.0082%	0.99%	0.0055%	0.66%
04/07/19	1	122	0.0082%	1.00%	0.0055%	0.67%
04/08/19	1	123	0.0082%	1.01%	0.0055%	0.67%
04/09/19	1	124	0.0082%	1.02%	0.0055%	0.68%
04/10/19	1	125	0.0082%	1.03%	0.0055%	0.68%
04/11/19	1	126	0.0082%	1.04%	0.0055%	0.69%
04/12/19	1	127	0.0082%	1.04%	0.0055%	0.70%
04/13/19	1	128	0.0082%	1.05%	0.0055%	0.70%
04/14/19	1	129	0.0082%	1.06%	0.0055%	0.71%
04/15/19	1	130	0.0082%	1.07%	0.0055%	0.71%
04/16/19	1	131	0.0082%	1.08%	0.0055%	0.72%
04/17/19	1	132	0.0082%	1.08%	0.0055%	0.72%
04/18/19	1	133	0.0082%	1.09%	0.0055%	0.73%
04/19/19	1	134	0.0082%	1.10%	0.0055%	0.73%
04/20/19	1	135	0.0082%	1.11%	0.0055%	0.74%
04/21/19	1	136	0.0082%	1.12%	0.0055%	0.75%
04/22/19	1	137	0.0082%	1.13%	0.0055%	0.75%
04/23/19	1	138	0.0082%	1.13%	0.0055%	0.76%
04/24/19	1	139	0.0082%	1.14%	0.0055%	0.76%
04/25/19	1	140	0.0082%	1.15%	0.0055%	0.77%
04/26/19	1	141	0.0082%	1.16%	0.0055%	0.77%
04/27/19	1	142	0.0082%	1.17%	0.0055%	0.78%
04/28/19	1	143	0.0082%	1.18%	0.0055%	0.78%
04/29/19	1	144	0.0082%	1.18%	0.0055%	0.79%
04/30/19	1	145	0.0082%	1.19%	0.0055%	0.79%
05/01/19	1	146	0.0082%	1.20%	0.0055%	0.80%
05/02/19	1	147	0.0082%	1.21%	0.0055%	0.81%
05/03/19	1	148	0.0082%	1.22%	0.0055%	0.81%
05/04/19	1	149	0.0082%	1.22%	0.0055%	0.82%
05/05/19	1	150	0.0082%	1.23%	0.0055%	0.82%
05/06/19	1	151	0.0082%	1.24%	0.0055%	0.83%
05/07/19	1	152	0.0082%	1.25%	0.0055%	0.83%
05/08/19	1	153	0.0082%	1.26%	0.0055%	0.84%
05/09/19	1	154	0.0082%	1.27%	0.0055%	0.84%
05/10/19	1	155	0.0082%	1.27%	0.0055%	0.85%
05/11/19	1	156	0.0082%	1.28%	0.0055%	0.85%
05/12/19	1	157	0.0082%	1.29%	0.0055%	0.86%
05/13/19	1	158	0.0082%	1.30%	0.0055%	0.87%
05/14/19	1	159	0.0082%	1.31%	0.0055%	0.87%
05/15/19	1	160	0.0082%	1.32%	0.0055%	0.88%
05/16/19	1	161	0.0082%	1.32%	0.0055%	0.88%
05/17/19	1	162	0.0082%	1.33%	0.0055%	0.89%
05/18/19	1	163	0.0082%	1.34%	0.0055%	0.89%
05/19/19	1	164	0.0082%	1.35%	0.0055%	0.90%
05/20/19	1	165	0.0082%	1.36%	0.0055%	0.90%
05/21/19	1	166	0.0082%	1.36%	0.0055%	0.91%
05/22/19	1	167	0.0082%	1.37%	0.0055%	0.92%
05/23/19	1	168	0.0082%	1.38%	0.0055%	0.92%
05/24/19	1	169	0.0082%	1.39%	0.0055%	0.93%
05/25/19	1	170	0.0082%	1.40%	0.0055%	0.93%
05/26/19	1	171	0.0082%	1.41%	0.0055%	0.94%
05/27/19	1	172	0.0082%	1.41%	0.0055%	0.94%
05/28/19	1	173	0.0082%	1.42%	0.0055%	0.95%
05/29/19	1	174	0.0082%	1.43%	0.0055%	0.95%
05/30/19	1	175	0.0082%	1.44%	0.0055%	0.96%
05/31/19	1	176	0.0082%	1.45%	0.0055%	0.96%
06/01/19	1	177	0.0082%	1.45%	0.0055%	0.97%
06/02/19	1	178	0.0082%	1.46%	0.0055%	0.98%
06/03/19	1	179	0.0082%	1.47%	0.0055%	0.98%
06/04/19	1	180	0.0082%	1.48%	0.0055%	0.99%
06/05/19	1	181	0.0082%	1.49%	0.0055%	0.99%
06/06/19	1	182	0.0082%	1.50%	0.0055%	1.00%
06/07/19	1	183	0.0082%	1.50%	0.0055%	1.00%
06/08/19	1	184	0.0082%	1.51%	0.0055%	1.01%
06/09/19	1	185	0.0082%	1.52%	0.0055%	1.01%
06/10/19	1	186	0.0082%	1.53%	0.0055%	1.02%
06/11/19	1	187	0.0082%	1.54%	0.0055%	1.02%
06/12/19	1	188	0.0082%	1.55%	0.0055%	1.03%
06/13/19	1	189	0.0082%	1.55%	0.0055%	1.04%
06/14/19	1	190	0.0082%	1.56%	0.0055%	1.04%
06/15/19	1	191	0.0082%	1.57%	0.0055%	1.05%
06/16/19	1	192	0.0082%	1.58%	0.0055%	1.05%
06/17/19	1	193	0.0082%	1.59%	0.0055%	1.06%
06/18/19	1	194	0.0082%	1.59%	0.0055%	1.06%
06/19/19	1	195	0.0082%	1.60%	0.0055%	1.07%
06/20/19	1	196	0.0082%	1.61%	0.0055%	1.07%
06/21/19	1	197	0.0082%	1.62%	0.0055%	1.08%
06/22/19	1	198	0.0082%	1.63%	0.0055%	1.08%
06/23/19	1	199	0.0082%	1.64%	0.0055%	1.09%
06/24/19	1	200	0.0082%	1.64%	0.0055%	1.10%
06/25/19	1	201	0.0082%	1.65%	0.0055%	1.10%
06/26/19	1	202	0.0082%	1.66%	0.0055%	1.11%
06/27/19	1	203	0.0082%	1.67%	0.0055%	1.11%
06/28/19	1	204	0.0082%	1.68%	0.0055%	1.12%
06/29/19	1	205	0.0082%	1.68%	0.0055%	1.12%
06/30/19	1	206	0.0082%	1.69%	0.0055%	1.13%
07/01/19	1	207	0.0082%	1.70%	0.0055%	1.13%
07/02/19	1	208	0.0082%	1.71%	0.0055%	1.14%
07/03/19	1	209	0.0082%	1.72%	0.0055%	1.15%
07/04/19	1	210	0.0082%	1.73%	0.0055%	1.15%
07/05/19	1	211	0.0082%	1.73%	0.0055%	1.16%
07/06/19	1	212	0.0082%	1.74%	0.0055%	1.16%
07/07/19	1	213	0.0082%	1.75%	0.0055%	1.17%
07/08/19	1	214	0.0082%	1.76%	0.0055%	1.17%
07/09/19	1	215	0.0082%	1.77%	0.0055%	1.18%
07/10/19	1	216	0.0082%	1.78%	0.0055%	1.18%

07/11/19	1	217	0.0082%	1.78%	0.0055%	1.19%
07/12/19	1	218	0.0082%	1.79%	0.0055%	1.19%
07/13/19	1	219	0.0082%	1.80%	0.0055%	1.20%
07/14/19	1	220	0.0082%	1.81%	0.0055%	1.21%
07/15/19	1	221	0.0082%	1.82%	0.0055%	1.21%
07/16/19	1	222	0.0082%	1.82%	0.0055%	1.22%
07/17/19	1	223	0.0082%	1.83%	0.0055%	1.22%
07/18/19	1	224	0.0082%	1.84%	0.0055%	1.23%
07/19/19	1	225	0.0082%	1.85%	0.0055%	1.23%
07/20/19	1	226	0.0082%	1.86%	0.0055%	1.24%
07/21/19	1	227	0.0082%	1.87%	0.0055%	1.24%
07/22/19	1	228	0.0082%	1.87%	0.0055%	1.25%
07/23/19	1	229	0.0082%	1.88%	0.0055%	1.25%
07/24/19	1	230	0.0082%	1.89%	0.0055%	1.26%
07/25/19	1	231	0.0082%	1.90%	0.0055%	1.27%
07/26/19	1	232	0.0082%	1.91%	0.0055%	1.27%
07/27/19	1	233	0.0082%	1.92%	0.0055%	1.28%
07/28/19	1	234	0.0082%	1.92%	0.0055%	1.28%
07/29/19	1	235	0.0082%	1.93%	0.0055%	1.29%
07/30/19	1	236	0.0082%	1.94%	0.0055%	1.29%
07/31/19	1	237	0.0082%	1.95%	0.0055%	1.30%
08/01/19	1	238	0.0082%	1.96%	0.0055%	1.30%
08/02/19	1	239	0.0082%	1.96%	0.0055%	1.31%
08/03/19	1	240	0.0082%	1.97%	0.0055%	1.32%
08/04/19	1	241	0.0082%	1.98%	0.0055%	1.32%
08/05/19	1	242	0.0082%	1.99%	0.0055%	1.33%
08/06/19	1	243	0.0082%	2.00%	0.0055%	1.33%
08/07/19	1	244	0.0082%	2.01%	0.0055%	1.34%
08/08/19	1	245	0.0082%	2.01%	0.0055%	1.34%
08/09/19	1	246	0.0082%	2.02%	0.0055%	1.35%
08/10/19	1	247	0.0082%	2.03%	0.0055%	1.35%
08/11/19	1	248	0.0082%	2.04%	0.0055%	1.36%
08/12/19	1	249	0.0082%	2.05%	0.0055%	1.36%
08/13/19	1	250	0.0082%	2.05%	0.0055%	1.37%
08/14/19	1	251	0.0082%	2.06%	0.0055%	1.38%
08/15/19	1	252	0.0082%	2.07%	0.0055%	1.38%
08/16/19	1	253	0.0082%	2.08%	0.0055%	1.39%
08/17/19	1	254	0.0082%	2.09%	0.0055%	1.39%
08/18/19	1	255	0.0082%	2.10%	0.0055%	1.40%
08/19/19	1	256	0.0082%	2.10%	0.0055%	1.40%
08/20/19	1	257	0.0082%	2.11%	0.0055%	1.41%
08/21/19	1	258	0.0082%	2.12%	0.0055%	1.41%
08/22/19	1	259	0.0082%	2.13%	0.0055%	1.42%
08/23/19	1	260	0.0082%	2.14%	0.0055%	1.42%
08/24/19	1	261	0.0082%	2.15%	0.0055%	1.43%
08/25/19	1	262	0.0082%	2.15%	0.0055%	1.44%
08/26/19	1	263	0.0082%	2.16%	0.0055%	1.44%
08/27/19	1	264	0.0082%	2.17%	0.0055%	1.45%
08/28/19	1	265	0.0082%	2.18%	0.0055%	1.45%
08/29/19	1	266	0.0082%	2.19%	0.0055%	1.46%
08/30/19	1	267	0.0082%	2.19%	0.0055%	1.46%
08/31/19	1	268	0.0082%	2.20%	0.0055%	1.47%
09/01/19	1	269	0.0082%	2.21%	0.0055%	1.47%
09/02/19	1	270	0.0082%	2.22%	0.0055%	1.48%
09/03/19	1	271	0.0082%	2.23%	0.0055%	1.48%
09/04/19	1	272	0.0082%	2.24%	0.0055%	1.49%
09/05/19	1	273	0.0082%	2.24%	0.0055%	1.50%
09/06/19	1	274	0.0082%	2.25%	0.0055%	1.50%
09/07/19	1	275	0.0082%	2.26%	0.0055%	1.51%
09/08/19	1	276	0.0082%	2.27%	0.0055%	1.51%
09/09/19	1	277	0.0082%	2.28%	0.0055%	1.52%
09/10/19	1	278	0.0082%	2.28%	0.0055%	1.52%
09/11/19	1	279	0.0082%	2.29%	0.0055%	1.53%
09/12/19	1	280	0.0082%	2.30%	0.0055%	1.53%
09/13/19	1	281	0.0082%	2.31%	0.0055%	1.54%
09/14/19	1	282	0.0082%	2.32%	0.0055%	1.55%
09/15/19	1	283	0.0082%	2.33%	0.0055%	1.55%
09/16/19	1	284	0.0082%	2.33%	0.0055%	1.56%
09/17/19	1	285	0.0082%	2.34%	0.0055%	1.56%
09/18/19	1	286	0.0082%	2.35%	0.0055%	1.57%
09/19/19	1	287	0.0082%	2.36%	0.0055%	1.57%
09/20/19	1	288	0.0082%	2.37%	0.0055%	1.58%
09/21/19	1	289	0.0082%	2.38%	0.0055%	1.58%
09/22/19	1	290	0.0082%	2.38%	0.0055%	1.59%
09/23/19	1	291	0.0082%	2.39%	0.0055%	1.59%
09/24/19	1	292	0.0082%	2.40%	0.0055%	1.60%
09/25/19	1	293	0.0082%	2.41%	0.0055%	1.61%
09/26/19	1	294	0.0082%	2.42%	0.0055%	1.61%
09/27/19	1	295	0.0082%	2.42%	0.0055%	1.62%
09/28/19	1	296	0.0082%	2.43%	0.0055%	1.62%
09/29/19	1	297	0.0082%	2.44%	0.0055%	1.63%
09/30/19	1	298	0.0082%	2.45%	0.0055%	1.63%
10/01/19	1	299	0.0082%	2.46%	0.0055%	1.64%
10/02/19	1	300	0.0082%	2.47%	0.0055%	1.64%
10/03/19	1	301	0.0082%	2.47%	0.0055%	1.65%
10/04/19	1	302	0.0082%	2.48%	0.0055%	1.65%
10/05/19	1	303	0.0082%	2.49%	0.0055%	1.66%
10/06/19	1	304	0.0082%	2.50%	0.0055%	1.67%
10/07/19	1	305	0.0082%	2.51%	0.0055%	1.67%
10/08/19	1	306	0.0082%	2.52%	0.0055%	1.68%
10/09/19	1	307	0.0082%	2.52%	0.0055%	1.68%
10/10/19	1	308	0.0082%	2.53%	0.0055%	1.69%
10/11/19	1	309	0.0082%	2.54%	0.0055%	1.69%
10/12/19	1	310	0.0082%	2.55%	0.0055%	1.70%
10/13/19	1	311	0.0082%	2.56%	0.0055%	1.70%
10/14/19	1	312	0.0082%	2.56%	0.0055%	1.71%
10/15/19	1	313	0.0082%	2.57%	0.0055%	1.72%
10/16/19	1	314	0.0082%	2.58%	0.0055%	1.72%
10/17/19	1	315	0.0082%	2.59%	0.0055%	1.73%
10/18/19	1	316	0.0082%	2.60%	0.0055%	1.73%
10/19/19	1	317	0.0082%	2.61%	0.0055%	1.74%
10/20/19	1	318	0.0082%	2.61%	0.0055%	1.74%
10/21/19	1	319	0.0082%	2.62%	0.0055%	1.75%
10/22/19	1	320	0.0082%	2.63%	0.0055%	1.75%
10/23/19	1	321	0.0082%	2.64%	0.0055%	1.76%
10/24/19	1	322	0.0082%	2.65%	0.0055%	1.76%
10/25/19	1	323	0.0082%	2.65%	0.0055%	1.77%
10/26/19	1	324	0.0082%	2.66%	0.0055%	1.78%
10/27/19	1	325	0.0082%	2.67%	0.0055%	1.78%

10/28/19	1	326	0.0082%	2.68%	0.0055%	1.79%
10/29/19	1	327	0.0082%	2.69%	0.0055%	1.79%
10/30/19	1	328	0.0082%	2.70%	0.0055%	1.80%
10/31/19	1	329	0.0082%	2.70%	0.0055%	1.80%
11/01/19	1	330	0.0082%	2.71%	0.0055%	1.81%
11/02/19	1	331	0.0082%	2.72%	0.0055%	1.81%
11/03/19	1	332	0.0082%	2.73%	0.0055%	1.82%
11/04/19	1	333	0.0082%	2.74%	0.0055%	1.82%
11/05/19	1	334	0.0082%	2.75%	0.0055%	1.83%
11/06/19	1	335	0.0082%	2.75%	0.0055%	1.84%
11/07/19	1	336	0.0082%	2.76%	0.0055%	1.84%
11/08/19	1	337	0.0082%	2.77%	0.0055%	1.85%
11/09/19	1	338	0.0082%	2.78%	0.0055%	1.85%
11/10/19	1	339	0.0082%	2.79%	0.0055%	1.86%
11/11/19	1	340	0.0082%	2.79%	0.0055%	1.86%
11/12/19	1	341	0.0082%	2.80%	0.0055%	1.87%
11/13/19	1	342	0.0082%	2.81%	0.0055%	1.87%
11/14/19	1	343	0.0082%	2.82%	0.0055%	1.88%
11/15/19	1	344	0.0082%	2.83%	0.0055%	1.88%
11/16/19	1	345	0.0082%	2.84%	0.0055%	1.89%
11/17/19	1	346	0.0082%	2.84%	0.0055%	1.90%
11/18/19	1	347	0.0082%	2.85%	0.0055%	1.90%
11/19/19	1	348	0.0082%	2.86%	0.0055%	1.91%
11/20/19	1	349	0.0082%	2.87%	0.0055%	1.91%
11/21/19	1	350	0.0082%	2.88%	0.0055%	1.92%
11/22/19	1	351	0.0082%	2.88%	0.0055%	1.92%
11/23/19	1	352	0.0082%	2.89%	0.0055%	1.93%
11/24/19	1	353	0.0082%	2.90%	0.0055%	1.93%
11/25/19	1	354	0.0082%	2.91%	0.0055%	1.94%
11/26/19	1	355	0.0082%	2.92%	0.0055%	1.95%
11/27/19	1	356	0.0082%	2.93%	0.0055%	1.95%
11/28/19	1	357	0.0082%	2.93%	0.0055%	1.96%
11/29/19	1	358	0.0082%	2.94%	0.0055%	1.96%
11/30/19	1	359	0.0082%	2.95%	0.0055%	1.97%
12/01/19	1	360	0.0082%	2.96%	0.0055%	1.97%
12/02/19	1	361	0.0082%	2.97%	0.0055%	1.98%
12/03/19	1	362	0.0082%	2.98%	0.0055%	1.98%
12/04/19	1	363	0.0082%	2.98%	0.0055%	1.99%
12/05/19	1	364	0.0082%	2.99%	0.0055%	1.99%
12/06/19	1	365	0.0082%	3.00%	0.0055%	2.00%
Check	1			3.00%		2.00%

12/07/19	2	1	0.0085%	3.01%	0.0056%	2.01%
12/08/19	2	2	0.0085%	3.02%	0.0056%	2.01%
12/09/19	2	3	0.0085%	3.03%	0.0056%	2.02%
12/10/19	2	4	0.0085%	3.03%	0.0056%	2.02%
12/11/19	2	5	0.0085%	3.04%	0.0056%	2.03%
12/12/19	2	6	0.0085%	3.05%	0.0056%	2.03%
12/13/19	2	7	0.0085%	3.06%	0.0056%	2.04%
12/14/19	2	8	0.0085%	3.07%	0.0056%	2.04%
12/15/19	2	9	0.0085%	3.08%	0.0056%	2.05%
12/16/19	2	10	0.0085%	3.08%	0.0056%	2.06%
12/17/19	2	11	0.0085%	3.09%	0.0056%	2.06%
12/18/19	2	12	0.0085%	3.10%	0.0056%	2.07%
12/19/19	2	13	0.0085%	3.11%	0.0056%	2.07%
12/20/19	2	14	0.0085%	3.12%	0.0056%	2.08%
12/21/19	2	15	0.0085%	3.13%	0.0056%	2.08%
12/22/19	2	16	0.0085%	3.14%	0.0056%	2.09%
12/23/19	2	17	0.0085%	3.14%	0.0056%	2.10%
12/24/19	2	18	0.0085%	3.15%	0.0056%	2.10%
12/25/19	2	19	0.0085%	3.16%	0.0056%	2.11%
12/26/19	2	20	0.0085%	3.17%	0.0056%	2.11%
12/27/19	2	21	0.0085%	3.18%	0.0056%	2.12%
12/28/19	2	22	0.0085%	3.19%	0.0056%	2.12%
12/29/19	2	23	0.0085%	3.19%	0.0056%	2.13%
12/30/19	2	24	0.0085%	3.20%	0.0056%	2.13%
12/31/19	2	25	0.0085%	3.21%	0.0056%	2.14%
01/01/20	2	26	0.0085%	3.22%	0.0056%	2.15%
01/02/20	2	27	0.0085%	3.23%	0.0056%	2.15%
01/03/20	2	28	0.0085%	3.24%	0.0056%	2.16%
01/04/20	2	29	0.0085%	3.25%	0.0056%	2.16%
01/05/20	2	30	0.0085%	3.25%	0.0056%	2.17%
01/06/20	2	31	0.0085%	3.26%	0.0056%	2.17%
01/07/20	2	32	0.0085%	3.27%	0.0056%	2.18%
01/08/20	2	33	0.0085%	3.28%	0.0056%	2.18%
01/09/20	2	34	0.0085%	3.29%	0.0056%	2.19%
01/10/20	2	35	0.0085%	3.30%	0.0056%	2.20%
01/11/20	2	36	0.0085%	3.30%	0.0056%	2.20%
01/12/20	2	37	0.0085%	3.31%	0.0056%	2.21%
01/13/20	2	38	0.0085%	3.32%	0.0056%	2.21%
01/14/20	2	39	0.0085%	3.33%	0.0056%	2.22%
01/15/20	2	40	0.0085%	3.34%	0.0056%	2.22%
01/16/20	2	41	0.0085%	3.35%	0.0056%	2.23%
01/17/20	2	42	0.0085%	3.36%	0.0056%	2.23%
01/18/20	2	43	0.0085%	3.36%	0.0056%	2.24%
01/19/20	2	44	0.0085%	3.37%	0.0056%	2.25%
01/20/20	2	45	0.0085%	3.38%	0.0056%	2.25%
01/21/20	2	46	0.0085%	3.39%	0.0056%	2.26%
01/22/20	2	47	0.0085%	3.40%	0.0056%	2.26%
01/23/20	2	48	0.0085%	3.41%	0.0056%	2.27%
01/24/20	2	49	0.0085%	3.41%	0.0056%	2.27%
01/25/20	2	50	0.0085%	3.42%	0.0056%	2.28%
01/26/20	2	51	0.0085%	3.43%	0.0056%	2.29%
01/27/20	2	52	0.0085%	3.44%	0.0056%	2.29%
01/28/20	2	53	0.0085%	3.45%	0.0056%	2.30%
01/29/20	2	54	0.0085%	3.46%	0.0056%	2.30%
01/30/20	2	55	0.0085%	3.47%	0.0056%	2.31%
01/31/20	2	56	0.0085%	3.47%	0.0056%	2.31%
02/01/20	2	57	0.0085%	3.48%	0.0056%	2.32%
02/02/20	2	58	0.0085%	3.49%	0.0056%	2.32%
02/03/20	2	59	0.0085%	3.50%	0.0056%	2.33%
02/04/20	2	60	0.0085%	3.51%	0.0056%	2.34%
02/05/20	2	61	0.0085%	3.52%	0.0056%	2.34%
02/06/20	2	62	0.0085%	3.52%	0.0056%	2.35%
02/07/20	2	63	0.0085%	3.53%	0.0056%	2.35%
02/08/20	2	64	0.0085%	3.54%	0.0056%	2.36%
02/09/20	2	65	0.0085%	3.55%	0.0056%	2.36%
02/10/20	2	66	0.0085%	3.56%	0.0056%	2.37%
02/11/20	2	67	0.0085%	3.57%	0.0056%	2.37%

02/12/20	2	68	0.0085%	3.58%	0.0056%	2.38%
02/13/20	2	69	0.0085%	3.58%	0.0056%	2.39%
02/14/20	2	70	0.0085%	3.59%	0.0056%	2.39%
02/15/20	2	71	0.0085%	3.60%	0.0056%	2.40%
02/16/20	2	72	0.0085%	3.61%	0.0056%	2.40%
02/17/20	2	73	0.0085%	3.62%	0.0056%	2.41%
02/18/20	2	74	0.0085%	3.63%	0.0056%	2.41%
02/19/20	2	75	0.0085%	3.63%	0.0056%	2.42%
02/20/20	2	76	0.0085%	3.64%	0.0056%	2.42%
02/21/20	2	77	0.0085%	3.65%	0.0056%	2.43%
02/22/20	2	78	0.0085%	3.66%	0.0056%	2.44%
02/23/20	2	79	0.0085%	3.67%	0.0056%	2.44%
02/24/20	2	80	0.0085%	3.68%	0.0056%	2.45%
02/25/20	2	81	0.0085%	3.69%	0.0056%	2.45%
02/26/20	2	82	0.0085%	3.69%	0.0056%	2.46%
02/27/20	2	83	0.0085%	3.70%	0.0056%	2.46%
02/28/20	2	84	0.0085%	3.71%	0.0056%	2.47%
02/29/20	2	85	0.0085%	3.72%	0.0056%	2.48%
03/01/20	2	86	0.0085%	3.73%	0.0056%	2.48%
03/02/20	2	87	0.0085%	3.74%	0.0056%	2.49%
03/03/20	2	88	0.0085%	3.74%	0.0056%	2.49%
03/04/20	2	89	0.0085%	3.75%	0.0056%	2.50%
03/05/20	2	90	0.0085%	3.76%	0.0056%	2.50%
03/06/20	2	91	0.0085%	3.77%	0.0056%	2.51%
03/07/20	2	92	0.0085%	3.78%	0.0056%	2.51%
03/08/20	2	93	0.0085%	3.79%	0.0056%	2.52%
03/09/20	2	94	0.0085%	3.80%	0.0056%	2.53%
03/10/20	2	95	0.0085%	3.80%	0.0056%	2.53%
03/11/20	2	96	0.0085%	3.81%	0.0056%	2.54%
03/12/20	2	97	0.0085%	3.82%	0.0056%	2.54%
03/13/20	2	98	0.0085%	3.83%	0.0056%	2.55%
03/14/20	2	99	0.0085%	3.84%	0.0056%	2.55%
03/15/20	2	100	0.0085%	3.85%	0.0056%	2.56%
03/16/20	2	101	0.0085%	3.86%	0.0056%	2.56%
03/17/20	2	102	0.0085%	3.86%	0.0056%	2.57%
03/18/20	2	103	0.0085%	3.87%	0.0056%	2.58%
03/19/20	2	104	0.0085%	3.88%	0.0056%	2.58%
03/20/20	2	105	0.0085%	3.89%	0.0056%	2.59%
03/21/20	2	106	0.0085%	3.90%	0.0056%	2.59%
03/22/20	2	107	0.0085%	3.91%	0.0056%	2.60%
03/23/20	2	108	0.0085%	3.91%	0.0056%	2.60%
03/24/20	2	109	0.0085%	3.92%	0.0056%	2.61%
03/25/20	2	110	0.0085%	3.93%	0.0056%	2.61%
03/26/20	2	111	0.0085%	3.94%	0.0056%	2.62%
03/27/20	2	112	0.0085%	3.95%	0.0056%	2.63%
03/28/20	2	113	0.0085%	3.96%	0.0056%	2.63%
03/29/20	2	114	0.0085%	3.97%	0.0056%	2.64%
03/30/20	2	115	0.0085%	3.97%	0.0056%	2.64%
03/31/20	2	116	0.0085%	3.98%	0.0056%	2.65%
04/01/20	2	117	0.0085%	3.99%	0.0056%	2.65%
04/02/20	2	118	0.0085%	4.00%	0.0056%	2.66%
04/03/20	2	119	0.0085%	4.01%	0.0056%	2.67%
04/04/20	2	120	0.0085%	4.02%	0.0056%	2.67%
04/05/20	2	121	0.0085%	4.02%	0.0056%	2.68%
04/06/20	2	122	0.0085%	4.03%	0.0056%	2.68%
04/07/20	2	123	0.0085%	4.04%	0.0056%	2.69%
04/08/20	2	124	0.0085%	4.05%	0.0056%	2.69%
04/09/20	2	125	0.0085%	4.06%	0.0056%	2.70%
04/10/20	2	126	0.0085%	4.07%	0.0056%	2.70%
04/11/20	2	127	0.0085%	4.08%	0.0056%	2.71%
04/12/20	2	128	0.0085%	4.08%	0.0056%	2.72%
04/13/20	2	129	0.0085%	4.09%	0.0056%	2.72%
04/14/20	2	130	0.0085%	4.10%	0.0056%	2.73%
04/15/20	2	131	0.0085%	4.11%	0.0056%	2.73%
04/16/20	2	132	0.0085%	4.12%	0.0056%	2.74%
04/17/20	2	133	0.0085%	4.13%	0.0056%	2.74%
04/18/20	2	134	0.0085%	4.13%	0.0056%	2.75%
04/19/20	2	135	0.0085%	4.14%	0.0056%	2.75%
04/20/20	2	136	0.0085%	4.15%	0.0056%	2.76%
04/21/20	2	137	0.0085%	4.16%	0.0056%	2.77%
04/22/20	2	138	0.0085%	4.17%	0.0056%	2.77%
04/23/20	2	139	0.0085%	4.18%	0.0056%	2.78%
04/24/20	2	140	0.0085%	4.19%	0.0056%	2.78%
04/25/20	2	141	0.0085%	4.19%	0.0056%	2.79%
04/26/20	2	142	0.0085%	4.20%	0.0056%	2.79%
04/27/20	2	143	0.0085%	4.21%	0.0056%	2.80%
04/28/20	2	144	0.0085%	4.22%	0.0056%	2.80%
04/29/20	2	145	0.0085%	4.23%	0.0056%	2.81%
04/30/20	2	146	0.0085%	4.24%	0.0056%	2.82%
05/01/20	2	147	0.0085%	4.24%	0.0056%	2.82%
05/02/20	2	148	0.0085%	4.25%	0.0056%	2.83%
05/03/20	2	149	0.0085%	4.26%	0.0056%	2.83%
05/04/20	2	150	0.0085%	4.27%	0.0056%	2.84%
05/05/20	2	151	0.0085%	4.28%	0.0056%	2.84%
05/06/20	2	152	0.0085%	4.29%	0.0056%	2.85%
05/07/20	2	153	0.0085%	4.30%	0.0056%	2.86%
05/08/20	2	154	0.0085%	4.30%	0.0056%	2.86%
05/09/20	2	155	0.0085%	4.31%	0.0056%	2.87%
05/10/20	2	156	0.0085%	4.32%	0.0056%	2.87%
05/11/20	2	157	0.0085%	4.33%	0.0056%	2.88%
05/12/20	2	158	0.0085%	4.34%	0.0056%	2.88%
05/13/20	2	159	0.0085%	4.35%	0.0056%	2.89%
05/14/20	2	160	0.0085%	4.35%	0.0056%	2.89%
05/15/20	2	161	0.0085%	4.36%	0.0056%	2.90%
05/16/20	2	162	0.0085%	4.37%	0.0056%	2.91%
05/17/20	2	163	0.0085%	4.38%	0.0056%	2.91%
05/18/20	2	164	0.0085%	4.39%	0.0056%	2.92%
05/19/20	2	165	0.0085%	4.40%	0.0056%	2.92%
05/20/20	2	166	0.0085%	4.41%	0.0056%	2.93%
05/21/20	2	167	0.0085%	4.41%	0.0056%	2.93%
05/22/20	2	168	0.0085%	4.42%	0.0056%	2.94%
05/23/20	2	169	0.0085%	4.43%	0.0056%	2.94%
05/24/20	2	170	0.0085%	4.44%	0.0056%	2.95%
05/25/20	2	171	0.0085%	4.45%	0.0056%	2.96%
05/26/20	2	172	0.0085%	4.46%	0.0056%	2.96%
05/27/20	2	173	0.0085%	4.46%	0.0056%	2.97%
05/28/20	2	174	0.0085%	4.47%	0.0056%	2.97%
05/29/20	2	175	0.0085%	4.48%	0.0056%	2.98%
05/30/20	2	176	0.0085%	4.49%	0.0056%	2.98%

05/31/20	2	177	0.0085%	4.50%	0.0056%	2.99%
06/01/20	2	178	0.0085%	4.51%	0.0056%	2.99%
06/02/20	2	179	0.0085%	4.52%	0.0056%	3.00%
06/03/20	2	180	0.0085%	4.52%	0.0056%	3.01%
06/04/20	2	181	0.0085%	4.53%	0.0056%	3.01%
06/05/20	2	182	0.0085%	4.54%	0.0056%	3.02%
06/06/20	2	183	0.0085%	4.55%	0.0056%	3.02%
06/07/20	2	184	0.0085%	4.56%	0.0056%	3.03%
06/08/20	2	185	0.0085%	4.57%	0.0056%	3.03%
06/09/20	2	186	0.0085%	4.57%	0.0056%	3.04%
06/10/20	2	187	0.0085%	4.58%	0.0056%	3.05%
06/11/20	2	188	0.0085%	4.59%	0.0056%	3.05%
06/12/20	2	189	0.0085%	4.60%	0.0056%	3.06%
06/13/20	2	190	0.0085%	4.61%	0.0056%	3.06%
06/14/20	2	191	0.0085%	4.62%	0.0056%	3.07%
06/15/20	2	192	0.0085%	4.63%	0.0056%	3.07%
06/16/20	2	193	0.0085%	4.63%	0.0056%	3.08%
06/17/20	2	194	0.0085%	4.64%	0.0056%	3.08%
06/18/20	2	195	0.0085%	4.65%	0.0056%	3.09%
06/19/20	2	196	0.0085%	4.66%	0.0056%	3.10%
06/20/20	2	197	0.0085%	4.67%	0.0056%	3.10%
06/21/20	2	198	0.0085%	4.68%	0.0056%	3.11%
06/22/20	2	199	0.0085%	4.68%	0.0056%	3.11%
06/23/20	2	200	0.0085%	4.69%	0.0056%	3.12%
06/24/20	2	201	0.0085%	4.70%	0.0056%	3.12%
06/25/20	2	202	0.0085%	4.71%	0.0056%	3.13%
06/26/20	2	203	0.0085%	4.72%	0.0056%	3.13%
06/27/20	2	204	0.0085%	4.73%	0.0056%	3.14%
06/28/20	2	205	0.0085%	4.74%	0.0056%	3.15%
06/29/20	2	206	0.0085%	4.74%	0.0056%	3.15%
06/30/20	2	207	0.0085%	4.75%	0.0056%	3.16%
07/01/20	2	208	0.0085%	4.76%	0.0056%	3.16%
07/02/20	2	209	0.0085%	4.77%	0.0056%	3.17%
07/03/20	2	210	0.0085%	4.78%	0.0056%	3.17%
07/04/20	2	211	0.0085%	4.79%	0.0056%	3.18%
07/05/20	2	212	0.0085%	4.79%	0.0056%	3.18%
07/06/20	2	213	0.0085%	4.80%	0.0056%	3.19%
07/07/20	2	214	0.0085%	4.81%	0.0056%	3.20%
07/08/20	2	215	0.0085%	4.82%	0.0056%	3.20%
07/09/20	2	216	0.0085%	4.83%	0.0056%	3.21%
07/10/20	2	217	0.0085%	4.84%	0.0056%	3.21%
07/11/20	2	218	0.0085%	4.85%	0.0056%	3.22%
07/12/20	2	219	0.0085%	4.85%	0.0056%	3.22%
07/13/20	2	220	0.0085%	4.86%	0.0056%	3.23%
07/14/20	2	221	0.0085%	4.87%	0.0056%	3.24%
07/15/20	2	222	0.0085%	4.88%	0.0056%	3.24%
07/16/20	2	223	0.0085%	4.89%	0.0056%	3.25%
07/17/20	2	224	0.0085%	4.90%	0.0056%	3.25%
07/18/20	2	225	0.0085%	4.90%	0.0056%	3.26%
07/19/20	2	226	0.0085%	4.91%	0.0056%	3.26%
07/20/20	2	227	0.0085%	4.92%	0.0056%	3.27%
07/21/20	2	228	0.0085%	4.93%	0.0056%	3.27%
07/22/20	2	229	0.0085%	4.94%	0.0056%	3.28%
07/23/20	2	230	0.0085%	4.95%	0.0056%	3.29%
07/24/20	2	231	0.0085%	4.96%	0.0056%	3.29%
07/25/20	2	232	0.0085%	4.96%	0.0056%	3.30%
07/26/20	2	233	0.0085%	4.97%	0.0056%	3.30%
07/27/20	2	234	0.0085%	4.98%	0.0056%	3.31%
07/28/20	2	235	0.0085%	4.99%	0.0056%	3.31%
07/29/20	2	236	0.0085%	5.00%	0.0056%	3.32%
07/30/20	2	237	0.0085%	5.01%	0.0056%	3.32%
07/31/20	2	238	0.0085%	5.01%	0.0056%	3.33%
08/01/20	2	239	0.0085%	5.02%	0.0056%	3.34%
08/02/20	2	240	0.0085%	5.03%	0.0056%	3.34%
08/03/20	2	241	0.0085%	5.04%	0.0056%	3.35%
08/04/20	2	242	0.0085%	5.05%	0.0056%	3.35%
08/05/20	2	243	0.0085%	5.06%	0.0056%	3.36%
08/06/20	2	244	0.0085%	5.07%	0.0056%	3.36%
08/07/20	2	245	0.0085%	5.07%	0.0056%	3.37%
08/08/20	2	246	0.0085%	5.08%	0.0056%	3.37%
08/09/20	2	247	0.0085%	5.09%	0.0056%	3.38%
08/10/20	2	248	0.0085%	5.10%	0.0056%	3.39%
08/11/20	2	249	0.0085%	5.11%	0.0056%	3.39%
08/12/20	2	250	0.0085%	5.12%	0.0056%	3.40%
08/13/20	2	251	0.0085%	5.12%	0.0056%	3.40%
08/14/20	2	252	0.0085%	5.13%	0.0056%	3.41%
08/15/20	2	253	0.0085%	5.14%	0.0056%	3.41%
08/16/20	2	254	0.0085%	5.15%	0.0056%	3.42%
08/17/20	2	255	0.0085%	5.16%	0.0056%	3.43%
08/18/20	2	256	0.0085%	5.17%	0.0056%	3.43%
08/19/20	2	257	0.0085%	5.18%	0.0056%	3.44%
08/20/20	2	258	0.0085%	5.18%	0.0056%	3.44%
08/21/20	2	259	0.0085%	5.19%	0.0056%	3.45%
08/22/20	2	260	0.0085%	5.20%	0.0056%	3.45%
08/23/20	2	261	0.0085%	5.21%	0.0056%	3.46%
08/24/20	2	262	0.0085%	5.22%	0.0056%	3.46%
08/25/20	2	263	0.0085%	5.23%	0.0056%	3.47%
08/26/20	2	264	0.0085%	5.23%	0.0056%	3.48%
08/27/20	2	265	0.0085%	5.24%	0.0056%	3.48%
08/28/20	2	266	0.0085%	5.25%	0.0056%	3.49%
08/29/20	2	267	0.0085%	5.26%	0.0056%	3.49%
08/30/20	2	268	0.0085%	5.27%	0.0056%	3.50%
08/31/20	2	269	0.0085%	5.28%	0.0056%	3.50%
09/01/20	2	270	0.0085%	5.29%	0.0056%	3.51%
09/02/20	2	271	0.0085%	5.29%	0.0056%	3.51%
09/03/20	2	272	0.0085%	5.30%	0.0056%	3.52%
09/04/20	2	273	0.0085%	5.31%	0.0056%	3.53%
09/05/20	2	274	0.0085%	5.32%	0.0056%	3.53%
09/06/20	2	275	0.0085%	5.33%	0.0056%	3.54%
09/07/20	2	276	0.0085%	5.34%	0.0056%	3.54%
09/08/20	2	277	0.0085%	5.35%	0.0056%	3.55%
09/09/20	2	278	0.0085%	5.35%	0.0056%	3.55%
09/10/20	2	279	0.0085%	5.36%	0.0056%	3.56%
09/11/20	2	280	0.0085%	5.37%	0.0056%	3.56%
09/12/20	2	281	0.0085%	5.38%	0.0056%	3.57%
09/13/20	2	282	0.0085%	5.39%	0.0056%	3.58%
09/14/20	2	283	0.0085%	5.40%	0.0056%	3.58%
09/15/20	2	284	0.0085%	5.40%	0.0056%	3.59%
09/16/20	2	285	0.0085%	5.41%	0.0056%	3.59%

09/17/20	2	286	0.0085%	5.42%	0.0056%	3.60%
09/18/20	2	287	0.0085%	5.43%	0.0056%	3.60%
09/19/20	2	288	0.0085%	5.44%	0.0056%	3.61%
09/20/20	2	289	0.0085%	5.45%	0.0056%	3.62%
09/21/20	2	290	0.0085%	5.46%	0.0056%	3.62%
09/22/20	2	291	0.0085%	5.46%	0.0056%	3.63%
09/23/20	2	292	0.0085%	5.47%	0.0056%	3.63%
09/24/20	2	293	0.0085%	5.48%	0.0056%	3.64%
09/25/20	2	294	0.0085%	5.49%	0.0056%	3.64%
09/26/20	2	295	0.0085%	5.50%	0.0056%	3.65%
09/27/20	2	296	0.0085%	5.51%	0.0056%	3.65%
09/28/20	2	297	0.0085%	5.51%	0.0056%	3.66%
09/29/20	2	298	0.0085%	5.52%	0.0056%	3.67%
09/30/20	2	299	0.0085%	5.53%	0.0056%	3.67%
10/01/20	2	300	0.0085%	5.54%	0.0056%	3.68%
10/02/20	2	301	0.0085%	5.55%	0.0056%	3.68%
10/03/20	2	302	0.0085%	5.56%	0.0056%	3.69%
10/04/20	2	303	0.0085%	5.57%	0.0056%	3.69%
10/05/20	2	304	0.0085%	5.57%	0.0056%	3.70%
10/06/20	2	305	0.0085%	5.58%	0.0056%	3.70%
10/07/20	2	306	0.0085%	5.59%	0.0056%	3.71%
10/08/20	2	307	0.0085%	5.60%	0.0056%	3.72%
10/09/20	2	308	0.0085%	5.61%	0.0056%	3.72%
10/10/20	2	309	0.0085%	5.62%	0.0056%	3.73%
10/11/20	2	310	0.0085%	5.62%	0.0056%	3.73%
10/12/20	2	311	0.0085%	5.63%	0.0056%	3.74%
10/13/20	2	312	0.0085%	5.64%	0.0056%	3.74%
10/14/20	2	313	0.0085%	5.65%	0.0056%	3.75%
10/15/20	2	314	0.0085%	5.66%	0.0056%	3.75%
10/16/20	2	315	0.0085%	5.67%	0.0056%	3.76%
10/17/20	2	316	0.0085%	5.68%	0.0056%	3.77%
10/18/20	2	317	0.0085%	5.68%	0.0056%	3.77%
10/19/20	2	318	0.0085%	5.69%	0.0056%	3.78%
10/20/20	2	319	0.0085%	5.70%	0.0056%	3.78%
10/21/20	2	320	0.0085%	5.71%	0.0056%	3.79%
10/22/20	2	321	0.0085%	5.72%	0.0056%	3.79%
10/23/20	2	322	0.0085%	5.73%	0.0056%	3.80%
10/24/20	2	323	0.0085%	5.73%	0.0056%	3.81%
10/25/20	2	324	0.0085%	5.74%	0.0056%	3.81%
10/26/20	2	325	0.0085%	5.75%	0.0056%	3.82%
10/27/20	2	326	0.0085%	5.76%	0.0056%	3.82%
10/28/20	2	327	0.0085%	5.77%	0.0056%	3.83%
10/29/20	2	328	0.0085%	5.78%	0.0056%	3.83%
10/30/20	2	329	0.0085%	5.79%	0.0056%	3.84%
10/31/20	2	330	0.0085%	5.79%	0.0056%	3.84%
11/01/20	2	331	0.0085%	5.80%	0.0056%	3.85%
11/02/20	2	332	0.0085%	5.81%	0.0056%	3.86%
11/03/20	2	333	0.0085%	5.82%	0.0056%	3.86%
11/04/20	2	334	0.0085%	5.83%	0.0056%	3.87%
11/05/20	2	335	0.0085%	5.84%	0.0056%	3.87%
11/06/20	2	336	0.0085%	5.84%	0.0056%	3.88%
11/07/20	2	337	0.0085%	5.85%	0.0056%	3.88%
11/08/20	2	338	0.0085%	5.86%	0.0056%	3.89%
11/09/20	2	339	0.0085%	5.87%	0.0056%	3.89%
11/10/20	2	340	0.0085%	5.88%	0.0056%	3.90%
11/11/20	2	341	0.0085%	5.89%	0.0056%	3.91%
11/12/20	2	342	0.0085%	5.90%	0.0056%	3.91%
11/13/20	2	343	0.0085%	5.90%	0.0056%	3.92%
11/14/20	2	344	0.0085%	5.91%	0.0056%	3.92%
11/15/20	2	345	0.0085%	5.92%	0.0056%	3.93%
11/16/20	2	346	0.0085%	5.93%	0.0056%	3.93%
11/17/20	2	347	0.0085%	5.94%	0.0056%	3.94%
11/18/20	2	348	0.0085%	5.95%	0.0056%	3.94%
11/19/20	2	349	0.0085%	5.95%	0.0056%	3.95%
11/20/20	2	350	0.0085%	5.96%	0.0056%	3.96%
11/21/20	2	351	0.0085%	5.97%	0.0056%	3.96%
11/22/20	2	352	0.0085%	5.98%	0.0056%	3.97%
11/23/20	2	353	0.0085%	5.99%	0.0056%	3.97%
11/24/20	2	354	0.0085%	6.00%	0.0056%	3.98%
11/25/20	2	355	0.0085%	6.01%	0.0056%	3.98%
11/26/20	2	356	0.0085%	6.01%	0.0056%	3.99%
11/27/20	2	357	0.0085%	6.02%	0.0056%	4.00%
11/28/20	2	358	0.0085%	6.03%	0.0056%	4.00%
11/29/20	2	359	0.0085%	6.04%	0.0056%	4.01%
11/30/20	2	360	0.0085%	6.05%	0.0056%	4.01%
12/01/20	2	361	0.0085%	6.06%	0.0056%	4.02%
12/02/20	2	362	0.0085%	6.06%	0.0056%	4.02%
12/03/20	2	363	0.0085%	6.07%	0.0056%	4.03%
12/04/20	2	364	0.0085%	6.08%	0.0056%	4.03%
12/05/20	2	365	0.0085%	6.09%	0.0056%	4.04%
12/06/20	2	366	0.0085%	6.09%	0.0056%	4.04%
Check	2			6.09%		4.04%

12/07/20	3	1	0.0087%	6.10%	0.0057%	4.05%
12/08/20	3	2	0.0087%	6.11%	0.0057%	4.05%
12/09/20	3	3	0.0087%	6.12%	0.0057%	4.06%
12/10/20	3	4	0.0087%	6.12%	0.0057%	4.06%
12/11/20	3	5	0.0087%	6.13%	0.0057%	4.07%
12/12/20	3	6	0.0087%	6.14%	0.0057%	4.07%
12/13/20	3	7	0.0087%	6.15%	0.0057%	4.08%
12/14/20	3	8	0.0087%	6.16%	0.0057%	4.09%
12/15/20	3	9	0.0087%	6.17%	0.0057%	4.09%
12/16/20	3	10	0.0087%	6.18%	0.0057%	4.10%
12/17/20	3	11	0.0087%	6.19%	0.0057%	4.10%
12/18/20	3	12	0.0087%	6.19%	0.0057%	4.11%
12/19/20	3	13	0.0087%	6.20%	0.0057%	4.11%
12/20/20	3	14	0.0087%	6.21%	0.0057%	4.12%
12/21/20	3	15	0.0087%	6.22%	0.0057%	4.13%
12/22/20	3	16	0.0087%	6.23%	0.0057%	4.13%
12/23/20	3	17	0.0087%	6.24%	0.0057%	4.14%
12/24/20	3	18	0.0087%	6.25%	0.0057%	4.14%
12/25/20	3	19	0.0087%	6.26%	0.0057%	4.15%
12/26/20	3	20	0.0087%	6.26%	0.0057%	4.15%
12/27/20	3	21	0.0087%	6.27%	0.0057%	4.16%
12/28/20	3	22	0.0087%	6.28%	0.0057%	4.17%
12/29/20	3	23	0.0087%	6.29%	0.0057%	4.17%
12/30/20	3	24	0.0087%	6.30%	0.0057%	4.18%
12/31/20	3	25	0.0087%	6.31%	0.0057%	4.18%
01/01/21	3	26	0.0087%	6.32%	0.0057%	4.19%

01/02/21	3	27	0.0087%	6.33%	0.0057%	4.19%
01/03/21	3	28	0.0087%	6.33%	0.0057%	4.20%
01/04/21	3	29	0.0087%	6.34%	0.0057%	4.21%
01/05/21	3	30	0.0087%	6.35%	0.0057%	4.21%
01/06/21	3	31	0.0087%	6.36%	0.0057%	4.22%
01/07/21	3	32	0.0087%	6.37%	0.0057%	4.22%
01/08/21	3	33	0.0087%	6.38%	0.0057%	4.23%
01/09/21	3	34	0.0087%	6.39%	0.0057%	4.23%
01/10/21	3	35	0.0087%	6.40%	0.0057%	4.24%
01/11/21	3	36	0.0087%	6.40%	0.0057%	4.25%
01/12/21	3	37	0.0087%	6.41%	0.0057%	4.25%
01/13/21	3	38	0.0087%	6.42%	0.0057%	4.26%
01/14/21	3	39	0.0087%	6.43%	0.0057%	4.26%
01/15/21	3	40	0.0087%	6.44%	0.0057%	4.27%
01/16/21	3	41	0.0087%	6.45%	0.0057%	4.27%
01/17/21	3	42	0.0087%	6.46%	0.0057%	4.28%
01/18/21	3	43	0.0087%	6.46%	0.0057%	4.29%
01/19/21	3	44	0.0087%	6.47%	0.0057%	4.29%
01/20/21	3	45	0.0087%	6.48%	0.0057%	4.30%
01/21/21	3	46	0.0087%	6.49%	0.0057%	4.30%
01/22/21	3	47	0.0087%	6.50%	0.0057%	4.31%
01/23/21	3	48	0.0087%	6.51%	0.0057%	4.31%
01/24/21	3	49	0.0087%	6.52%	0.0057%	4.32%
01/25/21	3	50	0.0087%	6.53%	0.0057%	4.33%
01/26/21	3	51	0.0087%	6.53%	0.0057%	4.33%
01/27/21	3	52	0.0087%	6.54%	0.0057%	4.34%
01/28/21	3	53	0.0087%	6.55%	0.0057%	4.34%
01/29/21	3	54	0.0087%	6.56%	0.0057%	4.35%
01/30/21	3	55	0.0087%	6.57%	0.0057%	4.35%
01/31/21	3	56	0.0087%	6.58%	0.0057%	4.36%
02/01/21	3	57	0.0087%	6.59%	0.0057%	4.36%
02/02/21	3	58	0.0087%	6.60%	0.0057%	4.37%
02/03/21	3	59	0.0087%	6.60%	0.0057%	4.38%
02/04/21	3	60	0.0087%	6.61%	0.0057%	4.38%
02/05/21	3	61	0.0087%	6.62%	0.0057%	4.39%
02/06/21	3	62	0.0087%	6.63%	0.0057%	4.39%
02/07/21	3	63	0.0087%	6.64%	0.0057%	4.40%
02/08/21	3	64	0.0087%	6.65%	0.0057%	4.40%
02/09/21	3	65	0.0087%	6.66%	0.0057%	4.41%
02/10/21	3	66	0.0087%	6.67%	0.0057%	4.42%
02/11/21	3	67	0.0087%	6.67%	0.0057%	4.42%
02/12/21	3	68	0.0087%	6.68%	0.0057%	4.43%
02/13/21	3	69	0.0087%	6.69%	0.0057%	4.43%
02/14/21	3	70	0.0087%	6.70%	0.0057%	4.44%
02/15/21	3	71	0.0087%	6.71%	0.0057%	4.44%
02/16/21	3	72	0.0087%	6.72%	0.0057%	4.45%
02/17/21	3	73	0.0087%	6.73%	0.0057%	4.46%
02/18/21	3	74	0.0087%	6.74%	0.0057%	4.46%
02/19/21	3	75	0.0087%	6.74%	0.0057%	4.47%
02/20/21	3	76	0.0087%	6.75%	0.0057%	4.47%
02/21/21	3	77	0.0087%	6.76%	0.0057%	4.48%
02/22/21	3	78	0.0087%	6.77%	0.0057%	4.48%
02/23/21	3	79	0.0087%	6.78%	0.0057%	4.49%
02/24/21	3	80	0.0087%	6.79%	0.0057%	4.50%
02/25/21	3	81	0.0087%	6.80%	0.0057%	4.50%
02/26/21	3	82	0.0087%	6.81%	0.0057%	4.51%
02/27/21	3	83	0.0087%	6.81%	0.0057%	4.51%
02/28/21	3	84	0.0087%	6.82%	0.0057%	4.52%
03/01/21	3	85	0.0087%	6.83%	0.0057%	4.52%
03/02/21	3	86	0.0087%	6.84%	0.0057%	4.53%
03/03/21	3	87	0.0087%	6.85%	0.0057%	4.54%
03/04/21	3	88	0.0087%	6.86%	0.0057%	4.54%
03/05/21	3	89	0.0087%	6.87%	0.0057%	4.55%
03/06/21	3	90	0.0087%	6.87%	0.0057%	4.55%
03/07/21	3	91	0.0087%	6.88%	0.0057%	4.56%
03/08/21	3	92	0.0087%	6.89%	0.0057%	4.56%
03/09/21	3	93	0.0087%	6.90%	0.0057%	4.57%
03/10/21	3	94	0.0087%	6.91%	0.0057%	4.58%
03/11/21	3	95	0.0087%	6.92%	0.0057%	4.58%
03/12/21	3	96	0.0087%	6.93%	0.0057%	4.59%
03/13/21	3	97	0.0087%	6.94%	0.0057%	4.59%
03/14/21	3	98	0.0087%	6.94%	0.0057%	4.60%
03/15/21	3	99	0.0087%	6.95%	0.0057%	4.60%
03/16/21	3	100	0.0087%	6.96%	0.0057%	4.61%
03/17/21	3	101	0.0087%	6.97%	0.0057%	4.62%
03/18/21	3	102	0.0087%	6.98%	0.0057%	4.62%
03/19/21	3	103	0.0087%	6.99%	0.0057%	4.63%
03/20/21	3	104	0.0087%	7.00%	0.0057%	4.63%
03/21/21	3	105	0.0087%	7.01%	0.0057%	4.64%
03/22/21	3	106	0.0087%	7.01%	0.0057%	4.64%
03/23/21	3	107	0.0087%	7.02%	0.0057%	4.65%
03/24/21	3	108	0.0087%	7.03%	0.0057%	4.66%
03/25/21	3	109	0.0087%	7.04%	0.0057%	4.66%
03/26/21	3	110	0.0087%	7.05%	0.0057%	4.67%
03/27/21	3	111	0.0087%	7.06%	0.0057%	4.67%
03/28/21	3	112	0.0087%	7.07%	0.0057%	4.68%
03/29/21	3	113	0.0087%	7.08%	0.0057%	4.68%
03/30/21	3	114	0.0087%	7.08%	0.0057%	4.69%
03/31/21	3	115	0.0087%	7.09%	0.0057%	4.70%
04/01/21	3	116	0.0087%	7.10%	0.0057%	4.70%
04/02/21	3	117	0.0087%	7.11%	0.0057%	4.71%
04/03/21	3	118	0.0087%	7.12%	0.0057%	4.71%
04/04/21	3	119	0.0087%	7.13%	0.0057%	4.72%
04/05/21	3	120	0.0087%	7.14%	0.0057%	4.72%
04/06/21	3	121	0.0087%	7.15%	0.0057%	4.73%
04/07/21	3	122	0.0087%	7.15%	0.0057%	4.74%
04/08/21	3	123	0.0087%	7.16%	0.0057%	4.74%
04/09/21	3	124	0.0087%	7.17%	0.0057%	4.75%
04/10/21	3	125	0.0087%	7.18%	0.0057%	4.75%
04/11/21	3	126	0.0087%	7.19%	0.0057%	4.76%
04/12/21	3	127	0.0087%	7.20%	0.0057%	4.76%
04/13/21	3	128	0.0087%	7.21%	0.0057%	4.77%
04/14/21	3	129	0.0087%	7.21%	0.0057%	4.78%
04/15/21	3	130	0.0087%	7.22%	0.0057%	4.78%
04/16/21	3	131	0.0087%	7.23%	0.0057%	4.79%
04/17/21	3	132	0.0087%	7.24%	0.0057%	4.79%
04/18/21	3	133	0.0087%	7.25%	0.0057%	4.80%
04/19/21	3	134	0.0087%	7.26%	0.0057%	4.80%
04/20/21	3	135	0.0087%	7.27%	0.0057%	4.81%

04/21/21	3	136	0.0087%	7.28%	0.0057%	4.82%
04/22/21	3	137	0.0087%	7.28%	0.0057%	4.82%
04/23/21	3	138	0.0087%	7.29%	0.0057%	4.83%
04/24/21	3	139	0.0087%	7.30%	0.0057%	4.83%
04/25/21	3	140	0.0087%	7.31%	0.0057%	4.84%
04/26/21	3	141	0.0087%	7.32%	0.0057%	4.84%
04/27/21	3	142	0.0087%	7.33%	0.0057%	4.85%
04/28/21	3	143	0.0087%	7.34%	0.0057%	4.86%
04/29/21	3	144	0.0087%	7.35%	0.0057%	4.86%
04/30/21	3	145	0.0087%	7.35%	0.0057%	4.87%
05/01/21	3	146	0.0087%	7.36%	0.0057%	4.87%
05/02/21	3	147	0.0087%	7.37%	0.0057%	4.88%
05/03/21	3	148	0.0087%	7.38%	0.0057%	4.88%
05/04/21	3	149	0.0087%	7.39%	0.0057%	4.89%
05/05/21	3	150	0.0087%	7.40%	0.0057%	4.90%
05/06/21	3	151	0.0087%	7.41%	0.0057%	4.90%
05/07/21	3	152	0.0087%	7.42%	0.0057%	4.91%
05/08/21	3	153	0.0087%	7.42%	0.0057%	4.91%
05/09/21	3	154	0.0087%	7.43%	0.0057%	4.92%
05/10/21	3	155	0.0087%	7.44%	0.0057%	4.92%
05/11/21	3	156	0.0087%	7.45%	0.0057%	4.93%
05/12/21	3	157	0.0087%	7.46%	0.0057%	4.94%
05/13/21	3	158	0.0087%	7.47%	0.0057%	4.94%
05/14/21	3	159	0.0087%	7.48%	0.0057%	4.95%
05/15/21	3	160	0.0087%	7.49%	0.0057%	4.95%
05/16/21	3	161	0.0087%	7.49%	0.0057%	4.96%
05/17/21	3	162	0.0087%	7.50%	0.0057%	4.96%
05/18/21	3	163	0.0087%	7.51%	0.0057%	4.97%
05/19/21	3	164	0.0087%	7.52%	0.0057%	4.97%
05/20/21	3	165	0.0087%	7.53%	0.0057%	4.98%
05/21/21	3	166	0.0087%	7.54%	0.0057%	4.99%
05/22/21	3	167	0.0087%	7.55%	0.0057%	4.99%
05/23/21	3	168	0.0087%	7.55%	0.0057%	5.00%
05/24/21	3	169	0.0087%	7.56%	0.0057%	5.00%
05/25/21	3	170	0.0087%	7.57%	0.0057%	5.01%
05/26/21	3	171	0.0087%	7.58%	0.0057%	5.01%
05/27/21	3	172	0.0087%	7.59%	0.0057%	5.02%
05/28/21	3	173	0.0087%	7.60%	0.0057%	5.03%
05/29/21	3	174	0.0087%	7.61%	0.0057%	5.03%
05/30/21	3	175	0.0087%	7.62%	0.0057%	5.04%
05/31/21	3	176	0.0087%	7.62%	0.0057%	5.04%
06/01/21	3	177	0.0087%	7.63%	0.0057%	5.05%
06/02/21	3	178	0.0087%	7.64%	0.0057%	5.05%
06/03/21	3	179	0.0087%	7.65%	0.0057%	5.06%
06/04/21	3	180	0.0087%	7.66%	0.0057%	5.07%
06/05/21	3	181	0.0087%	7.67%	0.0057%	5.07%
06/06/21	3	182	0.0087%	7.68%	0.0057%	5.08%
06/07/21	3	183	0.0087%	7.69%	0.0057%	5.08%
06/08/21	3	184	0.0087%	7.69%	0.0057%	5.09%
06/09/21	3	185	0.0087%	7.70%	0.0057%	5.09%
06/10/21	3	186	0.0087%	7.71%	0.0057%	5.10%
06/11/21	3	187	0.0087%	7.72%	0.0057%	5.11%
06/12/21	3	188	0.0087%	7.73%	0.0057%	5.11%
06/13/21	3	189	0.0087%	7.74%	0.0057%	5.12%
06/14/21	3	190	0.0087%	7.75%	0.0057%	5.12%
06/15/21	3	191	0.0087%	7.76%	0.0057%	5.13%
06/16/21	3	192	0.0087%	7.76%	0.0057%	5.13%
06/17/21	3	193	0.0087%	7.77%	0.0057%	5.14%
06/18/21	3	194	0.0087%	7.78%	0.0057%	5.15%
06/19/21	3	195	0.0087%	7.79%	0.0057%	5.15%
06/20/21	3	196	0.0087%	7.80%	0.0057%	5.16%
06/21/21	3	197	0.0087%	7.81%	0.0057%	5.16%
06/22/21	3	198	0.0087%	7.82%	0.0057%	5.17%
06/23/21	3	199	0.0087%	7.83%	0.0057%	5.17%
06/24/21	3	200	0.0087%	7.83%	0.0057%	5.18%
06/25/21	3	201	0.0087%	7.84%	0.0057%	5.19%
06/26/21	3	202	0.0087%	7.85%	0.0057%	5.19%
06/27/21	3	203	0.0087%	7.86%	0.0057%	5.20%
06/28/21	3	204	0.0087%	7.87%	0.0057%	5.20%
06/29/21	3	205	0.0087%	7.88%	0.0057%	5.21%
06/30/21	3	206	0.0087%	7.89%	0.0057%	5.21%
07/01/21	3	207	0.0087%	7.89%	0.0057%	5.22%
07/02/21	3	208	0.0087%	7.90%	0.0057%	5.23%
07/03/21	3	209	0.0087%	7.91%	0.0057%	5.23%
07/04/21	3	210	0.0087%	7.92%	0.0057%	5.24%
07/05/21	3	211	0.0087%	7.93%	0.0057%	5.24%
07/06/21	3	212	0.0087%	7.94%	0.0057%	5.25%
07/07/21	3	213	0.0087%	7.95%	0.0057%	5.25%
07/08/21	3	214	0.0087%	7.96%	0.0057%	5.26%
07/09/21	3	215	0.0087%	7.96%	0.0057%	5.27%
07/10/21	3	216	0.0087%	7.97%	0.0057%	5.27%
07/11/21	3	217	0.0087%	7.98%	0.0057%	5.28%
07/12/21	3	218	0.0087%	7.99%	0.0057%	5.28%
07/13/21	3	219	0.0087%	8.00%	0.0057%	5.29%
07/14/21	3	220	0.0087%	8.01%	0.0057%	5.29%
07/15/21	3	221	0.0087%	8.02%	0.0057%	5.30%
07/16/21	3	222	0.0087%	8.03%	0.0057%	5.31%
07/17/21	3	223	0.0087%	8.03%	0.0057%	5.31%
07/18/21	3	224	0.0087%	8.04%	0.0057%	5.32%
07/19/21	3	225	0.0087%	8.05%	0.0057%	5.32%
07/20/21	3	226	0.0087%	8.06%	0.0057%	5.33%
07/21/21	3	227	0.0087%	8.07%	0.0057%	5.33%
07/22/21	3	228	0.0087%	8.08%	0.0057%	5.34%
07/23/21	3	229	0.0087%	8.09%	0.0057%	5.35%
07/24/21	3	230	0.0087%	8.10%	0.0057%	5.35%
07/25/21	3	231	0.0087%	8.10%	0.0057%	5.36%
07/26/21	3	232	0.0087%	8.11%	0.0057%	5.36%
07/27/21	3	233	0.0087%	8.12%	0.0057%	5.37%
07/28/21	3	234	0.0087%	8.13%	0.0057%	5.37%
07/29/21	3	235	0.0087%	8.14%	0.0057%	5.38%
07/30/21	3	236	0.0087%	8.15%	0.0057%	5.39%
07/31/21	3	237	0.0087%	8.16%	0.0057%	5.39%
08/01/21	3	238	0.0087%	8.17%	0.0057%	5.40%
08/02/21	3	239	0.0087%	8.17%	0.0057%	5.40%
08/03/21	3	240	0.0087%	8.18%	0.0057%	5.41%
08/04/21	3	241	0.0087%	8.19%	0.0057%	5.41%
08/05/21	3	242	0.0087%	8.20%	0.0057%	5.42%
08/06/21	3	243	0.0087%	8.21%	0.0057%	5.43%
08/07/21	3	244	0.0087%	8.22%	0.0057%	5.43%

08/08/21	3	245	0.0087%	8.23%	0.0057%	5.44%
08/09/21	3	246	0.0087%	8.24%	0.0057%	5.44%
08/10/21	3	247	0.0087%	8.24%	0.0057%	5.45%
08/11/21	3	248	0.0087%	8.25%	0.0057%	5.45%
08/12/21	3	249	0.0087%	8.26%	0.0057%	5.46%
08/13/21	3	250	0.0087%	8.27%	0.0057%	5.47%
08/14/21	3	251	0.0087%	8.28%	0.0057%	5.47%
08/15/21	3	252	0.0087%	8.29%	0.0057%	5.48%
08/16/21	3	253	0.0087%	8.30%	0.0057%	5.48%
08/17/21	3	254	0.0087%	8.30%	0.0057%	5.49%
08/18/21	3	255	0.0087%	8.31%	0.0057%	5.49%
08/19/21	3	256	0.0087%	8.32%	0.0057%	5.50%
08/20/21	3	257	0.0087%	8.33%	0.0057%	5.51%
08/21/21	3	258	0.0087%	8.34%	0.0057%	5.51%
08/22/21	3	259	0.0087%	8.35%	0.0057%	5.52%
08/23/21	3	260	0.0087%	8.36%	0.0057%	5.52%
08/24/21	3	261	0.0087%	8.37%	0.0057%	5.53%
08/25/21	3	262	0.0087%	8.37%	0.0057%	5.53%
08/26/21	3	263	0.0087%	8.38%	0.0057%	5.54%
08/27/21	3	264	0.0087%	8.39%	0.0057%	5.55%
08/28/21	3	265	0.0087%	8.40%	0.0057%	5.55%
08/29/21	3	266	0.0087%	8.41%	0.0057%	5.56%
08/30/21	3	267	0.0087%	8.42%	0.0057%	5.56%
08/31/21	3	268	0.0087%	8.43%	0.0057%	5.57%
09/01/21	3	269	0.0087%	8.44%	0.0057%	5.57%
09/02/21	3	270	0.0087%	8.44%	0.0057%	5.58%
09/03/21	3	271	0.0087%	8.45%	0.0057%	5.58%
09/04/21	3	272	0.0087%	8.46%	0.0057%	5.59%
09/05/21	3	273	0.0087%	8.47%	0.0057%	5.60%
09/06/21	3	274	0.0087%	8.48%	0.0057%	5.60%
09/07/21	3	275	0.0087%	8.49%	0.0057%	5.61%
09/08/21	3	276	0.0087%	8.50%	0.0057%	5.61%
09/09/21	3	277	0.0087%	8.51%	0.0057%	5.62%
09/10/21	3	278	0.0087%	8.51%	0.0057%	5.62%
09/11/21	3	279	0.0087%	8.52%	0.0057%	5.63%
09/12/21	3	280	0.0087%	8.53%	0.0057%	5.64%
09/13/21	3	281	0.0087%	8.54%	0.0057%	5.64%
09/14/21	3	282	0.0087%	8.55%	0.0057%	5.65%
09/15/21	3	283	0.0087%	8.56%	0.0057%	5.65%
09/16/21	3	284	0.0087%	8.57%	0.0057%	5.66%
09/17/21	3	285	0.0087%	8.58%	0.0057%	5.66%
09/18/21	3	286	0.0087%	8.58%	0.0057%	5.67%
09/19/21	3	287	0.0087%	8.59%	0.0057%	5.68%
09/20/21	3	288	0.0087%	8.60%	0.0057%	5.68%
09/21/21	3	289	0.0087%	8.61%	0.0057%	5.69%
09/22/21	3	290	0.0087%	8.62%	0.0057%	5.69%
09/23/21	3	291	0.0087%	8.63%	0.0057%	5.70%
09/24/21	3	292	0.0087%	8.64%	0.0057%	5.70%
09/25/21	3	293	0.0087%	8.64%	0.0057%	5.71%
09/26/21	3	294	0.0087%	8.65%	0.0057%	5.72%
09/27/21	3	295	0.0087%	8.66%	0.0057%	5.72%
09/28/21	3	296	0.0087%	8.67%	0.0057%	5.73%
09/29/21	3	297	0.0087%	8.68%	0.0057%	5.73%
09/30/21	3	298	0.0087%	8.69%	0.0057%	5.74%
10/01/21	3	299	0.0087%	8.70%	0.0057%	5.74%
10/02/21	3	300	0.0087%	8.71%	0.0057%	5.75%
10/03/21	3	301	0.0087%	8.71%	0.0057%	5.76%
10/04/21	3	302	0.0087%	8.72%	0.0057%	5.76%
10/05/21	3	303	0.0087%	8.73%	0.0057%	5.77%
10/06/21	3	304	0.0087%	8.74%	0.0057%	5.77%
10/07/21	3	305	0.0087%	8.75%	0.0057%	5.78%
10/08/21	3	306	0.0087%	8.76%	0.0057%	5.78%
10/09/21	3	307	0.0087%	8.77%	0.0057%	5.79%
10/10/21	3	308	0.0087%	8.78%	0.0057%	5.80%
10/11/21	3	309	0.0087%	8.78%	0.0057%	5.80%
10/12/21	3	310	0.0087%	8.79%	0.0057%	5.81%
10/13/21	3	311	0.0087%	8.80%	0.0057%	5.81%
10/14/21	3	312	0.0087%	8.81%	0.0057%	5.82%
10/15/21	3	313	0.0087%	8.82%	0.0057%	5.82%
10/16/21	3	314	0.0087%	8.83%	0.0057%	5.83%
10/17/21	3	315	0.0087%	8.84%	0.0057%	5.84%
10/18/21	3	316	0.0087%	8.85%	0.0057%	5.84%
10/19/21	3	317	0.0087%	8.85%	0.0057%	5.85%
10/20/21	3	318	0.0087%	8.86%	0.0057%	5.85%
10/21/21	3	319	0.0087%	8.87%	0.0057%	5.86%
10/22/21	3	320	0.0087%	8.88%	0.0057%	5.86%
10/23/21	3	321	0.0087%	8.89%	0.0057%	5.87%
10/24/21	3	322	0.0087%	8.90%	0.0057%	5.88%
10/25/21	3	323	0.0087%	8.91%	0.0057%	5.88%
10/26/21	3	324	0.0087%	8.92%	0.0057%	5.89%
10/27/21	3	325	0.0087%	8.92%	0.0057%	5.89%
10/28/21	3	326	0.0087%	8.93%	0.0057%	5.90%
10/29/21	3	327	0.0087%	8.94%	0.0057%	5.90%
10/30/21	3	328	0.0087%	8.95%	0.0057%	5.91%
10/31/21	3	329	0.0087%	8.96%	0.0057%	5.92%
11/01/21	3	330	0.0087%	8.97%	0.0057%	5.92%
11/02/21	3	331	0.0087%	8.98%	0.0057%	5.93%
11/03/21	3	332	0.0087%	8.98%	0.0057%	5.93%
11/04/21	3	333	0.0087%	8.99%	0.0057%	5.94%
11/05/21	3	334	0.0087%	9.00%	0.0057%	5.94%
11/06/21	3	335	0.0087%	9.01%	0.0057%	5.95%
11/07/21	3	336	0.0087%	9.02%	0.0057%	5.96%
11/08/21	3	337	0.0087%	9.03%	0.0057%	5.96%
11/09/21	3	338	0.0087%	9.04%	0.0057%	5.97%
11/10/21	3	339	0.0087%	9.05%	0.0057%	5.97%
11/11/21	3	340	0.0087%	9.05%	0.0057%	5.98%
11/12/21	3	341	0.0087%	9.06%	0.0057%	5.98%
11/13/21	3	342	0.0087%	9.07%	0.0057%	5.99%
11/14/21	3	343	0.0087%	9.08%	0.0057%	6.00%
11/15/21	3	344	0.0087%	9.09%	0.0057%	6.00%
11/16/21	3	345	0.0087%	9.10%	0.0057%	6.01%
11/17/21	3	346	0.0087%	9.11%	0.0057%	6.01%
11/18/21	3	347	0.0087%	9.12%	0.0057%	6.02%
11/19/21	3	348	0.0087%	9.12%	0.0057%	6.02%
11/20/21	3	349	0.0087%	9.13%	0.0057%	6.03%
11/21/21	3	350	0.0087%	9.14%	0.0057%	6.04%
11/22/21	3	351	0.0087%	9.15%	0.0057%	6.04%
11/23/21	3	352	0.0087%	9.16%	0.0057%	6.05%
11/24/21	3	353	0.0087%	9.17%	0.0057%	6.05%

11/25/21	3	354	0.0087%	9.18%	0.0057%	6.06%
11/26/21	3	355	0.0087%	9.19%	0.0057%	6.06%
11/27/21	3	356	0.0087%	9.19%	0.0057%	6.07%
11/28/21	3	357	0.0087%	9.20%	0.0057%	6.08%
11/29/21	3	358	0.0087%	9.21%	0.0057%	6.08%
11/30/21	3	359	0.0087%	9.22%	0.0057%	6.09%
12/01/21	3	360	0.0087%	9.23%	0.0057%	6.09%
12/02/21	3	361	0.0087%	9.24%	0.0057%	6.10%
12/03/21	3	362	0.0087%	9.25%	0.0057%	6.10%
12/04/21	3	363	0.0087%	9.26%	0.0057%	6.11%
12/05/21	3	364	0.0087%	9.26%	0.0057%	6.12%
12/06/21	3	365	0.0087%	9.27%	0.0057%	6.12%
Check	3			9.27%		6.12%

12/07/21	4	1	0.0090%	9.28%	0.0058%	6.13%
12/08/21	4	2	0.0090%	9.29%	0.0058%	6.13%
12/09/21	4	3	0.0090%	9.30%	0.0058%	6.14%
12/10/21	4	4	0.0090%	9.31%	0.0058%	6.14%
12/11/21	4	5	0.0090%	9.32%	0.0058%	6.15%
12/12/21	4	6	0.0090%	9.33%	0.0058%	6.16%
12/13/21	4	7	0.0090%	9.34%	0.0058%	6.16%
12/14/21	4	8	0.0090%	9.34%	0.0058%	6.17%
12/15/21	4	9	0.0090%	9.35%	0.0058%	6.17%
12/16/21	4	10	0.0090%	9.36%	0.0058%	6.18%
12/17/21	4	11	0.0090%	9.37%	0.0058%	6.18%
12/18/21	4	12	0.0090%	9.38%	0.0058%	6.19%
12/19/21	4	13	0.0090%	9.39%	0.0058%	6.20%
12/20/21	4	14	0.0090%	9.40%	0.0058%	6.20%
12/21/21	4	15	0.0090%	9.41%	0.0058%	6.21%
12/22/21	4	16	0.0090%	9.42%	0.0058%	6.21%
12/23/21	4	17	0.0090%	9.43%	0.0058%	6.22%
12/24/21	4	18	0.0090%	9.43%	0.0058%	6.23%
12/25/21	4	19	0.0090%	9.44%	0.0058%	6.23%
12/26/21	4	20	0.0090%	9.45%	0.0058%	6.24%
12/27/21	4	21	0.0090%	9.46%	0.0058%	6.24%
12/28/21	4	22	0.0090%	9.47%	0.0058%	6.25%
12/29/21	4	23	0.0090%	9.48%	0.0058%	6.25%
12/30/21	4	24	0.0090%	9.49%	0.0058%	6.26%
12/31/21	4	25	0.0090%	9.50%	0.0058%	6.27%
01/01/22	4	26	0.0090%	9.51%	0.0058%	6.27%
01/02/22	4	27	0.0090%	9.52%	0.0058%	6.28%
01/03/22	4	28	0.0090%	9.52%	0.0058%	6.28%
01/04/22	4	29	0.0090%	9.53%	0.0058%	6.29%
01/05/22	4	30	0.0090%	9.54%	0.0058%	6.30%
01/06/22	4	31	0.0090%	9.55%	0.0058%	6.30%
01/07/22	4	32	0.0090%	9.56%	0.0058%	6.31%
01/08/22	4	33	0.0090%	9.57%	0.0058%	6.31%
01/09/22	4	34	0.0090%	9.58%	0.0058%	6.32%
01/10/22	4	35	0.0090%	9.59%	0.0058%	6.32%
01/11/22	4	36	0.0090%	9.60%	0.0058%	6.33%
01/12/22	4	37	0.0090%	9.61%	0.0058%	6.34%
01/13/22	4	38	0.0090%	9.61%	0.0058%	6.34%
01/14/22	4	39	0.0090%	9.62%	0.0058%	6.35%
01/15/22	4	40	0.0090%	9.63%	0.0058%	6.35%
01/16/22	4	41	0.0090%	9.64%	0.0058%	6.36%
01/17/22	4	42	0.0090%	9.65%	0.0058%	6.37%
01/18/22	4	43	0.0090%	9.66%	0.0058%	6.37%
01/19/22	4	44	0.0090%	9.67%	0.0058%	6.38%
01/20/22	4	45	0.0090%	9.68%	0.0058%	6.38%
01/21/22	4	46	0.0090%	9.69%	0.0058%	6.39%
01/22/22	4	47	0.0090%	9.69%	0.0058%	6.39%
01/23/22	4	48	0.0090%	9.70%	0.0058%	6.40%
01/24/22	4	49	0.0090%	9.71%	0.0058%	6.41%
01/25/22	4	50	0.0090%	9.72%	0.0058%	6.41%
01/26/22	4	51	0.0090%	9.73%	0.0058%	6.42%
01/27/22	4	52	0.0090%	9.74%	0.0058%	6.42%
01/28/22	4	53	0.0090%	9.75%	0.0058%	6.43%
01/29/22	4	54	0.0090%	9.76%	0.0058%	6.43%
01/30/22	4	55	0.0090%	9.77%	0.0058%	6.44%
01/31/22	4	56	0.0090%	9.78%	0.0058%	6.45%
02/01/22	4	57	0.0090%	9.78%	0.0058%	6.45%
02/02/22	4	58	0.0090%	9.79%	0.0058%	6.46%
02/03/22	4	59	0.0090%	9.80%	0.0058%	6.46%
02/04/22	4	60	0.0090%	9.81%	0.0058%	6.47%
02/05/22	4	61	0.0090%	9.82%	0.0058%	6.48%
02/06/22	4	62	0.0090%	9.83%	0.0058%	6.48%
02/07/22	4	63	0.0090%	9.84%	0.0058%	6.49%
02/08/22	4	64	0.0090%	9.85%	0.0058%	6.49%
02/09/22	4	65	0.0090%	9.86%	0.0058%	6.50%
02/10/22	4	66	0.0090%	9.87%	0.0058%	6.50%
02/11/22	4	67	0.0090%	9.87%	0.0058%	6.51%
02/12/22	4	68	0.0090%	9.88%	0.0058%	6.52%
02/13/22	4	69	0.0090%	9.89%	0.0058%	6.52%
02/14/22	4	70	0.0090%	9.90%	0.0058%	6.53%
02/15/22	4	71	0.0090%	9.91%	0.0058%	6.53%
02/16/22	4	72	0.0090%	9.92%	0.0058%	6.54%
02/17/22	4	73	0.0090%	9.93%	0.0058%	6.55%
02/18/22	4	74	0.0090%	9.94%	0.0058%	6.55%
02/19/22	4	75	0.0090%	9.95%	0.0058%	6.56%
02/20/22	4	76	0.0090%	9.96%	0.0058%	6.56%
02/21/22	4	77	0.0090%	9.96%	0.0058%	6.57%
02/22/22	4	78	0.0090%	9.97%	0.0058%	6.57%
02/23/22	4	79	0.0090%	9.98%	0.0058%	6.58%
02/24/22	4	80	0.0090%	9.99%	0.0058%	6.59%
02/25/22	4	81	0.0090%	10.00%	0.0058%	6.59%
02/26/22	4	82	0.0090%	10.01%	0.0058%	6.60%
02/27/22	4	83	0.0090%	10.02%	0.0058%	6.60%
02/28/22	4	84	0.0090%	10.03%	0.0058%	6.61%
03/01/22	4	85	0.0090%	10.04%	0.0058%	6.62%
03/02/22	4	86	0.0090%	10.05%	0.0058%	6.62%
03/03/22	4	87	0.0090%	10.05%	0.0058%	6.63%
03/04/22	4	88	0.0090%	10.06%	0.0058%	6.63%
03/05/22	4	89	0.0090%	10.07%	0.0058%	6.64%
03/06/22	4	90	0.0090%	10.08%	0.0058%	6.64%
03/07/22	4	91	0.0090%	10.09%	0.0058%	6.65%
03/08/22	4	92	0.0090%	10.10%	0.0058%	6.66%
03/09/22	4	93	0.0090%	10.11%	0.0058%	6.66%
03/10/22	4	94	0.0090%	10.12%	0.0058%	6.67%
03/11/22	4	95	0.0090%	10.13%	0.0058%	6.67%

03/12/22	4	96	0.0090%	10.13%	0.0058%	6.68%
03/13/22	4	97	0.0090%	10.14%	0.0058%	6.68%
03/14/22	4	98	0.0090%	10.15%	0.0058%	6.69%
03/15/22	4	99	0.0090%	10.16%	0.0058%	6.70%
03/16/22	4	100	0.0090%	10.17%	0.0058%	6.70%
03/17/22	4	101	0.0090%	10.18%	0.0058%	6.71%
03/18/22	4	102	0.0090%	10.19%	0.0058%	6.71%
03/19/22	4	103	0.0090%	10.20%	0.0058%	6.72%
03/20/22	4	104	0.0090%	10.21%	0.0058%	6.73%
03/21/22	4	105	0.0090%	10.22%	0.0058%	6.73%
03/22/22	4	106	0.0090%	10.22%	0.0058%	6.74%
03/23/22	4	107	0.0090%	10.23%	0.0058%	6.74%
03/24/22	4	108	0.0090%	10.24%	0.0058%	6.75%
03/25/22	4	109	0.0090%	10.25%	0.0058%	6.75%
03/26/22	4	110	0.0090%	10.26%	0.0058%	6.76%
03/27/22	4	111	0.0090%	10.27%	0.0058%	6.77%
03/28/22	4	112	0.0090%	10.28%	0.0058%	6.77%
03/29/22	4	113	0.0090%	10.29%	0.0058%	6.78%
03/30/22	4	114	0.0090%	10.30%	0.0058%	6.78%
03/31/22	4	115	0.0090%	10.31%	0.0058%	6.79%
04/01/22	4	116	0.0090%	10.31%	0.0058%	6.80%
04/02/22	4	117	0.0090%	10.32%	0.0058%	6.80%
04/03/22	4	118	0.0090%	10.33%	0.0058%	6.81%
04/04/22	4	119	0.0090%	10.34%	0.0058%	6.81%
04/05/22	4	120	0.0090%	10.35%	0.0058%	6.82%
04/06/22	4	121	0.0090%	10.36%	0.0058%	6.82%
04/07/22	4	122	0.0090%	10.37%	0.0058%	6.83%
04/08/22	4	123	0.0090%	10.38%	0.0058%	6.84%
04/09/22	4	124	0.0090%	10.39%	0.0058%	6.84%
04/10/22	4	125	0.0090%	10.40%	0.0058%	6.85%
04/11/22	4	126	0.0090%	10.40%	0.0058%	6.85%
04/12/22	4	127	0.0090%	10.41%	0.0058%	6.86%
04/13/22	4	128	0.0090%	10.42%	0.0058%	6.87%
04/14/22	4	129	0.0090%	10.43%	0.0058%	6.87%
04/15/22	4	130	0.0090%	10.44%	0.0058%	6.88%
04/16/22	4	131	0.0090%	10.45%	0.0058%	6.88%
04/17/22	4	132	0.0090%	10.46%	0.0058%	6.89%
04/18/22	4	133	0.0090%	10.47%	0.0058%	6.89%
04/19/22	4	134	0.0090%	10.48%	0.0058%	6.90%
04/20/22	4	135	0.0090%	10.49%	0.0058%	6.91%
04/21/22	4	136	0.0090%	10.49%	0.0058%	6.91%
04/22/22	4	137	0.0090%	10.50%	0.0058%	6.92%
04/23/22	4	138	0.0090%	10.51%	0.0058%	6.92%
04/24/22	4	139	0.0090%	10.52%	0.0058%	6.93%
04/25/22	4	140	0.0090%	10.53%	0.0058%	6.93%
04/26/22	4	141	0.0090%	10.54%	0.0058%	6.94%
04/27/22	4	142	0.0090%	10.55%	0.0058%	6.95%
04/28/22	4	143	0.0090%	10.56%	0.0058%	6.95%
04/29/22	4	144	0.0090%	10.57%	0.0058%	6.96%
04/30/22	4	145	0.0090%	10.57%	0.0058%	6.96%
05/01/22	4	146	0.0090%	10.58%	0.0058%	6.97%
05/02/22	4	147	0.0090%	10.59%	0.0058%	6.98%
05/03/22	4	148	0.0090%	10.60%	0.0058%	6.98%
05/04/22	4	149	0.0090%	10.61%	0.0058%	6.99%
05/05/22	4	150	0.0090%	10.62%	0.0058%	6.99%
05/06/22	4	151	0.0090%	10.63%	0.0058%	7.00%
05/07/22	4	152	0.0090%	10.64%	0.0058%	7.00%
05/08/22	4	153	0.0090%	10.65%	0.0058%	7.01%
05/09/22	4	154	0.0090%	10.66%	0.0058%	7.02%
05/10/22	4	155	0.0090%	10.66%	0.0058%	7.02%
05/11/22	4	156	0.0090%	10.67%	0.0058%	7.03%
05/12/22	4	157	0.0090%	10.68%	0.0058%	7.03%
05/13/22	4	158	0.0090%	10.69%	0.0058%	7.04%
05/14/22	4	159	0.0090%	10.70%	0.0058%	7.05%
05/15/22	4	160	0.0090%	10.71%	0.0058%	7.05%
05/16/22	4	161	0.0090%	10.72%	0.0058%	7.06%
05/17/22	4	162	0.0090%	10.73%	0.0058%	7.06%
05/18/22	4	163	0.0090%	10.74%	0.0058%	7.07%
05/19/22	4	164	0.0090%	10.75%	0.0058%	7.07%
05/20/22	4	165	0.0090%	10.75%	0.0058%	7.08%
05/21/22	4	166	0.0090%	10.76%	0.0058%	7.09%
05/22/22	4	167	0.0090%	10.77%	0.0058%	7.09%
05/23/22	4	168	0.0090%	10.78%	0.0058%	7.10%
05/24/22	4	169	0.0090%	10.79%	0.0058%	7.10%
05/25/22	4	170	0.0090%	10.80%	0.0058%	7.11%
05/26/22	4	171	0.0090%	10.81%	0.0058%	7.12%
05/27/22	4	172	0.0090%	10.82%	0.0058%	7.12%
05/28/22	4	173	0.0090%	10.83%	0.0058%	7.13%
05/29/22	4	174	0.0090%	10.84%	0.0058%	7.13%
05/30/22	4	175	0.0090%	10.84%	0.0058%	7.14%
05/31/22	4	176	0.0090%	10.85%	0.0058%	7.14%
06/01/22	4	177	0.0090%	10.86%	0.0058%	7.15%
06/02/22	4	178	0.0090%	10.87%	0.0058%	7.16%
06/03/22	4	179	0.0090%	10.88%	0.0058%	7.16%
06/04/22	4	180	0.0090%	10.89%	0.0058%	7.17%
06/05/22	4	181	0.0090%	10.90%	0.0058%	7.17%
06/06/22	4	182	0.0090%	10.91%	0.0058%	7.18%
06/07/22	4	183	0.0090%	10.92%	0.0058%	7.18%
06/08/22	4	184	0.0090%	10.93%	0.0058%	7.19%
06/09/22	4	185	0.0090%	10.93%	0.0058%	7.20%
06/10/22	4	186	0.0090%	10.94%	0.0058%	7.20%
06/11/22	4	187	0.0090%	10.95%	0.0058%	7.21%
06/12/22	4	188	0.0090%	10.96%	0.0058%	7.21%
06/13/22	4	189	0.0090%	10.97%	0.0058%	7.22%
06/14/22	4	190	0.0090%	10.98%	0.0058%	7.23%
06/15/22	4	191	0.0090%	10.99%	0.0058%	7.23%
06/16/22	4	192	0.0090%	11.00%	0.0058%	7.24%
06/17/22	4	193	0.0090%	11.01%	0.0058%	7.24%
06/18/22	4	194	0.0090%	11.02%	0.0058%	7.25%
06/19/22	4	195	0.0090%	11.02%	0.0058%	7.25%
06/20/22	4	196	0.0090%	11.03%	0.0058%	7.26%
06/21/22	4	197	0.0090%	11.04%	0.0058%	7.27%
06/22/22	4	198	0.0090%	11.05%	0.0058%	7.27%
06/23/22	4	199	0.0090%	11.06%	0.0058%	7.28%
06/24/22	4	200	0.0090%	11.07%	0.0058%	7.28%
06/25/22	4	201	0.0090%	11.08%	0.0058%	7.29%
06/26/22	4	202	0.0090%	11.09%	0.0058%	7.30%
06/27/22	4	203	0.0090%	11.10%	0.0058%	7.30%
06/28/22	4	204	0.0090%	11.10%	0.0058%	7.31%

06/29/22	4	205	0.0090%	11.11%	0.0058%	7.31%
06/30/22	4	206	0.0090%	11.12%	0.0058%	7.32%
07/01/22	4	207	0.0090%	11.13%	0.0058%	7.32%
07/02/22	4	208	0.0090%	11.14%	0.0058%	7.33%
07/03/22	4	209	0.0090%	11.15%	0.0058%	7.34%
07/04/22	4	210	0.0090%	11.16%	0.0058%	7.34%
07/05/22	4	211	0.0090%	11.17%	0.0058%	7.35%
07/06/22	4	212	0.0090%	11.18%	0.0058%	7.35%
07/07/22	4	213	0.0090%	11.19%	0.0058%	7.36%
07/08/22	4	214	0.0090%	11.19%	0.0058%	7.37%
07/09/22	4	215	0.0090%	11.20%	0.0058%	7.37%
07/10/22	4	216	0.0090%	11.21%	0.0058%	7.38%
07/11/22	4	217	0.0090%	11.22%	0.0058%	7.38%
07/12/22	4	218	0.0090%	11.23%	0.0058%	7.39%
07/13/22	4	219	0.0090%	11.24%	0.0058%	7.39%
07/14/22	4	220	0.0090%	11.25%	0.0058%	7.40%
07/15/22	4	221	0.0090%	11.26%	0.0058%	7.41%
07/16/22	4	222	0.0090%	11.27%	0.0058%	7.41%
07/17/22	4	223	0.0090%	11.28%	0.0058%	7.42%
07/18/22	4	224	0.0090%	11.28%	0.0058%	7.42%
07/19/22	4	225	0.0090%	11.29%	0.0058%	7.43%
07/20/22	4	226	0.0090%	11.30%	0.0058%	7.43%
07/21/22	4	227	0.0090%	11.31%	0.0058%	7.44%
07/22/22	4	228	0.0090%	11.32%	0.0058%	7.45%
07/23/22	4	229	0.0090%	11.33%	0.0058%	7.45%
07/24/22	4	230	0.0090%	11.34%	0.0058%	7.46%
07/25/22	4	231	0.0090%	11.35%	0.0058%	7.46%
07/26/22	4	232	0.0090%	11.36%	0.0058%	7.47%
07/27/22	4	233	0.0090%	11.37%	0.0058%	7.48%
07/28/22	4	234	0.0090%	11.37%	0.0058%	7.48%
07/29/22	4	235	0.0090%	11.38%	0.0058%	7.49%
07/30/22	4	236	0.0090%	11.39%	0.0058%	7.49%
07/31/22	4	237	0.0090%	11.40%	0.0058%	7.50%
08/01/22	4	238	0.0090%	11.41%	0.0058%	7.50%
08/02/22	4	239	0.0090%	11.42%	0.0058%	7.51%
08/03/22	4	240	0.0090%	11.43%	0.0058%	7.52%
08/04/22	4	241	0.0090%	11.44%	0.0058%	7.52%
08/05/22	4	242	0.0090%	11.45%	0.0058%	7.53%
08/06/22	4	243	0.0090%	11.46%	0.0058%	7.53%
08/07/22	4	244	0.0090%	11.46%	0.0058%	7.54%
08/08/22	4	245	0.0090%	11.47%	0.0058%	7.55%
08/09/22	4	246	0.0090%	11.48%	0.0058%	7.55%
08/10/22	4	247	0.0090%	11.49%	0.0058%	7.56%
08/11/22	4	248	0.0090%	11.50%	0.0058%	7.56%
08/12/22	4	249	0.0090%	11.51%	0.0058%	7.57%
08/13/22	4	250	0.0090%	11.52%	0.0058%	7.57%
08/14/22	4	251	0.0090%	11.53%	0.0058%	7.58%
08/15/22	4	252	0.0090%	11.54%	0.0058%	7.59%
08/16/22	4	253	0.0090%	11.54%	0.0058%	7.59%
08/17/22	4	254	0.0090%	11.55%	0.0058%	7.60%
08/18/22	4	255	0.0090%	11.56%	0.0058%	7.60%
08/19/22	4	256	0.0090%	11.57%	0.0058%	7.61%
08/20/22	4	257	0.0090%	11.58%	0.0058%	7.62%
08/21/22	4	258	0.0090%	11.59%	0.0058%	7.62%
08/22/22	4	259	0.0090%	11.60%	0.0058%	7.63%
08/23/22	4	260	0.0090%	11.61%	0.0058%	7.63%
08/24/22	4	261	0.0090%	11.62%	0.0058%	7.64%
08/25/22	4	262	0.0090%	11.63%	0.0058%	7.64%
08/26/22	4	263	0.0090%	11.63%	0.0058%	7.65%
08/27/22	4	264	0.0090%	11.64%	0.0058%	7.66%
08/28/22	4	265	0.0090%	11.65%	0.0058%	7.66%
08/29/22	4	266	0.0090%	11.66%	0.0058%	7.67%
08/30/22	4	267	0.0090%	11.67%	0.0058%	7.67%
08/31/22	4	268	0.0090%	11.68%	0.0058%	7.68%
09/01/22	4	269	0.0090%	11.69%	0.0058%	7.68%
09/02/22	4	270	0.0090%	11.70%	0.0058%	7.69%
09/03/22	4	271	0.0090%	11.71%	0.0058%	7.70%
09/04/22	4	272	0.0090%	11.72%	0.0058%	7.70%
09/05/22	4	273	0.0090%	11.72%	0.0058%	7.71%
09/06/22	4	274	0.0090%	11.73%	0.0058%	7.71%
09/07/22	4	275	0.0090%	11.74%	0.0058%	7.72%
09/08/22	4	276	0.0090%	11.75%	0.0058%	7.73%
09/09/22	4	277	0.0090%	11.76%	0.0058%	7.73%
09/10/22	4	278	0.0090%	11.77%	0.0058%	7.74%
09/11/22	4	279	0.0090%	11.78%	0.0058%	7.74%
09/12/22	4	280	0.0090%	11.79%	0.0058%	7.75%
09/13/22	4	281	0.0090%	11.80%	0.0058%	7.75%
09/14/22	4	282	0.0090%	11.81%	0.0058%	7.76%
09/15/22	4	283	0.0090%	11.81%	0.0058%	7.77%
09/16/22	4	284	0.0090%	11.82%	0.0058%	7.77%
09/17/22	4	285	0.0090%	11.83%	0.0058%	7.78%
09/18/22	4	286	0.0090%	11.84%	0.0058%	7.78%
09/19/22	4	287	0.0090%	11.85%	0.0058%	7.79%
09/20/22	4	288	0.0090%	11.86%	0.0058%	7.80%
09/21/22	4	289	0.0090%	11.87%	0.0058%	7.80%
09/22/22	4	290	0.0090%	11.88%	0.0058%	7.81%
09/23/22	4	291	0.0090%	11.89%	0.0058%	7.81%
09/24/22	4	292	0.0090%	11.90%	0.0058%	7.82%
09/25/22	4	293	0.0090%	11.90%	0.0058%	7.82%
09/26/22	4	294	0.0090%	11.91%	0.0058%	7.83%
09/27/22	4	295	0.0090%	11.92%	0.0058%	7.84%
09/28/22	4	296	0.0090%	11.93%	0.0058%	7.84%
09/29/22	4	297	0.0090%	11.94%	0.0058%	7.85%
09/30/22	4	298	0.0090%	11.95%	0.0058%	7.85%
10/01/22	4	299	0.0090%	11.96%	0.0058%	7.86%
10/02/22	4	300	0.0090%	11.97%	0.0058%	7.87%
10/03/22	4	301	0.0090%	11.98%	0.0058%	7.87%
10/04/22	4	302	0.0090%	11.99%	0.0058%	7.88%
10/05/22	4	303	0.0090%	11.99%	0.0058%	7.88%
10/06/22	4	304	0.0090%	12.00%	0.0058%	7.89%
10/07/22	4	305	0.0090%	12.01%	0.0058%	7.89%
10/08/22	4	306	0.0090%	12.02%	0.0058%	7.90%
10/09/22	4	307	0.0090%	12.03%	0.0058%	7.91%
10/10/22	4	308	0.0090%	12.04%	0.0058%	7.91%
10/11/22	4	309	0.0090%	12.05%	0.0058%	7.92%
10/12/22	4	310	0.0090%	12.06%	0.0058%	7.92%
10/13/22	4	311	0.0090%	12.07%	0.0058%	7.93%
10/14/22	4	312	0.0090%	12.07%	0.0058%	7.94%
10/15/22	4	313	0.0090%	12.08%	0.0058%	7.94%

10/16/22	4	314	0.0090%	12.09%	0.0058%	7.95%
10/17/22	4	315	0.0090%	12.10%	0.0058%	7.95%
10/18/22	4	316	0.0090%	12.11%	0.0058%	7.96%
10/19/22	4	317	0.0090%	12.12%	0.0058%	7.96%
10/20/22	4	318	0.0090%	12.13%	0.0058%	7.97%
10/21/22	4	319	0.0090%	12.14%	0.0058%	7.98%
10/22/22	4	320	0.0090%	12.15%	0.0058%	7.98%
10/23/22	4	321	0.0090%	12.16%	0.0058%	7.99%
10/24/22	4	322	0.0090%	12.16%	0.0058%	7.99%
10/25/22	4	323	0.0090%	12.17%	0.0058%	8.00%
10/26/22	4	324	0.0090%	12.18%	0.0058%	8.00%
10/27/22	4	325	0.0090%	12.19%	0.0058%	8.01%
10/28/22	4	326	0.0090%	12.20%	0.0058%	8.02%
10/29/22	4	327	0.0090%	12.21%	0.0058%	8.02%
10/30/22	4	328	0.0090%	12.22%	0.0058%	8.03%
10/31/22	4	329	0.0090%	12.23%	0.0058%	8.03%
11/01/22	4	330	0.0090%	12.24%	0.0058%	8.04%
11/02/22	4	331	0.0090%	12.25%	0.0058%	8.05%
11/03/22	4	332	0.0090%	12.25%	0.0058%	8.05%
11/04/22	4	333	0.0090%	12.26%	0.0058%	8.06%
11/05/22	4	334	0.0090%	12.27%	0.0058%	8.06%
11/06/22	4	335	0.0090%	12.28%	0.0058%	8.07%
11/07/22	4	336	0.0090%	12.29%	0.0058%	8.07%
11/08/22	4	337	0.0090%	12.30%	0.0058%	8.08%
11/09/22	4	338	0.0090%	12.31%	0.0058%	8.09%
11/10/22	4	339	0.0090%	12.32%	0.0058%	8.09%
11/11/22	4	340	0.0090%	12.33%	0.0058%	8.10%
11/12/22	4	341	0.0090%	12.34%	0.0058%	8.10%
11/13/22	4	342	0.0090%	12.34%	0.0058%	8.11%
11/14/22	4	343	0.0090%	12.35%	0.0058%	8.12%
11/15/22	4	344	0.0090%	12.36%	0.0058%	8.12%
11/16/22	4	345	0.0090%	12.37%	0.0058%	8.13%
11/17/22	4	346	0.0090%	12.38%	0.0058%	8.13%
11/18/22	4	347	0.0090%	12.39%	0.0058%	8.14%
11/19/22	4	348	0.0090%	12.40%	0.0058%	8.14%
11/20/22	4	349	0.0090%	12.41%	0.0058%	8.15%
11/21/22	4	350	0.0090%	12.42%	0.0058%	8.16%
11/22/22	4	351	0.0090%	12.43%	0.0058%	8.16%
11/23/22	4	352	0.0090%	12.43%	0.0058%	8.17%
11/24/22	4	353	0.0090%	12.44%	0.0058%	8.17%
11/25/22	4	354	0.0090%	12.45%	0.0058%	8.18%
11/26/22	4	355	0.0090%	12.46%	0.0058%	8.19%
11/27/22	4	356	0.0090%	12.47%	0.0058%	8.19%
11/28/22	4	357	0.0090%	12.48%	0.0058%	8.20%
11/29/22	4	358	0.0090%	12.49%	0.0058%	8.20%
11/30/22	4	359	0.0090%	12.50%	0.0058%	8.21%
12/01/22	4	360	0.0090%	12.51%	0.0058%	8.21%
12/02/22	4	361	0.0090%	12.51%	0.0058%	8.22%
12/03/22	4	362	0.0090%	12.52%	0.0058%	8.23%
12/04/22	4	363	0.0090%	12.53%	0.0058%	8.23%
12/05/22	4	364	0.0090%	12.54%	0.0058%	8.24%
12/06/22	4	365	0.0090%	12.55%	0.0058%	8.24%
Check	4			12.55%		8.24%

Overall 3% Cap (Section 393.1655.3)

Line No.	Description	Average Overall Rate Effective December 6, 2018				Proposed Revenue for Recovery with semi-annual FAC rate update (30th Accumulation)				
		Total Revenue	Total Sales kWh	Tariff Rate	Tariff w/Avg VAF	Total Revenue	Total Sales kWh	Tariff Rate	Tariff w/Avg VAF	
1	Base Revenue					Base Revenue				
2	2018 Rate Case Revenue per Stipulation	\$ 744,758,135				2022 Annualized Revenue	\$ 711,147,029			
3	2018 Rate Case Revenue Decrease	(23,981,212)				2022 Revenue Requirement Ask	60,900,000			
4	Total Revenue Required	\$ 720,776,923	7,957,355,672	\$ 0.09058	\$ 0.09058	Avg Base Rate	\$ 772,047,029	7,931,627,780	\$ 0.09734	\$ 0.09734
5	effective 12/6/2018 ER-2018-0146					effective 12/6/2018 ER-2018-0146				
6	Rider Revenue					Rider Revenue				
7	RESRAM	\$ 7,207,581	8,719,922,175	\$ 0.00083	\$ 0.00083	Avg Rider Rate	\$ 7,720,470	8,091,385,105	\$ 0.00095	\$ 0.00095
8	effective 12/1/2018 ET-2019-0092					1% rate case revenue				
9										
10	FAC					FAC				
11	21st Accumulation					29th Accumulation				
12	Recovered March 2018 - February 2019					Recovered March 2022 - February 2023				
13	Total FPA includes true-up	\$ 8,315,398	8,761,343,321	\$ 0.00095	\$ 0.00096	Avg Rider Rate	\$ 47,488,718	8,632,897,538	\$ 0.00550	\$ 0.00556
14	Weighted Avg VAF using Rate Case ER-2018-0146		0.010670			Total FPA includes true-up		0.010398		
15	22nd Accumulation					30th AP				
16	Recovered September 2018 - August 2019					Recovered September 2022 - August 2023				
17	Total FPA includes true-up	\$ 11,366,822	8,785,320,152	\$ 0.00129	\$ 0.00130	Avg Rider Rate	\$ 13,604,020	8,659,609,098	\$ 0.00157	\$ 0.00159
18	Weighted Avg VAF using Rate Case ER-2018-0146		0.010670			Total FPA includes true-up		0.010398		
19						Weighted Avg VAF using Rate Case ER-2018-0146				
20	Total Revenue Allowed to Recover	\$ 747,666,724			\$ 0.09367	Avg Overall Rate	\$ 840,860,237			\$ 0.10543
21						Proposed Projected Revenue to Recover				
22						Rate Incr / (Decr) over Avg Overall Rate			\$ 0.01176	
23						Projected Rate Change			12.55%	
24										
25	For rates effective	12/6/2022				Adjustment amount in excess of Avg Overall Rate Cap:	12.55%			
26						Amount Deferred (393.1655.5)	\$ -	\$ -	\$ -	
27						Proposed Projected Revenue to Recover	\$ 840,860,237			\$ 0.10543
28	3% Average Overall Rate Cap is actually:				12.5509%					
29						Rate Incr / (Decr) over Avg Overall Rate			\$ 0.01176	
30						Projected Rate Change			12.55%	

2022 Annualized Revenue - less Nucor billed Revenue Requirement Ask 59,766,677
Total Revenues

After Adjustment:

Revised tariff amount	Revenue	Sales kWh	Tariff Rate
Original 30th AP	\$ 13,604,020	8,659,609,098	\$ 0.00157
Amount Deferred	-	-	-
Final 30th AP FPA	\$ 13,604,020	8,659,609,098	\$ 0.00157

Large Power 2% Cap (Section 393.1655.6)

Line No.	Description	Class Average Overall Rate Effective December 6, 2018				Proposed Revenue for Recovery with semi-annual FAC rate update (30th Accumulation)				
		Large Power Revenue	Large Power Sales kWh	LP Tariff Rate	LP Tariff w/Avg VAF	Large Power Revenue	Large Power Sales kWh	LP Tariff Rate	LP Tariff w/Avg VAF	
33	Base Revenue LP					Base Revenue LP				
34	2018 Rate Case Revenue per Stipulation	\$ 130,744,916				2022 Annualized Revenue	\$ 116,415,609			
35	2018 Rate Case Revenue Decrease	(4,209,986)				2022 Revenue Requirement Ask	7,501,489			
36	Total Revenue Required	\$ 126,534,930	2,060,228,862	\$ 0.06142	\$ 0.06142	Class Avg Base Rate	\$ 123,917,098	1,943,612,246	\$ 0.06376	\$ 0.06376
37	effective 12/6/2018 ER-2018-0146		25.89%			effective 12/6/2018 ER-2018-0146		24.50%		
38	Rider Revenue					Rider Revenue				
39	RESRAM LP	\$ 1,873,798	2,257,587,851	\$ 0.00083	\$ 0.00083	Class Avg Rider Rate	\$ 1,883,270	1,982,389,351	\$ 0.00095	\$ 0.00095
40	effective 12/1/2018 ET-2019-0092					effective 12/1/2022 ET-2024-0094				
41										
42	FAC					FAC				
43	21st Accumulation LP					29th Accumulation LP - with 3% cap deferral when necessary				
44	Recovered March 2018 - February 2019					Recovered March 2022 - February 2023				
45	Total FPA includes true-up	\$ 2,154,896	2,268,311,786	\$ 0.00095	\$ 0.00096	Class Avg Rider Rate	\$ 12,148,416	2,208,440,965	\$ 0.00550	\$ 0.00556
46	Weighted Avg VAF using Rate Case ER-2018-0146		0.010575			Total FPA includes true-up	-	0.010326		
47	22nd Accumulation LP					30th AP LP - with 3% cap deferral when necessary				
48	Recovered September 2018 - August 2019					Recovered September 2022 - August 2023				
49	Total FPA includes true-up	\$ 2,934,130	2,274,519,387	\$ 0.00129	\$ 0.00130	Class Avg Rider Rate	\$ 3,483,615	2,217,487,512	\$ 0.00157	\$ 0.00159
50	Weighted Avg VAF using Rate Case ER-2018-0146		0.010575			Total FPA includes true-up	-	0.010326		
51						Weighted Avg VAF using Rate Case ER-2018-0146				
52	Total Revenue Allowed to Recover	\$ 133,497,754			\$ 0.06451	Class Avg Overall Rate	\$ 141,432,399			\$ 0.07185
53						Proposed Projected Revenue to Recover				
54						Rate Incr / (Decr) over Class Avg Overall Rate			\$ 0.00734	
55						Projected Rate Change			11.38%	
56										
57	For rates effective	12/6/2022				Adjustment needed if over Class Avg Overall Rate cap	8.24%			
58						Adjustment (393.1655.6)	\$ (4,434,975)	\$ (0.00200)	\$ (0.00202)	
59						Proposed Projected Revenue to Recover	\$ 136,997,424			\$ 0.06983
60	2% Class Average Overall Rate Cap is actually:				8.2432%					
61						Rate Incr / (Decr) over Class Avg Overall Rate			\$ 0.00532	
62						Projected Rate Change			8.24%	

2022 Annualized Revenue Revenue Requirement Ask Total Revenues

After Adjustment:

Revised tariff amount	Revenue	Sales kWh	Tariff Rate
Original LP FPA	\$ 3,483,615	2,217,487,512	\$ 0.00157
Adjustment	(4,434,975)		(0.00200)
Final LP FPA	\$ (951,360)	2,217,487,512	\$ (0.00043)
Ref. Tariff Sheet No. 127.23	Line 11	Line 12	Line 13

Final Non-LP FPA	\$ 14,555,380	6,442,121,586	\$ 0.00226
Ref. Tariff Sheet No. 127.23	Line 11	Line 12	Line 13

Final 30th AP FPA \$ 13,604,020 8,659,609,098

CONFIDENTIAL- MO West - Missouri Jurisdiction Class REVENUE SUMMARY - For Direct filing - ER-2022-0130

MISSOURI RATE GROUP	(A) Weather Normalized CG kWh	(B) % Weighting	(C) Revenue from Existing Rates (Including FAC, DSIM, EDR)(1)	(D) FAC Rider/Adjustments	(E) DSIM Rider/Adjustments	RESRAM	EDR Credits**	Misc. Credits	Revenue from Existing Rates less FAC & DSIM adjustments (1)*	F=(B-(C+D))	G=(F-E)	H=F*(%)	Requested Increase-(No Nucor Increase)***	Requested Increase-Including EDR Gross Up	Full Requested Increase-Revenue Shifts with EDR gross up	Adj Request-excluding Net Fuel	Proposed Revenue (1) Reg increase only-excluding Net Fuel	Proposed Revenue - Full Increase
											Full Increase:	8.31%						
LARGE POWER TOTAL	1,943,612,246	25%	\$121,423,282	\$ 938,723	\$ 2,025,231	\$ 1,729,302	\$ (702,246)	\$ 314,416	\$ 116,415,609	\$ 117,117,855	\$ 9,672,750	\$ 9,780,138	\$ 9,839,135	\$7,501,489	-\$368,479	\$116,749,376	\$124,619,343	
LARGE GEN SVC TOTAL	1,182,604,812	15%	\$94,558,738	\$697,112	\$4,078,376	\$1,081,629	\$ (1,129,553)	\$ (28,188)	\$ 88,729,808	\$ 89,859,361	\$ 7,372,390	\$ 7,454,239	\$ 7,549,134	\$5,767,424	\$978,885	\$90,838,247	\$95,626,785	
THERMAL	7,395,208	0%	\$499,365	\$5,135	\$27,464	\$6,582	\$ -	\$ -	\$ 460,184	\$ 460,184	\$ 38,236	\$ 38,660	\$ 38,660	\$29,420	-\$525	\$459,660	\$489,604	
SMALL GEN SVC TOTAL	1,190,733,354	15%	\$123,565,984	\$658,500	\$5,232,003	\$1,038,500	\$ (6,285)	\$ (49,642)	\$ 116,686,623	\$ 116,692,908	\$ 9,695,268	\$ 9,802,907	\$ 9,803,435	\$5,009,620	\$188,168	\$116,881,077	\$121,702,528	
RESIDENTIAL TOTAL	3,563,364,285	45%	\$398,954,294	\$2,100,930	\$17,677,128	\$3,205,046	\$0	\$(\$115,103)	\$ 376,086,292	\$ 376,086,292	\$ 31,248,288	\$ 31,595,214	\$ 31,595,214	\$40,777,993	\$26,349,414	\$402,435,707	\$416,864,285	
MO Metered TOTALS	7,887,709,905		\$739,001,663	\$4,400,400	\$29,040,203	\$7,061,060	\$ (1,838,084)		\$ 698,378,516	\$ 700,216,600	\$ 58,026,931	\$ 58,671,158	\$ 58,825,577	\$ 59,085,945	\$ 27,147,465	\$ 727,364,065	\$ 759,302,546	
MO Lighting TOTAL:	43,758,481		\$13,071,188	\$23,743	\$0	\$39,018	\$ -	\$ 1,476	\$ 13,006,951	\$ 13,006,951	\$ 1,080,723	\$ 1,092,721	\$ 1,092,721	\$831,539	\$654,355	\$13,661,306	\$13,838,491	
MO TOTAL*	7,931,468,385	100.00%	\$752,072,850	\$4,424,143	\$29,040,203	\$7,100,077	\$ (1,838,084)		\$ 711,385,468	\$ 713,223,552	\$ 59,107,654	\$ 59,763,879	\$ 59,918,298	\$ 59,917,485	\$ 27,801,820	\$ 741,025,371	\$ 773,141,036	
CCN	159,395		\$33,302.21	\$0.00	\$0.00	\$0.00	\$0.00		\$33,302.21	\$ 33,302	\$ 2,767	\$ 2,798	\$ 2,798	\$3,611				
NUCOR	196,825,446		\$7,898,321.33	\$0.00	\$0.00	\$0.00	\$0.00		\$7,898,321.33	\$ 7,898,321	\$ 656,256							
Total w CCN and NUCOR	8,128,453,226																	

(1) All classes' revenues reflect both EDR/MPower(DRI) credits and Manual Bill revenue.

\$ 0 Tie Out

\$ (0)

*Across all classes, consistent with the MEEIA S&A, adjustment of test year retail base sales are made to reflect MEEIA kw/kWh savings.

** EDR credits are applied top side. In order to recover the expected and allowed RR/increase, revenues must be grossed up to reflect revenues prior to reduction in order to adjust the pricing to receive the needed RR

***Nucor is under a contract price and covering their costs completely.

RR Reqmt (Request Inc) 1-7-22 \$ 59,766,677 \$ (154,418.44)

EDR gross up \$ 154,418

	Original	Adj Orig	Rev Shifts
LPS	8.31%	8.40%	7.05%
LGS	8.31%	8.40%	7.77%
SGS	8.31%	8.40%	4.30%
Thermal	8.31%	8.40%	6.39%
RES	8.31%	8.40%	10.84%
Lighting	8.31%	8.40%	5.03%

Net Fuel-related revenue		Percentage increase excl Net Fuel			
LPS	\$ 7,869,968	24.51%	LPS	-0.31%	-1.33%
LGS	\$ 4,788,538	14.91%	LGS	1.09%	3.52%
Thermal	\$ 29,944	0.09%	Thermal	-0.11%	0.00%
SGS	\$ 4,821,452	15.01%	SGS	0.16%	0.68%
RES	\$ 14,428,578	44.93%	RES	7.01%	94.76%
LIGHTING	\$ 177,184	0.55%	LIGHTING	5.03%	2.35%
	\$ 32,115,665				

Net Fuel Rev Rqmt \$ 32,115,665
\$/kWh 0.00405

KCP&L Greater Missouri Operation Class Revenue - For Settlement - ER-2018-0146

GMO RATE CLASSIFICATION	Staff's Settled Sales (kWh)	Staff's Settled Revenues	Settled Decrease	-3.22%		Staff's Settled Sales (kWh)	% of Sales	Staff's Settled Revenues	\$/kWh	% of Revenue
				Overall Decrease						
LARGE POWER TOTAL	2,060,228,862	\$ 130,744,916	\$ (4,209,986.30)	-3.22%		2,060,228,862	25.89%	\$ 126,534,930	\$ 0.06142	17.56%
LARGE GEN SVC TOTAL	1,259,931,380	\$ 99,182,696	\$ (3,193,682.81)	-3.22%		1,259,931,380	15.83%	\$ 95,989,013	\$ 0.07619	13.32%
SMALL GEN SVC TOTAL	1,166,411,321	\$ 118,921,918	\$ (3,829,285.76)	-3.22%		1,166,411,321	14.66%	\$ 115,092,632	\$ 0.09867	15.97%
RESIDENTIAL TOTAL	3,460,775,283	\$ 381,760,270	\$ (12,292,680.69)	-3.22%		3,460,775,283	43.49%	\$ 369,467,589	\$ 0.10676	51.26%
GENERAL TOD	381,187	\$ 35,159	\$ (1,132.12)	-3.22%		381,187	0.00%	\$ 34,027	\$ 0.08927	0.00%
THERMAL	8,281,604	\$ 528,228	\$ (17,008.94)	-3.22%		8,281,604	0.10%	\$ 511,219	\$ 0.06173	0.07%
METERED LIGHTING	1,346,035	\$ 120,911	\$ (3,893.33)	-3.22%		1,346,035	0.02%	\$ 117,018	\$ 0.08694	0.02%
GMO Metered TOTALS	7,957,355,672	\$ 731,294,098	\$ (23,547,670)					\$ 707,746,428	\$ 0.08894	98.19%
UNMETERED LIGHTING		\$ 13,464,037	\$ (433,541.99)	-3.22%				\$ 13,030,495		1.81%
GMO TOTAL	7,957,355,672	\$ 744,758,135	\$ (23,981,212)	-3.22%		7,957,355,672	100.00%	\$ 720,776,923	\$ 0.09058	100.00%

from COS GMO Rate Design Settlement

	Large Power	Large Gen Svc	Small Gen Svc	Residential	General TOD	Thermal	Metered Light	TOTAL	VAF ER-2018-0146	
Secondary	1,106,813,971	1,152,420,722	1,162,627,187	3,460,775,283	381,187	8,281,604	1,346,035	6,892,645,989	1.0426	7,186,272,708
Primary	565,903,500	107,510,658	3,784,133					677,198,291	1.0268	695,347,205
Primary (Transmission)	106,216,852	-	-					106,216,852	1.0100	107,279,021
Primary (Substation)	281,294,540	-	-					281,294,540	1.0133	285,035,757
	2,060,228,863	1,259,931,380	1,166,411,320	3,460,775,283	381,187	8,281,604	1,346,035	7,957,355,672		8,273,934,691
	(1)	0	1	(0)	(0)	-	-	0		
Total Company										1.0398 Average loss or VAF

from COS GMO Rate Design Settlement

	Large Power	TOTAL	VAF ER-2018-0146	
Secondary	1,106,813,971	1,106,813,971	1.0426	1,153,964,246
Primary	565,903,500	565,903,500	1.0268	581,069,714
Primary (Transmission)	106,216,852	106,216,852	1.0100	107,279,021
Primary (Substation)	281,294,540	281,294,540	1.0133	285,035,757
	2,060,228,863	2,060,228,863		2,127,348,738
	(1)	(1)		
Large Power			1.0326	Average loss or VAF

GMO FAC Intra-Year CAGR Limits

	Overall	Large Power
Date	3.00%	2.00%
GMO Semi-Annual FAC CAGR Dates		
09/01/19	2.2110%	1.4740%
03/01/20	3.7281%	2.4807%
09/01/20	5.2858%	3.5090%
03/01/21	6.8312%	4.5246%
09/01/21	8.4356%	5.5735%
03/01/22	10.0361%	6.6151%
09/01/22	11.6887%	7.6850%
Annual Rate Case CAGR Dates		
12/06/19	3.0000%	2.0000%
12/06/20	6.0900%	4.0400%
12/06/21	9.2727%	6.1208%
12/06/22	12.5509%	8.2432%

Date	Lookup		3.00%		2.00%	
	Year	Day	Daily	CAGR	Daily	CAGR
12/07/18	1	1	0.0082%	0.01%	0.0055%	0.01%
12/08/18	1	2	0.0082%	0.02%	0.0055%	0.01%
12/09/18	1	3	0.0082%	0.02%	0.0055%	0.02%
12/10/18	1	4	0.0082%	0.03%	0.0055%	0.02%
12/11/18	1	5	0.0082%	0.04%	0.0055%	0.03%
12/12/18	1	6	0.0082%	0.05%	0.0055%	0.03%
12/13/18	1	7	0.0082%	0.06%	0.0055%	0.04%
12/14/18	1	8	0.0082%	0.07%	0.0055%	0.04%
12/15/18	1	9	0.0082%	0.07%	0.0055%	0.05%
12/16/18	1	10	0.0082%	0.08%	0.0055%	0.05%
12/17/18	1	11	0.0082%	0.09%	0.0055%	0.06%
12/18/18	1	12	0.0082%	0.10%	0.0055%	0.07%
12/19/18	1	13	0.0082%	0.11%	0.0055%	0.07%
12/20/18	1	14	0.0082%	0.12%	0.0055%	0.08%
12/21/18	1	15	0.0082%	0.12%	0.0055%	0.08%
12/22/18	1	16	0.0082%	0.13%	0.0055%	0.09%
12/23/18	1	17	0.0082%	0.14%	0.0055%	0.09%
12/24/18	1	18	0.0082%	0.15%	0.0055%	0.10%
12/25/18	1	19	0.0082%	0.16%	0.0055%	0.10%
12/26/18	1	20	0.0082%	0.16%	0.0055%	0.11%
12/27/18	1	21	0.0082%	0.17%	0.0055%	0.12%
12/28/18	1	22	0.0082%	0.18%	0.0055%	0.12%
12/29/18	1	23	0.0082%	0.19%	0.0055%	0.13%
12/30/18	1	24	0.0082%	0.20%	0.0055%	0.13%
12/31/18	1	25	0.0082%	0.21%	0.0055%	0.14%
01/01/19	1	26	0.0082%	0.21%	0.0055%	0.14%
01/02/19	1	27	0.0082%	0.22%	0.0055%	0.15%
01/03/19	1	28	0.0082%	0.23%	0.0055%	0.15%
01/04/19	1	29	0.0082%	0.24%	0.0055%	0.16%
01/05/19	1	30	0.0082%	0.25%	0.0055%	0.16%
01/06/19	1	31	0.0082%	0.25%	0.0055%	0.17%
01/07/19	1	32	0.0082%	0.26%	0.0055%	0.18%
01/08/19	1	33	0.0082%	0.27%	0.0055%	0.18%
01/09/19	1	34	0.0082%	0.28%	0.0055%	0.19%
01/10/19	1	35	0.0082%	0.29%	0.0055%	0.19%
01/11/19	1	36	0.0082%	0.30%	0.0055%	0.20%
01/12/19	1	37	0.0082%	0.30%	0.0055%	0.20%
01/13/19	1	38	0.0082%	0.31%	0.0055%	0.21%
01/14/19	1	39	0.0082%	0.32%	0.0055%	0.21%
01/15/19	1	40	0.0082%	0.33%	0.0055%	0.22%
01/16/19	1	41	0.0082%	0.34%	0.0055%	0.22%
01/17/19	1	42	0.0082%	0.35%	0.0055%	0.23%
01/18/19	1	43	0.0082%	0.35%	0.0055%	0.24%
01/19/19	1	44	0.0082%	0.36%	0.0055%	0.24%
01/20/19	1	45	0.0082%	0.37%	0.0055%	0.25%
01/21/19	1	46	0.0082%	0.38%	0.0055%	0.25%
01/22/19	1	47	0.0082%	0.39%	0.0055%	0.26%
01/23/19	1	48	0.0082%	0.39%	0.0055%	0.26%
01/24/19	1	49	0.0082%	0.40%	0.0055%	0.27%
01/25/19	1	50	0.0082%	0.41%	0.0055%	0.27%
01/26/19	1	51	0.0082%	0.42%	0.0055%	0.28%
01/27/19	1	52	0.0082%	0.43%	0.0055%	0.28%
01/28/19	1	53	0.0082%	0.44%	0.0055%	0.29%
01/29/19	1	54	0.0082%	0.44%	0.0055%	0.30%
01/30/19	1	55	0.0082%	0.45%	0.0055%	0.30%
01/31/19	1	56	0.0082%	0.46%	0.0055%	0.31%
02/01/19	1	57	0.0082%	0.47%	0.0055%	0.31%
02/02/19	1	58	0.0082%	0.48%	0.0055%	0.32%
02/03/19	1	59	0.0082%	0.48%	0.0055%	0.32%
02/04/19	1	60	0.0082%	0.49%	0.0055%	0.33%
02/05/19	1	61	0.0082%	0.50%	0.0055%	0.33%
02/06/19	1	62	0.0082%	0.51%	0.0055%	0.34%
02/07/19	1	63	0.0082%	0.52%	0.0055%	0.35%
02/08/19	1	64	0.0082%	0.53%	0.0055%	0.35%
02/09/19	1	65	0.0082%	0.53%	0.0055%	0.36%
02/10/19	1	66	0.0082%	0.54%	0.0055%	0.36%
02/11/19	1	67	0.0082%	0.55%	0.0055%	0.37%
02/12/19	1	68	0.0082%	0.56%	0.0055%	0.37%
02/13/19	1	69	0.0082%	0.57%	0.0055%	0.38%
02/14/19	1	70	0.0082%	0.58%	0.0055%	0.38%
02/15/19	1	71	0.0082%	0.58%	0.0055%	0.39%
02/16/19	1	72	0.0082%	0.59%	0.0055%	0.39%
02/17/19	1	73	0.0082%	0.60%	0.0055%	0.40%
02/18/19	1	74	0.0082%	0.61%	0.0055%	0.41%
02/19/19	1	75	0.0082%	0.62%	0.0055%	0.41%
02/20/19	1	76	0.0082%	0.62%	0.0055%	0.42%
02/21/19	1	77	0.0082%	0.63%	0.0055%	0.42%
02/22/19	1	78	0.0082%	0.64%	0.0055%	0.43%
02/23/19	1	79	0.0082%	0.65%	0.0055%	0.43%
02/24/19	1	80	0.0082%	0.66%	0.0055%	0.44%
02/25/19	1	81	0.0082%	0.67%	0.0055%	0.44%
02/26/19	1	82	0.0082%	0.67%	0.0055%	0.45%
02/27/19	1	83	0.0082%	0.68%	0.0055%	0.45%
02/28/19	1	84	0.0082%	0.69%	0.0055%	0.46%
03/01/19	1	85	0.0082%	0.70%	0.0055%	0.47%
03/02/19	1	86	0.0082%	0.71%	0.0055%	0.47%
03/03/19	1	87	0.0082%	0.72%	0.0055%	0.48%
03/04/19	1	88	0.0082%	0.72%	0.0055%	0.48%
03/05/19	1	89	0.0082%	0.73%	0.0055%	0.49%
03/06/19	1	90	0.0082%	0.74%	0.0055%	0.49%
03/07/19	1	91	0.0082%	0.75%	0.0055%	0.50%
03/08/19	1	92	0.0082%	0.76%	0.0055%	0.50%
03/09/19	1	93	0.0082%	0.76%	0.0055%	0.51%
03/10/19	1	94	0.0082%	0.77%	0.0055%	0.52%
03/11/19	1	95	0.0082%	0.78%	0.0055%	0.52%
03/12/19	1	96	0.0082%	0.79%	0.0055%	0.53%
03/13/19	1	97	0.0082%	0.80%	0.0055%	0.53%
03/14/19	1	98	0.0082%	0.81%	0.0055%	0.54%
03/15/19	1	99	0.0082%	0.81%	0.0055%	0.54%
03/16/19	1	100	0.0082%	0.82%	0.0055%	0.55%
03/17/19	1	101	0.0082%	0.83%	0.0055%	0.55%
03/18/19	1	102	0.0082%	0.84%	0.0055%	0.56%
03/19/19	1	103	0.0082%	0.85%	0.0055%	0.56%
03/20/19	1	104	0.0082%	0.85%	0.0055%	0.57%
03/21/19	1	105	0.0082%	0.86%	0.0055%	0.58%
03/22/19	1	106	0.0082%	0.87%	0.0055%	0.58%
03/23/19	1	107	0.0082%	0.88%	0.0055%	0.59%

03/24/19	1	108	0.0082%	0.89%	0.0055%	0.59%
03/25/19	1	109	0.0082%	0.90%	0.0055%	0.60%
03/26/19	1	110	0.0082%	0.90%	0.0055%	0.60%
03/27/19	1	111	0.0082%	0.91%	0.0055%	0.61%
03/28/19	1	112	0.0082%	0.92%	0.0055%	0.61%
03/29/19	1	113	0.0082%	0.93%	0.0055%	0.62%
03/30/19	1	114	0.0082%	0.94%	0.0055%	0.62%
03/31/19	1	115	0.0082%	0.95%	0.0055%	0.63%
04/01/19	1	116	0.0082%	0.95%	0.0055%	0.64%
04/02/19	1	117	0.0082%	0.96%	0.0055%	0.64%
04/03/19	1	118	0.0082%	0.97%	0.0055%	0.65%
04/04/19	1	119	0.0082%	0.98%	0.0055%	0.65%
04/05/19	1	120	0.0082%	0.99%	0.0055%	0.66%
04/06/19	1	121	0.0082%	0.99%	0.0055%	0.66%
04/07/19	1	122	0.0082%	1.00%	0.0055%	0.67%
04/08/19	1	123	0.0082%	1.01%	0.0055%	0.67%
04/09/19	1	124	0.0082%	1.02%	0.0055%	0.68%
04/10/19	1	125	0.0082%	1.03%	0.0055%	0.68%
04/11/19	1	126	0.0082%	1.04%	0.0055%	0.69%
04/12/19	1	127	0.0082%	1.04%	0.0055%	0.70%
04/13/19	1	128	0.0082%	1.05%	0.0055%	0.70%
04/14/19	1	129	0.0082%	1.06%	0.0055%	0.71%
04/15/19	1	130	0.0082%	1.07%	0.0055%	0.71%
04/16/19	1	131	0.0082%	1.08%	0.0055%	0.72%
04/17/19	1	132	0.0082%	1.08%	0.0055%	0.72%
04/18/19	1	133	0.0082%	1.09%	0.0055%	0.73%
04/19/19	1	134	0.0082%	1.10%	0.0055%	0.73%
04/20/19	1	135	0.0082%	1.11%	0.0055%	0.74%
04/21/19	1	136	0.0082%	1.12%	0.0055%	0.75%
04/22/19	1	137	0.0082%	1.13%	0.0055%	0.75%
04/23/19	1	138	0.0082%	1.13%	0.0055%	0.76%
04/24/19	1	139	0.0082%	1.14%	0.0055%	0.76%
04/25/19	1	140	0.0082%	1.15%	0.0055%	0.77%
04/26/19	1	141	0.0082%	1.16%	0.0055%	0.77%
04/27/19	1	142	0.0082%	1.17%	0.0055%	0.78%
04/28/19	1	143	0.0082%	1.18%	0.0055%	0.78%
04/29/19	1	144	0.0082%	1.18%	0.0055%	0.79%
04/30/19	1	145	0.0082%	1.19%	0.0055%	0.79%
05/01/19	1	146	0.0082%	1.20%	0.0055%	0.80%
05/02/19	1	147	0.0082%	1.21%	0.0055%	0.81%
05/03/19	1	148	0.0082%	1.22%	0.0055%	0.81%
05/04/19	1	149	0.0082%	1.22%	0.0055%	0.82%
05/05/19	1	150	0.0082%	1.23%	0.0055%	0.82%
05/06/19	1	151	0.0082%	1.24%	0.0055%	0.83%
05/07/19	1	152	0.0082%	1.25%	0.0055%	0.83%
05/08/19	1	153	0.0082%	1.26%	0.0055%	0.84%
05/09/19	1	154	0.0082%	1.27%	0.0055%	0.84%
05/10/19	1	155	0.0082%	1.27%	0.0055%	0.85%
05/11/19	1	156	0.0082%	1.28%	0.0055%	0.85%
05/12/19	1	157	0.0082%	1.29%	0.0055%	0.86%
05/13/19	1	158	0.0082%	1.30%	0.0055%	0.87%
05/14/19	1	159	0.0082%	1.31%	0.0055%	0.87%
05/15/19	1	160	0.0082%	1.32%	0.0055%	0.88%
05/16/19	1	161	0.0082%	1.32%	0.0055%	0.88%
05/17/19	1	162	0.0082%	1.33%	0.0055%	0.89%
05/18/19	1	163	0.0082%	1.34%	0.0055%	0.89%
05/19/19	1	164	0.0082%	1.35%	0.0055%	0.90%
05/20/19	1	165	0.0082%	1.36%	0.0055%	0.90%
05/21/19	1	166	0.0082%	1.36%	0.0055%	0.91%
05/22/19	1	167	0.0082%	1.37%	0.0055%	0.92%
05/23/19	1	168	0.0082%	1.38%	0.0055%	0.92%
05/24/19	1	169	0.0082%	1.39%	0.0055%	0.93%
05/25/19	1	170	0.0082%	1.40%	0.0055%	0.93%
05/26/19	1	171	0.0082%	1.41%	0.0055%	0.94%
05/27/19	1	172	0.0082%	1.41%	0.0055%	0.94%
05/28/19	1	173	0.0082%	1.42%	0.0055%	0.95%
05/29/19	1	174	0.0082%	1.43%	0.0055%	0.95%
05/30/19	1	175	0.0082%	1.44%	0.0055%	0.96%
05/31/19	1	176	0.0082%	1.45%	0.0055%	0.96%
06/01/19	1	177	0.0082%	1.45%	0.0055%	0.97%
06/02/19	1	178	0.0082%	1.46%	0.0055%	0.98%
06/03/19	1	179	0.0082%	1.47%	0.0055%	0.98%
06/04/19	1	180	0.0082%	1.48%	0.0055%	0.99%
06/05/19	1	181	0.0082%	1.49%	0.0055%	0.99%
06/06/19	1	182	0.0082%	1.50%	0.0055%	1.00%
06/07/19	1	183	0.0082%	1.50%	0.0055%	1.00%
06/08/19	1	184	0.0082%	1.51%	0.0055%	1.01%
06/09/19	1	185	0.0082%	1.52%	0.0055%	1.01%
06/10/19	1	186	0.0082%	1.53%	0.0055%	1.02%
06/11/19	1	187	0.0082%	1.54%	0.0055%	1.02%
06/12/19	1	188	0.0082%	1.55%	0.0055%	1.03%
06/13/19	1	189	0.0082%	1.55%	0.0055%	1.04%
06/14/19	1	190	0.0082%	1.56%	0.0055%	1.04%
06/15/19	1	191	0.0082%	1.57%	0.0055%	1.05%
06/16/19	1	192	0.0082%	1.58%	0.0055%	1.05%
06/17/19	1	193	0.0082%	1.59%	0.0055%	1.06%
06/18/19	1	194	0.0082%	1.59%	0.0055%	1.06%
06/19/19	1	195	0.0082%	1.60%	0.0055%	1.07%
06/20/19	1	196	0.0082%	1.61%	0.0055%	1.07%
06/21/19	1	197	0.0082%	1.62%	0.0055%	1.08%
06/22/19	1	198	0.0082%	1.63%	0.0055%	1.08%
06/23/19	1	199	0.0082%	1.64%	0.0055%	1.09%
06/24/19	1	200	0.0082%	1.64%	0.0055%	1.10%
06/25/19	1	201	0.0082%	1.65%	0.0055%	1.10%
06/26/19	1	202	0.0082%	1.66%	0.0055%	1.11%
06/27/19	1	203	0.0082%	1.67%	0.0055%	1.11%
06/28/19	1	204	0.0082%	1.68%	0.0055%	1.12%
06/29/19	1	205	0.0082%	1.68%	0.0055%	1.12%
06/30/19	1	206	0.0082%	1.69%	0.0055%	1.13%
07/01/19	1	207	0.0082%	1.70%	0.0055%	1.13%
07/02/19	1	208	0.0082%	1.71%	0.0055%	1.14%
07/03/19	1	209	0.0082%	1.72%	0.0055%	1.15%
07/04/19	1	210	0.0082%	1.73%	0.0055%	1.15%
07/05/19	1	211	0.0082%	1.73%	0.0055%	1.16%
07/06/19	1	212	0.0082%	1.74%	0.0055%	1.16%
07/07/19	1	213	0.0082%	1.75%	0.0055%	1.17%
07/08/19	1	214	0.0082%	1.76%	0.0055%	1.17%
07/09/19	1	215	0.0082%	1.77%	0.0055%	1.18%
07/10/19	1	216	0.0082%	1.78%	0.0055%	1.18%

07/11/19	1	217	0.0082%	1.78%	0.0055%	1.19%
07/12/19	1	218	0.0082%	1.79%	0.0055%	1.19%
07/13/19	1	219	0.0082%	1.80%	0.0055%	1.20%
07/14/19	1	220	0.0082%	1.81%	0.0055%	1.21%
07/15/19	1	221	0.0082%	1.82%	0.0055%	1.21%
07/16/19	1	222	0.0082%	1.82%	0.0055%	1.22%
07/17/19	1	223	0.0082%	1.83%	0.0055%	1.22%
07/18/19	1	224	0.0082%	1.84%	0.0055%	1.23%
07/19/19	1	225	0.0082%	1.85%	0.0055%	1.23%
07/20/19	1	226	0.0082%	1.86%	0.0055%	1.24%
07/21/19	1	227	0.0082%	1.87%	0.0055%	1.24%
07/22/19	1	228	0.0082%	1.87%	0.0055%	1.25%
07/23/19	1	229	0.0082%	1.88%	0.0055%	1.25%
07/24/19	1	230	0.0082%	1.89%	0.0055%	1.26%
07/25/19	1	231	0.0082%	1.90%	0.0055%	1.27%
07/26/19	1	232	0.0082%	1.91%	0.0055%	1.27%
07/27/19	1	233	0.0082%	1.92%	0.0055%	1.28%
07/28/19	1	234	0.0082%	1.92%	0.0055%	1.28%
07/29/19	1	235	0.0082%	1.93%	0.0055%	1.29%
07/30/19	1	236	0.0082%	1.94%	0.0055%	1.29%
07/31/19	1	237	0.0082%	1.95%	0.0055%	1.30%
08/01/19	1	238	0.0082%	1.96%	0.0055%	1.30%
08/02/19	1	239	0.0082%	1.96%	0.0055%	1.31%
08/03/19	1	240	0.0082%	1.97%	0.0055%	1.32%
08/04/19	1	241	0.0082%	1.98%	0.0055%	1.32%
08/05/19	1	242	0.0082%	1.99%	0.0055%	1.33%
08/06/19	1	243	0.0082%	2.00%	0.0055%	1.33%
08/07/19	1	244	0.0082%	2.01%	0.0055%	1.34%
08/08/19	1	245	0.0082%	2.01%	0.0055%	1.34%
08/09/19	1	246	0.0082%	2.02%	0.0055%	1.35%
08/10/19	1	247	0.0082%	2.03%	0.0055%	1.35%
08/11/19	1	248	0.0082%	2.04%	0.0055%	1.36%
08/12/19	1	249	0.0082%	2.05%	0.0055%	1.36%
08/13/19	1	250	0.0082%	2.05%	0.0055%	1.37%
08/14/19	1	251	0.0082%	2.06%	0.0055%	1.38%
08/15/19	1	252	0.0082%	2.07%	0.0055%	1.38%
08/16/19	1	253	0.0082%	2.08%	0.0055%	1.39%
08/17/19	1	254	0.0082%	2.09%	0.0055%	1.39%
08/18/19	1	255	0.0082%	2.10%	0.0055%	1.40%
08/19/19	1	256	0.0082%	2.10%	0.0055%	1.40%
08/20/19	1	257	0.0082%	2.11%	0.0055%	1.41%
08/21/19	1	258	0.0082%	2.12%	0.0055%	1.41%
08/22/19	1	259	0.0082%	2.13%	0.0055%	1.42%
08/23/19	1	260	0.0082%	2.14%	0.0055%	1.42%
08/24/19	1	261	0.0082%	2.15%	0.0055%	1.43%
08/25/19	1	262	0.0082%	2.15%	0.0055%	1.44%
08/26/19	1	263	0.0082%	2.16%	0.0055%	1.44%
08/27/19	1	264	0.0082%	2.17%	0.0055%	1.45%
08/28/19	1	265	0.0082%	2.18%	0.0055%	1.45%
08/29/19	1	266	0.0082%	2.19%	0.0055%	1.46%
08/30/19	1	267	0.0082%	2.19%	0.0055%	1.46%
08/31/19	1	268	0.0082%	2.20%	0.0055%	1.47%
09/01/19	1	269	0.0082%	2.21%	0.0055%	1.47%
09/02/19	1	270	0.0082%	2.22%	0.0055%	1.48%
09/03/19	1	271	0.0082%	2.23%	0.0055%	1.48%
09/04/19	1	272	0.0082%	2.24%	0.0055%	1.49%
09/05/19	1	273	0.0082%	2.24%	0.0055%	1.50%
09/06/19	1	274	0.0082%	2.25%	0.0055%	1.50%
09/07/19	1	275	0.0082%	2.26%	0.0055%	1.51%
09/08/19	1	276	0.0082%	2.27%	0.0055%	1.51%
09/09/19	1	277	0.0082%	2.28%	0.0055%	1.52%
09/10/19	1	278	0.0082%	2.28%	0.0055%	1.52%
09/11/19	1	279	0.0082%	2.29%	0.0055%	1.53%
09/12/19	1	280	0.0082%	2.30%	0.0055%	1.53%
09/13/19	1	281	0.0082%	2.31%	0.0055%	1.54%
09/14/19	1	282	0.0082%	2.32%	0.0055%	1.55%
09/15/19	1	283	0.0082%	2.33%	0.0055%	1.55%
09/16/19	1	284	0.0082%	2.33%	0.0055%	1.56%
09/17/19	1	285	0.0082%	2.34%	0.0055%	1.56%
09/18/19	1	286	0.0082%	2.35%	0.0055%	1.57%
09/19/19	1	287	0.0082%	2.36%	0.0055%	1.57%
09/20/19	1	288	0.0082%	2.37%	0.0055%	1.58%
09/21/19	1	289	0.0082%	2.38%	0.0055%	1.58%
09/22/19	1	290	0.0082%	2.38%	0.0055%	1.59%
09/23/19	1	291	0.0082%	2.39%	0.0055%	1.59%
09/24/19	1	292	0.0082%	2.40%	0.0055%	1.60%
09/25/19	1	293	0.0082%	2.41%	0.0055%	1.61%
09/26/19	1	294	0.0082%	2.42%	0.0055%	1.61%
09/27/19	1	295	0.0082%	2.42%	0.0055%	1.62%
09/28/19	1	296	0.0082%	2.43%	0.0055%	1.62%
09/29/19	1	297	0.0082%	2.44%	0.0055%	1.63%
09/30/19	1	298	0.0082%	2.45%	0.0055%	1.63%
10/01/19	1	299	0.0082%	2.46%	0.0055%	1.64%
10/02/19	1	300	0.0082%	2.47%	0.0055%	1.64%
10/03/19	1	301	0.0082%	2.47%	0.0055%	1.65%
10/04/19	1	302	0.0082%	2.48%	0.0055%	1.65%
10/05/19	1	303	0.0082%	2.49%	0.0055%	1.66%
10/06/19	1	304	0.0082%	2.50%	0.0055%	1.67%
10/07/19	1	305	0.0082%	2.51%	0.0055%	1.67%
10/08/19	1	306	0.0082%	2.52%	0.0055%	1.68%
10/09/19	1	307	0.0082%	2.52%	0.0055%	1.68%
10/10/19	1	308	0.0082%	2.53%	0.0055%	1.69%
10/11/19	1	309	0.0082%	2.54%	0.0055%	1.69%
10/12/19	1	310	0.0082%	2.55%	0.0055%	1.70%
10/13/19	1	311	0.0082%	2.56%	0.0055%	1.70%
10/14/19	1	312	0.0082%	2.56%	0.0055%	1.71%
10/15/19	1	313	0.0082%	2.57%	0.0055%	1.72%
10/16/19	1	314	0.0082%	2.58%	0.0055%	1.72%
10/17/19	1	315	0.0082%	2.59%	0.0055%	1.73%
10/18/19	1	316	0.0082%	2.60%	0.0055%	1.73%
10/19/19	1	317	0.0082%	2.61%	0.0055%	1.74%
10/20/19	1	318	0.0082%	2.61%	0.0055%	1.74%
10/21/19	1	319	0.0082%	2.62%	0.0055%	1.75%
10/22/19	1	320	0.0082%	2.63%	0.0055%	1.75%
10/23/19	1	321	0.0082%	2.64%	0.0055%	1.76%
10/24/19	1	322	0.0082%	2.65%	0.0055%	1.76%
10/25/19	1	323	0.0082%	2.65%	0.0055%	1.77%
10/26/19	1	324	0.0082%	2.66%	0.0055%	1.78%
10/27/19	1	325	0.0082%	2.67%	0.0055%	1.78%

10/28/19	1	326	0.0082%	2.68%	0.0055%	1.79%
10/29/19	1	327	0.0082%	2.69%	0.0055%	1.79%
10/30/19	1	328	0.0082%	2.70%	0.0055%	1.80%
10/31/19	1	329	0.0082%	2.70%	0.0055%	1.80%
11/01/19	1	330	0.0082%	2.71%	0.0055%	1.81%
11/02/19	1	331	0.0082%	2.72%	0.0055%	1.81%
11/03/19	1	332	0.0082%	2.73%	0.0055%	1.82%
11/04/19	1	333	0.0082%	2.74%	0.0055%	1.82%
11/05/19	1	334	0.0082%	2.75%	0.0055%	1.83%
11/06/19	1	335	0.0082%	2.75%	0.0055%	1.84%
11/07/19	1	336	0.0082%	2.76%	0.0055%	1.84%
11/08/19	1	337	0.0082%	2.77%	0.0055%	1.85%
11/09/19	1	338	0.0082%	2.78%	0.0055%	1.85%
11/10/19	1	339	0.0082%	2.79%	0.0055%	1.86%
11/11/19	1	340	0.0082%	2.79%	0.0055%	1.86%
11/12/19	1	341	0.0082%	2.80%	0.0055%	1.87%
11/13/19	1	342	0.0082%	2.81%	0.0055%	1.87%
11/14/19	1	343	0.0082%	2.82%	0.0055%	1.88%
11/15/19	1	344	0.0082%	2.83%	0.0055%	1.88%
11/16/19	1	345	0.0082%	2.84%	0.0055%	1.89%
11/17/19	1	346	0.0082%	2.84%	0.0055%	1.90%
11/18/19	1	347	0.0082%	2.85%	0.0055%	1.90%
11/19/19	1	348	0.0082%	2.86%	0.0055%	1.91%
11/20/19	1	349	0.0082%	2.87%	0.0055%	1.91%
11/21/19	1	350	0.0082%	2.88%	0.0055%	1.92%
11/22/19	1	351	0.0082%	2.88%	0.0055%	1.92%
11/23/19	1	352	0.0082%	2.89%	0.0055%	1.93%
11/24/19	1	353	0.0082%	2.90%	0.0055%	1.93%
11/25/19	1	354	0.0082%	2.91%	0.0055%	1.94%
11/26/19	1	355	0.0082%	2.92%	0.0055%	1.95%
11/27/19	1	356	0.0082%	2.93%	0.0055%	1.95%
11/28/19	1	357	0.0082%	2.93%	0.0055%	1.96%
11/29/19	1	358	0.0082%	2.94%	0.0055%	1.96%
11/30/19	1	359	0.0082%	2.95%	0.0055%	1.97%
12/01/19	1	360	0.0082%	2.96%	0.0055%	1.97%
12/02/19	1	361	0.0082%	2.97%	0.0055%	1.98%
12/03/19	1	362	0.0082%	2.98%	0.0055%	1.98%
12/04/19	1	363	0.0082%	2.98%	0.0055%	1.99%
12/05/19	1	364	0.0082%	2.99%	0.0055%	1.99%
12/06/19	1	365	0.0082%	3.00%	0.0055%	2.00%
Check	1			3.00%		2.00%

12/07/19	2	1	0.0085%	3.01%	0.0056%	2.01%
12/08/19	2	2	0.0085%	3.02%	0.0056%	2.01%
12/09/19	2	3	0.0085%	3.03%	0.0056%	2.02%
12/10/19	2	4	0.0085%	3.03%	0.0056%	2.02%
12/11/19	2	5	0.0085%	3.04%	0.0056%	2.03%
12/12/19	2	6	0.0085%	3.05%	0.0056%	2.03%
12/13/19	2	7	0.0085%	3.06%	0.0056%	2.04%
12/14/19	2	8	0.0085%	3.07%	0.0056%	2.04%
12/15/19	2	9	0.0085%	3.08%	0.0056%	2.05%
12/16/19	2	10	0.0085%	3.08%	0.0056%	2.06%
12/17/19	2	11	0.0085%	3.09%	0.0056%	2.06%
12/18/19	2	12	0.0085%	3.10%	0.0056%	2.07%
12/19/19	2	13	0.0085%	3.11%	0.0056%	2.07%
12/20/19	2	14	0.0085%	3.12%	0.0056%	2.08%
12/21/19	2	15	0.0085%	3.13%	0.0056%	2.08%
12/22/19	2	16	0.0085%	3.14%	0.0056%	2.09%
12/23/19	2	17	0.0085%	3.14%	0.0056%	2.10%
12/24/19	2	18	0.0085%	3.15%	0.0056%	2.10%
12/25/19	2	19	0.0085%	3.16%	0.0056%	2.11%
12/26/19	2	20	0.0085%	3.17%	0.0056%	2.11%
12/27/19	2	21	0.0085%	3.18%	0.0056%	2.12%
12/28/19	2	22	0.0085%	3.19%	0.0056%	2.12%
12/29/19	2	23	0.0085%	3.19%	0.0056%	2.13%
12/30/19	2	24	0.0085%	3.20%	0.0056%	2.13%
12/31/19	2	25	0.0085%	3.21%	0.0056%	2.14%
01/01/20	2	26	0.0085%	3.22%	0.0056%	2.15%
01/02/20	2	27	0.0085%	3.23%	0.0056%	2.15%
01/03/20	2	28	0.0085%	3.24%	0.0056%	2.16%
01/04/20	2	29	0.0085%	3.25%	0.0056%	2.16%
01/05/20	2	30	0.0085%	3.25%	0.0056%	2.17%
01/06/20	2	31	0.0085%	3.26%	0.0056%	2.17%
01/07/20	2	32	0.0085%	3.27%	0.0056%	2.18%
01/08/20	2	33	0.0085%	3.28%	0.0056%	2.18%
01/09/20	2	34	0.0085%	3.29%	0.0056%	2.19%
01/10/20	2	35	0.0085%	3.30%	0.0056%	2.20%
01/11/20	2	36	0.0085%	3.30%	0.0056%	2.20%
01/12/20	2	37	0.0085%	3.31%	0.0056%	2.21%
01/13/20	2	38	0.0085%	3.32%	0.0056%	2.21%
01/14/20	2	39	0.0085%	3.33%	0.0056%	2.22%
01/15/20	2	40	0.0085%	3.34%	0.0056%	2.22%
01/16/20	2	41	0.0085%	3.35%	0.0056%	2.23%
01/17/20	2	42	0.0085%	3.36%	0.0056%	2.23%
01/18/20	2	43	0.0085%	3.36%	0.0056%	2.24%
01/19/20	2	44	0.0085%	3.37%	0.0056%	2.25%
01/20/20	2	45	0.0085%	3.38%	0.0056%	2.25%
01/21/20	2	46	0.0085%	3.39%	0.0056%	2.26%
01/22/20	2	47	0.0085%	3.40%	0.0056%	2.26%
01/23/20	2	48	0.0085%	3.41%	0.0056%	2.27%
01/24/20	2	49	0.0085%	3.41%	0.0056%	2.27%
01/25/20	2	50	0.0085%	3.42%	0.0056%	2.28%
01/26/20	2	51	0.0085%	3.43%	0.0056%	2.29%
01/27/20	2	52	0.0085%	3.44%	0.0056%	2.29%
01/28/20	2	53	0.0085%	3.45%	0.0056%	2.30%
01/29/20	2	54	0.0085%	3.46%	0.0056%	2.30%
01/30/20	2	55	0.0085%	3.47%	0.0056%	2.31%
01/31/20	2	56	0.0085%	3.47%	0.0056%	2.31%
02/01/20	2	57	0.0085%	3.48%	0.0056%	2.32%
02/02/20	2	58	0.0085%	3.49%	0.0056%	2.32%
02/03/20	2	59	0.0085%	3.50%	0.0056%	2.33%
02/04/20	2	60	0.0085%	3.51%	0.0056%	2.34%
02/05/20	2	61	0.0085%	3.52%	0.0056%	2.34%
02/06/20	2	62	0.0085%	3.52%	0.0056%	2.35%
02/07/20	2	63	0.0085%	3.53%	0.0056%	2.35%
02/08/20	2	64	0.0085%	3.54%	0.0056%	2.36%
02/09/20	2	65	0.0085%	3.55%	0.0056%	2.36%
02/10/20	2	66	0.0085%	3.56%	0.0056%	2.37%
02/11/20	2	67	0.0085%	3.57%	0.0056%	2.37%

02/12/20	2	68	0.0085%	3.58%	0.0056%	2.38%
02/13/20	2	69	0.0085%	3.58%	0.0056%	2.39%
02/14/20	2	70	0.0085%	3.59%	0.0056%	2.39%
02/15/20	2	71	0.0085%	3.60%	0.0056%	2.40%
02/16/20	2	72	0.0085%	3.61%	0.0056%	2.40%
02/17/20	2	73	0.0085%	3.62%	0.0056%	2.41%
02/18/20	2	74	0.0085%	3.63%	0.0056%	2.41%
02/19/20	2	75	0.0085%	3.63%	0.0056%	2.42%
02/20/20	2	76	0.0085%	3.64%	0.0056%	2.42%
02/21/20	2	77	0.0085%	3.65%	0.0056%	2.43%
02/22/20	2	78	0.0085%	3.66%	0.0056%	2.44%
02/23/20	2	79	0.0085%	3.67%	0.0056%	2.44%
02/24/20	2	80	0.0085%	3.68%	0.0056%	2.45%
02/25/20	2	81	0.0085%	3.69%	0.0056%	2.45%
02/26/20	2	82	0.0085%	3.69%	0.0056%	2.46%
02/27/20	2	83	0.0085%	3.70%	0.0056%	2.46%
02/28/20	2	84	0.0085%	3.71%	0.0056%	2.47%
02/29/20	2	85	0.0085%	3.72%	0.0056%	2.48%
03/01/20	2	86	0.0085%	3.73%	0.0056%	2.48%
03/02/20	2	87	0.0085%	3.74%	0.0056%	2.49%
03/03/20	2	88	0.0085%	3.74%	0.0056%	2.49%
03/04/20	2	89	0.0085%	3.75%	0.0056%	2.50%
03/05/20	2	90	0.0085%	3.76%	0.0056%	2.50%
03/06/20	2	91	0.0085%	3.77%	0.0056%	2.51%
03/07/20	2	92	0.0085%	3.78%	0.0056%	2.51%
03/08/20	2	93	0.0085%	3.79%	0.0056%	2.52%
03/09/20	2	94	0.0085%	3.80%	0.0056%	2.53%
03/10/20	2	95	0.0085%	3.80%	0.0056%	2.53%
03/11/20	2	96	0.0085%	3.81%	0.0056%	2.54%
03/12/20	2	97	0.0085%	3.82%	0.0056%	2.54%
03/13/20	2	98	0.0085%	3.83%	0.0056%	2.55%
03/14/20	2	99	0.0085%	3.84%	0.0056%	2.55%
03/15/20	2	100	0.0085%	3.85%	0.0056%	2.56%
03/16/20	2	101	0.0085%	3.86%	0.0056%	2.56%
03/17/20	2	102	0.0085%	3.86%	0.0056%	2.57%
03/18/20	2	103	0.0085%	3.87%	0.0056%	2.58%
03/19/20	2	104	0.0085%	3.88%	0.0056%	2.58%
03/20/20	2	105	0.0085%	3.89%	0.0056%	2.59%
03/21/20	2	106	0.0085%	3.90%	0.0056%	2.59%
03/22/20	2	107	0.0085%	3.91%	0.0056%	2.60%
03/23/20	2	108	0.0085%	3.91%	0.0056%	2.60%
03/24/20	2	109	0.0085%	3.92%	0.0056%	2.61%
03/25/20	2	110	0.0085%	3.93%	0.0056%	2.61%
03/26/20	2	111	0.0085%	3.94%	0.0056%	2.62%
03/27/20	2	112	0.0085%	3.95%	0.0056%	2.63%
03/28/20	2	113	0.0085%	3.96%	0.0056%	2.63%
03/29/20	2	114	0.0085%	3.97%	0.0056%	2.64%
03/30/20	2	115	0.0085%	3.97%	0.0056%	2.64%
03/31/20	2	116	0.0085%	3.98%	0.0056%	2.65%
04/01/20	2	117	0.0085%	3.99%	0.0056%	2.65%
04/02/20	2	118	0.0085%	4.00%	0.0056%	2.66%
04/03/20	2	119	0.0085%	4.01%	0.0056%	2.67%
04/04/20	2	120	0.0085%	4.02%	0.0056%	2.67%
04/05/20	2	121	0.0085%	4.02%	0.0056%	2.68%
04/06/20	2	122	0.0085%	4.03%	0.0056%	2.68%
04/07/20	2	123	0.0085%	4.04%	0.0056%	2.69%
04/08/20	2	124	0.0085%	4.05%	0.0056%	2.69%
04/09/20	2	125	0.0085%	4.06%	0.0056%	2.70%
04/10/20	2	126	0.0085%	4.07%	0.0056%	2.70%
04/11/20	2	127	0.0085%	4.08%	0.0056%	2.71%
04/12/20	2	128	0.0085%	4.08%	0.0056%	2.72%
04/13/20	2	129	0.0085%	4.09%	0.0056%	2.72%
04/14/20	2	130	0.0085%	4.10%	0.0056%	2.73%
04/15/20	2	131	0.0085%	4.11%	0.0056%	2.73%
04/16/20	2	132	0.0085%	4.12%	0.0056%	2.74%
04/17/20	2	133	0.0085%	4.13%	0.0056%	2.74%
04/18/20	2	134	0.0085%	4.13%	0.0056%	2.75%
04/19/20	2	135	0.0085%	4.14%	0.0056%	2.75%
04/20/20	2	136	0.0085%	4.15%	0.0056%	2.76%
04/21/20	2	137	0.0085%	4.16%	0.0056%	2.77%
04/22/20	2	138	0.0085%	4.17%	0.0056%	2.77%
04/23/20	2	139	0.0085%	4.18%	0.0056%	2.78%
04/24/20	2	140	0.0085%	4.19%	0.0056%	2.78%
04/25/20	2	141	0.0085%	4.19%	0.0056%	2.79%
04/26/20	2	142	0.0085%	4.20%	0.0056%	2.79%
04/27/20	2	143	0.0085%	4.21%	0.0056%	2.80%
04/28/20	2	144	0.0085%	4.22%	0.0056%	2.80%
04/29/20	2	145	0.0085%	4.23%	0.0056%	2.81%
04/30/20	2	146	0.0085%	4.24%	0.0056%	2.82%
05/01/20	2	147	0.0085%	4.24%	0.0056%	2.82%
05/02/20	2	148	0.0085%	4.25%	0.0056%	2.83%
05/03/20	2	149	0.0085%	4.26%	0.0056%	2.83%
05/04/20	2	150	0.0085%	4.27%	0.0056%	2.84%
05/05/20	2	151	0.0085%	4.28%	0.0056%	2.84%
05/06/20	2	152	0.0085%	4.29%	0.0056%	2.85%
05/07/20	2	153	0.0085%	4.30%	0.0056%	2.86%
05/08/20	2	154	0.0085%	4.30%	0.0056%	2.86%
05/09/20	2	155	0.0085%	4.31%	0.0056%	2.87%
05/10/20	2	156	0.0085%	4.32%	0.0056%	2.87%
05/11/20	2	157	0.0085%	4.33%	0.0056%	2.88%
05/12/20	2	158	0.0085%	4.34%	0.0056%	2.88%
05/13/20	2	159	0.0085%	4.35%	0.0056%	2.89%
05/14/20	2	160	0.0085%	4.35%	0.0056%	2.89%
05/15/20	2	161	0.0085%	4.36%	0.0056%	2.90%
05/16/20	2	162	0.0085%	4.37%	0.0056%	2.91%
05/17/20	2	163	0.0085%	4.38%	0.0056%	2.91%
05/18/20	2	164	0.0085%	4.39%	0.0056%	2.92%
05/19/20	2	165	0.0085%	4.40%	0.0056%	2.92%
05/20/20	2	166	0.0085%	4.41%	0.0056%	2.93%
05/21/20	2	167	0.0085%	4.41%	0.0056%	2.93%
05/22/20	2	168	0.0085%	4.42%	0.0056%	2.94%
05/23/20	2	169	0.0085%	4.43%	0.0056%	2.94%
05/24/20	2	170	0.0085%	4.44%	0.0056%	2.95%
05/25/20	2	171	0.0085%	4.45%	0.0056%	2.96%
05/26/20	2	172	0.0085%	4.46%	0.0056%	2.96%
05/27/20	2	173	0.0085%	4.46%	0.0056%	2.97%
05/28/20	2	174	0.0085%	4.47%	0.0056%	2.97%
05/29/20	2	175	0.0085%	4.48%	0.0056%	2.98%
05/30/20	2	176	0.0085%	4.49%	0.0056%	2.98%

05/31/20	2	177	0.0085%	4.50%	0.0056%	2.99%
06/01/20	2	178	0.0085%	4.51%	0.0056%	2.99%
06/02/20	2	179	0.0085%	4.52%	0.0056%	3.00%
06/03/20	2	180	0.0085%	4.52%	0.0056%	3.01%
06/04/20	2	181	0.0085%	4.53%	0.0056%	3.01%
06/05/20	2	182	0.0085%	4.54%	0.0056%	3.02%
06/06/20	2	183	0.0085%	4.55%	0.0056%	3.02%
06/07/20	2	184	0.0085%	4.56%	0.0056%	3.03%
06/08/20	2	185	0.0085%	4.57%	0.0056%	3.03%
06/09/20	2	186	0.0085%	4.57%	0.0056%	3.04%
06/10/20	2	187	0.0085%	4.58%	0.0056%	3.05%
06/11/20	2	188	0.0085%	4.59%	0.0056%	3.05%
06/12/20	2	189	0.0085%	4.60%	0.0056%	3.06%
06/13/20	2	190	0.0085%	4.61%	0.0056%	3.06%
06/14/20	2	191	0.0085%	4.62%	0.0056%	3.07%
06/15/20	2	192	0.0085%	4.63%	0.0056%	3.07%
06/16/20	2	193	0.0085%	4.63%	0.0056%	3.08%
06/17/20	2	194	0.0085%	4.64%	0.0056%	3.08%
06/18/20	2	195	0.0085%	4.65%	0.0056%	3.09%
06/19/20	2	196	0.0085%	4.66%	0.0056%	3.10%
06/20/20	2	197	0.0085%	4.67%	0.0056%	3.10%
06/21/20	2	198	0.0085%	4.68%	0.0056%	3.11%
06/22/20	2	199	0.0085%	4.68%	0.0056%	3.11%
06/23/20	2	200	0.0085%	4.69%	0.0056%	3.12%
06/24/20	2	201	0.0085%	4.70%	0.0056%	3.12%
06/25/20	2	202	0.0085%	4.71%	0.0056%	3.13%
06/26/20	2	203	0.0085%	4.72%	0.0056%	3.13%
06/27/20	2	204	0.0085%	4.73%	0.0056%	3.14%
06/28/20	2	205	0.0085%	4.74%	0.0056%	3.15%
06/29/20	2	206	0.0085%	4.74%	0.0056%	3.15%
06/30/20	2	207	0.0085%	4.75%	0.0056%	3.16%
07/01/20	2	208	0.0085%	4.76%	0.0056%	3.16%
07/02/20	2	209	0.0085%	4.77%	0.0056%	3.17%
07/03/20	2	210	0.0085%	4.78%	0.0056%	3.17%
07/04/20	2	211	0.0085%	4.79%	0.0056%	3.18%
07/05/20	2	212	0.0085%	4.79%	0.0056%	3.18%
07/06/20	2	213	0.0085%	4.80%	0.0056%	3.19%
07/07/20	2	214	0.0085%	4.81%	0.0056%	3.20%
07/08/20	2	215	0.0085%	4.82%	0.0056%	3.20%
07/09/20	2	216	0.0085%	4.83%	0.0056%	3.21%
07/10/20	2	217	0.0085%	4.84%	0.0056%	3.21%
07/11/20	2	218	0.0085%	4.85%	0.0056%	3.22%
07/12/20	2	219	0.0085%	4.85%	0.0056%	3.22%
07/13/20	2	220	0.0085%	4.86%	0.0056%	3.23%
07/14/20	2	221	0.0085%	4.87%	0.0056%	3.24%
07/15/20	2	222	0.0085%	4.88%	0.0056%	3.24%
07/16/20	2	223	0.0085%	4.89%	0.0056%	3.25%
07/17/20	2	224	0.0085%	4.90%	0.0056%	3.25%
07/18/20	2	225	0.0085%	4.90%	0.0056%	3.26%
07/19/20	2	226	0.0085%	4.91%	0.0056%	3.26%
07/20/20	2	227	0.0085%	4.92%	0.0056%	3.27%
07/21/20	2	228	0.0085%	4.93%	0.0056%	3.27%
07/22/20	2	229	0.0085%	4.94%	0.0056%	3.28%
07/23/20	2	230	0.0085%	4.95%	0.0056%	3.29%
07/24/20	2	231	0.0085%	4.96%	0.0056%	3.29%
07/25/20	2	232	0.0085%	4.96%	0.0056%	3.30%
07/26/20	2	233	0.0085%	4.97%	0.0056%	3.30%
07/27/20	2	234	0.0085%	4.98%	0.0056%	3.31%
07/28/20	2	235	0.0085%	4.99%	0.0056%	3.31%
07/29/20	2	236	0.0085%	5.00%	0.0056%	3.32%
07/30/20	2	237	0.0085%	5.01%	0.0056%	3.32%
07/31/20	2	238	0.0085%	5.01%	0.0056%	3.33%
08/01/20	2	239	0.0085%	5.02%	0.0056%	3.34%
08/02/20	2	240	0.0085%	5.03%	0.0056%	3.34%
08/03/20	2	241	0.0085%	5.04%	0.0056%	3.35%
08/04/20	2	242	0.0085%	5.05%	0.0056%	3.35%
08/05/20	2	243	0.0085%	5.06%	0.0056%	3.36%
08/06/20	2	244	0.0085%	5.07%	0.0056%	3.36%
08/07/20	2	245	0.0085%	5.07%	0.0056%	3.37%
08/08/20	2	246	0.0085%	5.08%	0.0056%	3.37%
08/09/20	2	247	0.0085%	5.09%	0.0056%	3.38%
08/10/20	2	248	0.0085%	5.10%	0.0056%	3.39%
08/11/20	2	249	0.0085%	5.11%	0.0056%	3.39%
08/12/20	2	250	0.0085%	5.12%	0.0056%	3.40%
08/13/20	2	251	0.0085%	5.12%	0.0056%	3.40%
08/14/20	2	252	0.0085%	5.13%	0.0056%	3.41%
08/15/20	2	253	0.0085%	5.14%	0.0056%	3.41%
08/16/20	2	254	0.0085%	5.15%	0.0056%	3.42%
08/17/20	2	255	0.0085%	5.16%	0.0056%	3.43%
08/18/20	2	256	0.0085%	5.17%	0.0056%	3.43%
08/19/20	2	257	0.0085%	5.18%	0.0056%	3.44%
08/20/20	2	258	0.0085%	5.18%	0.0056%	3.44%
08/21/20	2	259	0.0085%	5.19%	0.0056%	3.45%
08/22/20	2	260	0.0085%	5.20%	0.0056%	3.45%
08/23/20	2	261	0.0085%	5.21%	0.0056%	3.46%
08/24/20	2	262	0.0085%	5.22%	0.0056%	3.46%
08/25/20	2	263	0.0085%	5.23%	0.0056%	3.47%
08/26/20	2	264	0.0085%	5.23%	0.0056%	3.48%
08/27/20	2	265	0.0085%	5.24%	0.0056%	3.48%
08/28/20	2	266	0.0085%	5.25%	0.0056%	3.49%
08/29/20	2	267	0.0085%	5.26%	0.0056%	3.49%
08/30/20	2	268	0.0085%	5.27%	0.0056%	3.50%
08/31/20	2	269	0.0085%	5.28%	0.0056%	3.50%
09/01/20	2	270	0.0085%	5.29%	0.0056%	3.51%
09/02/20	2	271	0.0085%	5.29%	0.0056%	3.51%
09/03/20	2	272	0.0085%	5.30%	0.0056%	3.52%
09/04/20	2	273	0.0085%	5.31%	0.0056%	3.53%
09/05/20	2	274	0.0085%	5.32%	0.0056%	3.53%
09/06/20	2	275	0.0085%	5.33%	0.0056%	3.54%
09/07/20	2	276	0.0085%	5.34%	0.0056%	3.54%
09/08/20	2	277	0.0085%	5.35%	0.0056%	3.55%
09/09/20	2	278	0.0085%	5.35%	0.0056%	3.55%
09/10/20	2	279	0.0085%	5.36%	0.0056%	3.56%
09/11/20	2	280	0.0085%	5.37%	0.0056%	3.56%
09/12/20	2	281	0.0085%	5.38%	0.0056%	3.57%
09/13/20	2	282	0.0085%	5.39%	0.0056%	3.58%
09/14/20	2	283	0.0085%	5.40%	0.0056%	3.58%
09/15/20	2	284	0.0085%	5.40%	0.0056%	3.59%
09/16/20	2	285	0.0085%	5.41%	0.0056%	3.59%

09/17/20	2	286	0.0085%	5.42%	0.0056%	3.60%
09/18/20	2	287	0.0085%	5.43%	0.0056%	3.60%
09/19/20	2	288	0.0085%	5.44%	0.0056%	3.61%
09/20/20	2	289	0.0085%	5.45%	0.0056%	3.62%
09/21/20	2	290	0.0085%	5.46%	0.0056%	3.62%
09/22/20	2	291	0.0085%	5.46%	0.0056%	3.63%
09/23/20	2	292	0.0085%	5.47%	0.0056%	3.63%
09/24/20	2	293	0.0085%	5.48%	0.0056%	3.64%
09/25/20	2	294	0.0085%	5.49%	0.0056%	3.64%
09/26/20	2	295	0.0085%	5.50%	0.0056%	3.65%
09/27/20	2	296	0.0085%	5.51%	0.0056%	3.65%
09/28/20	2	297	0.0085%	5.51%	0.0056%	3.66%
09/29/20	2	298	0.0085%	5.52%	0.0056%	3.67%
09/30/20	2	299	0.0085%	5.53%	0.0056%	3.67%
10/01/20	2	300	0.0085%	5.54%	0.0056%	3.68%
10/02/20	2	301	0.0085%	5.55%	0.0056%	3.68%
10/03/20	2	302	0.0085%	5.56%	0.0056%	3.69%
10/04/20	2	303	0.0085%	5.57%	0.0056%	3.69%
10/05/20	2	304	0.0085%	5.57%	0.0056%	3.70%
10/06/20	2	305	0.0085%	5.58%	0.0056%	3.70%
10/07/20	2	306	0.0085%	5.59%	0.0056%	3.71%
10/08/20	2	307	0.0085%	5.60%	0.0056%	3.72%
10/09/20	2	308	0.0085%	5.61%	0.0056%	3.72%
10/10/20	2	309	0.0085%	5.62%	0.0056%	3.73%
10/11/20	2	310	0.0085%	5.62%	0.0056%	3.73%
10/12/20	2	311	0.0085%	5.63%	0.0056%	3.74%
10/13/20	2	312	0.0085%	5.64%	0.0056%	3.74%
10/14/20	2	313	0.0085%	5.65%	0.0056%	3.75%
10/15/20	2	314	0.0085%	5.66%	0.0056%	3.75%
10/16/20	2	315	0.0085%	5.67%	0.0056%	3.76%
10/17/20	2	316	0.0085%	5.68%	0.0056%	3.77%
10/18/20	2	317	0.0085%	5.68%	0.0056%	3.77%
10/19/20	2	318	0.0085%	5.69%	0.0056%	3.78%
10/20/20	2	319	0.0085%	5.70%	0.0056%	3.78%
10/21/20	2	320	0.0085%	5.71%	0.0056%	3.79%
10/22/20	2	321	0.0085%	5.72%	0.0056%	3.79%
10/23/20	2	322	0.0085%	5.73%	0.0056%	3.80%
10/24/20	2	323	0.0085%	5.73%	0.0056%	3.81%
10/25/20	2	324	0.0085%	5.74%	0.0056%	3.81%
10/26/20	2	325	0.0085%	5.75%	0.0056%	3.82%
10/27/20	2	326	0.0085%	5.76%	0.0056%	3.82%
10/28/20	2	327	0.0085%	5.77%	0.0056%	3.83%
10/29/20	2	328	0.0085%	5.78%	0.0056%	3.83%
10/30/20	2	329	0.0085%	5.79%	0.0056%	3.84%
10/31/20	2	330	0.0085%	5.79%	0.0056%	3.84%
11/01/20	2	331	0.0085%	5.80%	0.0056%	3.85%
11/02/20	2	332	0.0085%	5.81%	0.0056%	3.86%
11/03/20	2	333	0.0085%	5.82%	0.0056%	3.86%
11/04/20	2	334	0.0085%	5.83%	0.0056%	3.87%
11/05/20	2	335	0.0085%	5.84%	0.0056%	3.87%
11/06/20	2	336	0.0085%	5.84%	0.0056%	3.88%
11/07/20	2	337	0.0085%	5.85%	0.0056%	3.88%
11/08/20	2	338	0.0085%	5.86%	0.0056%	3.89%
11/09/20	2	339	0.0085%	5.87%	0.0056%	3.89%
11/10/20	2	340	0.0085%	5.88%	0.0056%	3.90%
11/11/20	2	341	0.0085%	5.89%	0.0056%	3.91%
11/12/20	2	342	0.0085%	5.90%	0.0056%	3.91%
11/13/20	2	343	0.0085%	5.90%	0.0056%	3.92%
11/14/20	2	344	0.0085%	5.91%	0.0056%	3.92%
11/15/20	2	345	0.0085%	5.92%	0.0056%	3.93%
11/16/20	2	346	0.0085%	5.93%	0.0056%	3.93%
11/17/20	2	347	0.0085%	5.94%	0.0056%	3.94%
11/18/20	2	348	0.0085%	5.95%	0.0056%	3.94%
11/19/20	2	349	0.0085%	5.95%	0.0056%	3.95%
11/20/20	2	350	0.0085%	5.96%	0.0056%	3.96%
11/21/20	2	351	0.0085%	5.97%	0.0056%	3.96%
11/22/20	2	352	0.0085%	5.98%	0.0056%	3.97%
11/23/20	2	353	0.0085%	5.99%	0.0056%	3.97%
11/24/20	2	354	0.0085%	6.00%	0.0056%	3.98%
11/25/20	2	355	0.0085%	6.01%	0.0056%	3.98%
11/26/20	2	356	0.0085%	6.01%	0.0056%	3.99%
11/27/20	2	357	0.0085%	6.02%	0.0056%	4.00%
11/28/20	2	358	0.0085%	6.03%	0.0056%	4.00%
11/29/20	2	359	0.0085%	6.04%	0.0056%	4.01%
11/30/20	2	360	0.0085%	6.05%	0.0056%	4.01%
12/01/20	2	361	0.0085%	6.06%	0.0056%	4.02%
12/02/20	2	362	0.0085%	6.06%	0.0056%	4.02%
12/03/20	2	363	0.0085%	6.07%	0.0056%	4.03%
12/04/20	2	364	0.0085%	6.08%	0.0056%	4.03%
12/05/20	2	365	0.0085%	6.09%	0.0056%	4.04%
12/06/20	2	366	0.0085%	6.09%	0.0056%	4.04%
Check	2			6.09%		4.04%

12/07/20	3	1	0.0087%	6.10%	0.0057%	4.05%
12/08/20	3	2	0.0087%	6.11%	0.0057%	4.05%
12/09/20	3	3	0.0087%	6.12%	0.0057%	4.06%
12/10/20	3	4	0.0087%	6.12%	0.0057%	4.06%
12/11/20	3	5	0.0087%	6.13%	0.0057%	4.07%
12/12/20	3	6	0.0087%	6.14%	0.0057%	4.07%
12/13/20	3	7	0.0087%	6.15%	0.0057%	4.08%
12/14/20	3	8	0.0087%	6.16%	0.0057%	4.09%
12/15/20	3	9	0.0087%	6.17%	0.0057%	4.09%
12/16/20	3	10	0.0087%	6.18%	0.0057%	4.10%
12/17/20	3	11	0.0087%	6.19%	0.0057%	4.10%
12/18/20	3	12	0.0087%	6.19%	0.0057%	4.11%
12/19/20	3	13	0.0087%	6.20%	0.0057%	4.11%
12/20/20	3	14	0.0087%	6.21%	0.0057%	4.12%
12/21/20	3	15	0.0087%	6.22%	0.0057%	4.13%
12/22/20	3	16	0.0087%	6.23%	0.0057%	4.13%
12/23/20	3	17	0.0087%	6.24%	0.0057%	4.14%
12/24/20	3	18	0.0087%	6.25%	0.0057%	4.14%
12/25/20	3	19	0.0087%	6.26%	0.0057%	4.15%
12/26/20	3	20	0.0087%	6.26%	0.0057%	4.15%
12/27/20	3	21	0.0087%	6.27%	0.0057%	4.16%
12/28/20	3	22	0.0087%	6.28%	0.0057%	4.17%
12/29/20	3	23	0.0087%	6.29%	0.0057%	4.17%
12/30/20	3	24	0.0087%	6.30%	0.0057%	4.18%
12/31/20	3	25	0.0087%	6.31%	0.0057%	4.18%
01/01/21	3	26	0.0087%	6.32%	0.0057%	4.19%

01/02/21	3	27	0.0087%	6.33%	0.0057%	4.19%
01/03/21	3	28	0.0087%	6.33%	0.0057%	4.20%
01/04/21	3	29	0.0087%	6.34%	0.0057%	4.21%
01/05/21	3	30	0.0087%	6.35%	0.0057%	4.21%
01/06/21	3	31	0.0087%	6.36%	0.0057%	4.22%
01/07/21	3	32	0.0087%	6.37%	0.0057%	4.22%
01/08/21	3	33	0.0087%	6.38%	0.0057%	4.23%
01/09/21	3	34	0.0087%	6.39%	0.0057%	4.23%
01/10/21	3	35	0.0087%	6.40%	0.0057%	4.24%
01/11/21	3	36	0.0087%	6.40%	0.0057%	4.25%
01/12/21	3	37	0.0087%	6.41%	0.0057%	4.25%
01/13/21	3	38	0.0087%	6.42%	0.0057%	4.26%
01/14/21	3	39	0.0087%	6.43%	0.0057%	4.26%
01/15/21	3	40	0.0087%	6.44%	0.0057%	4.27%
01/16/21	3	41	0.0087%	6.45%	0.0057%	4.27%
01/17/21	3	42	0.0087%	6.46%	0.0057%	4.28%
01/18/21	3	43	0.0087%	6.46%	0.0057%	4.29%
01/19/21	3	44	0.0087%	6.47%	0.0057%	4.29%
01/20/21	3	45	0.0087%	6.48%	0.0057%	4.30%
01/21/21	3	46	0.0087%	6.49%	0.0057%	4.30%
01/22/21	3	47	0.0087%	6.50%	0.0057%	4.31%
01/23/21	3	48	0.0087%	6.51%	0.0057%	4.31%
01/24/21	3	49	0.0087%	6.52%	0.0057%	4.32%
01/25/21	3	50	0.0087%	6.53%	0.0057%	4.33%
01/26/21	3	51	0.0087%	6.53%	0.0057%	4.33%
01/27/21	3	52	0.0087%	6.54%	0.0057%	4.34%
01/28/21	3	53	0.0087%	6.55%	0.0057%	4.34%
01/29/21	3	54	0.0087%	6.56%	0.0057%	4.35%
01/30/21	3	55	0.0087%	6.57%	0.0057%	4.35%
01/31/21	3	56	0.0087%	6.58%	0.0057%	4.36%
02/01/21	3	57	0.0087%	6.59%	0.0057%	4.36%
02/02/21	3	58	0.0087%	6.60%	0.0057%	4.37%
02/03/21	3	59	0.0087%	6.60%	0.0057%	4.38%
02/04/21	3	60	0.0087%	6.61%	0.0057%	4.38%
02/05/21	3	61	0.0087%	6.62%	0.0057%	4.39%
02/06/21	3	62	0.0087%	6.63%	0.0057%	4.39%
02/07/21	3	63	0.0087%	6.64%	0.0057%	4.40%
02/08/21	3	64	0.0087%	6.65%	0.0057%	4.40%
02/09/21	3	65	0.0087%	6.66%	0.0057%	4.41%
02/10/21	3	66	0.0087%	6.67%	0.0057%	4.42%
02/11/21	3	67	0.0087%	6.67%	0.0057%	4.42%
02/12/21	3	68	0.0087%	6.68%	0.0057%	4.43%
02/13/21	3	69	0.0087%	6.69%	0.0057%	4.43%
02/14/21	3	70	0.0087%	6.70%	0.0057%	4.44%
02/15/21	3	71	0.0087%	6.71%	0.0057%	4.44%
02/16/21	3	72	0.0087%	6.72%	0.0057%	4.45%
02/17/21	3	73	0.0087%	6.73%	0.0057%	4.46%
02/18/21	3	74	0.0087%	6.74%	0.0057%	4.46%
02/19/21	3	75	0.0087%	6.74%	0.0057%	4.47%
02/20/21	3	76	0.0087%	6.75%	0.0057%	4.47%
02/21/21	3	77	0.0087%	6.76%	0.0057%	4.48%
02/22/21	3	78	0.0087%	6.77%	0.0057%	4.48%
02/23/21	3	79	0.0087%	6.78%	0.0057%	4.49%
02/24/21	3	80	0.0087%	6.79%	0.0057%	4.50%
02/25/21	3	81	0.0087%	6.80%	0.0057%	4.50%
02/26/21	3	82	0.0087%	6.81%	0.0057%	4.51%
02/27/21	3	83	0.0087%	6.81%	0.0057%	4.51%
02/28/21	3	84	0.0087%	6.82%	0.0057%	4.52%
03/01/21	3	85	0.0087%	6.83%	0.0057%	4.52%
03/02/21	3	86	0.0087%	6.84%	0.0057%	4.53%
03/03/21	3	87	0.0087%	6.85%	0.0057%	4.54%
03/04/21	3	88	0.0087%	6.86%	0.0057%	4.54%
03/05/21	3	89	0.0087%	6.87%	0.0057%	4.55%
03/06/21	3	90	0.0087%	6.87%	0.0057%	4.55%
03/07/21	3	91	0.0087%	6.88%	0.0057%	4.56%
03/08/21	3	92	0.0087%	6.89%	0.0057%	4.56%
03/09/21	3	93	0.0087%	6.90%	0.0057%	4.57%
03/10/21	3	94	0.0087%	6.91%	0.0057%	4.58%
03/11/21	3	95	0.0087%	6.92%	0.0057%	4.58%
03/12/21	3	96	0.0087%	6.93%	0.0057%	4.59%
03/13/21	3	97	0.0087%	6.94%	0.0057%	4.59%
03/14/21	3	98	0.0087%	6.94%	0.0057%	4.60%
03/15/21	3	99	0.0087%	6.95%	0.0057%	4.60%
03/16/21	3	100	0.0087%	6.96%	0.0057%	4.61%
03/17/21	3	101	0.0087%	6.97%	0.0057%	4.62%
03/18/21	3	102	0.0087%	6.98%	0.0057%	4.62%
03/19/21	3	103	0.0087%	6.99%	0.0057%	4.63%
03/20/21	3	104	0.0087%	7.00%	0.0057%	4.63%
03/21/21	3	105	0.0087%	7.01%	0.0057%	4.64%
03/22/21	3	106	0.0087%	7.01%	0.0057%	4.64%
03/23/21	3	107	0.0087%	7.02%	0.0057%	4.65%
03/24/21	3	108	0.0087%	7.03%	0.0057%	4.66%
03/25/21	3	109	0.0087%	7.04%	0.0057%	4.66%
03/26/21	3	110	0.0087%	7.05%	0.0057%	4.67%
03/27/21	3	111	0.0087%	7.06%	0.0057%	4.67%
03/28/21	3	112	0.0087%	7.07%	0.0057%	4.68%
03/29/21	3	113	0.0087%	7.08%	0.0057%	4.68%
03/30/21	3	114	0.0087%	7.08%	0.0057%	4.69%
03/31/21	3	115	0.0087%	7.09%	0.0057%	4.70%
04/01/21	3	116	0.0087%	7.10%	0.0057%	4.70%
04/02/21	3	117	0.0087%	7.11%	0.0057%	4.71%
04/03/21	3	118	0.0087%	7.12%	0.0057%	4.71%
04/04/21	3	119	0.0087%	7.13%	0.0057%	4.72%
04/05/21	3	120	0.0087%	7.14%	0.0057%	4.72%
04/06/21	3	121	0.0087%	7.15%	0.0057%	4.73%
04/07/21	3	122	0.0087%	7.15%	0.0057%	4.74%
04/08/21	3	123	0.0087%	7.16%	0.0057%	4.74%
04/09/21	3	124	0.0087%	7.17%	0.0057%	4.75%
04/10/21	3	125	0.0087%	7.18%	0.0057%	4.75%
04/11/21	3	126	0.0087%	7.19%	0.0057%	4.76%
04/12/21	3	127	0.0087%	7.20%	0.0057%	4.76%
04/13/21	3	128	0.0087%	7.21%	0.0057%	4.77%
04/14/21	3	129	0.0087%	7.21%	0.0057%	4.78%
04/15/21	3	130	0.0087%	7.22%	0.0057%	4.78%
04/16/21	3	131	0.0087%	7.23%	0.0057%	4.79%
04/17/21	3	132	0.0087%	7.24%	0.0057%	4.79%
04/18/21	3	133	0.0087%	7.25%	0.0057%	4.80%
04/19/21	3	134	0.0087%	7.26%	0.0057%	4.80%
04/20/21	3	135	0.0087%	7.27%	0.0057%	4.81%

04/21/21	3	136	0.0087%	7.28%	0.0057%	4.82%
04/22/21	3	137	0.0087%	7.28%	0.0057%	4.82%
04/23/21	3	138	0.0087%	7.29%	0.0057%	4.83%
04/24/21	3	139	0.0087%	7.30%	0.0057%	4.83%
04/25/21	3	140	0.0087%	7.31%	0.0057%	4.84%
04/26/21	3	141	0.0087%	7.32%	0.0057%	4.84%
04/27/21	3	142	0.0087%	7.33%	0.0057%	4.85%
04/28/21	3	143	0.0087%	7.34%	0.0057%	4.86%
04/29/21	3	144	0.0087%	7.35%	0.0057%	4.86%
04/30/21	3	145	0.0087%	7.35%	0.0057%	4.87%
05/01/21	3	146	0.0087%	7.36%	0.0057%	4.87%
05/02/21	3	147	0.0087%	7.37%	0.0057%	4.88%
05/03/21	3	148	0.0087%	7.38%	0.0057%	4.88%
05/04/21	3	149	0.0087%	7.39%	0.0057%	4.89%
05/05/21	3	150	0.0087%	7.40%	0.0057%	4.90%
05/06/21	3	151	0.0087%	7.41%	0.0057%	4.90%
05/07/21	3	152	0.0087%	7.42%	0.0057%	4.91%
05/08/21	3	153	0.0087%	7.42%	0.0057%	4.91%
05/09/21	3	154	0.0087%	7.43%	0.0057%	4.92%
05/10/21	3	155	0.0087%	7.44%	0.0057%	4.92%
05/11/21	3	156	0.0087%	7.45%	0.0057%	4.93%
05/12/21	3	157	0.0087%	7.46%	0.0057%	4.94%
05/13/21	3	158	0.0087%	7.47%	0.0057%	4.94%
05/14/21	3	159	0.0087%	7.48%	0.0057%	4.95%
05/15/21	3	160	0.0087%	7.49%	0.0057%	4.95%
05/16/21	3	161	0.0087%	7.49%	0.0057%	4.96%
05/17/21	3	162	0.0087%	7.50%	0.0057%	4.96%
05/18/21	3	163	0.0087%	7.51%	0.0057%	4.97%
05/19/21	3	164	0.0087%	7.52%	0.0057%	4.97%
05/20/21	3	165	0.0087%	7.53%	0.0057%	4.98%
05/21/21	3	166	0.0087%	7.54%	0.0057%	4.99%
05/22/21	3	167	0.0087%	7.55%	0.0057%	4.99%
05/23/21	3	168	0.0087%	7.55%	0.0057%	5.00%
05/24/21	3	169	0.0087%	7.56%	0.0057%	5.00%
05/25/21	3	170	0.0087%	7.57%	0.0057%	5.01%
05/26/21	3	171	0.0087%	7.58%	0.0057%	5.01%
05/27/21	3	172	0.0087%	7.59%	0.0057%	5.02%
05/28/21	3	173	0.0087%	7.60%	0.0057%	5.03%
05/29/21	3	174	0.0087%	7.61%	0.0057%	5.03%
05/30/21	3	175	0.0087%	7.62%	0.0057%	5.04%
05/31/21	3	176	0.0087%	7.62%	0.0057%	5.04%
06/01/21	3	177	0.0087%	7.63%	0.0057%	5.05%
06/02/21	3	178	0.0087%	7.64%	0.0057%	5.05%
06/03/21	3	179	0.0087%	7.65%	0.0057%	5.06%
06/04/21	3	180	0.0087%	7.66%	0.0057%	5.07%
06/05/21	3	181	0.0087%	7.67%	0.0057%	5.07%
06/06/21	3	182	0.0087%	7.68%	0.0057%	5.08%
06/07/21	3	183	0.0087%	7.69%	0.0057%	5.08%
06/08/21	3	184	0.0087%	7.69%	0.0057%	5.09%
06/09/21	3	185	0.0087%	7.70%	0.0057%	5.09%
06/10/21	3	186	0.0087%	7.71%	0.0057%	5.10%
06/11/21	3	187	0.0087%	7.72%	0.0057%	5.11%
06/12/21	3	188	0.0087%	7.73%	0.0057%	5.11%
06/13/21	3	189	0.0087%	7.74%	0.0057%	5.12%
06/14/21	3	190	0.0087%	7.75%	0.0057%	5.12%
06/15/21	3	191	0.0087%	7.76%	0.0057%	5.13%
06/16/21	3	192	0.0087%	7.76%	0.0057%	5.13%
06/17/21	3	193	0.0087%	7.77%	0.0057%	5.14%
06/18/21	3	194	0.0087%	7.78%	0.0057%	5.15%
06/19/21	3	195	0.0087%	7.79%	0.0057%	5.15%
06/20/21	3	196	0.0087%	7.80%	0.0057%	5.16%
06/21/21	3	197	0.0087%	7.81%	0.0057%	5.16%
06/22/21	3	198	0.0087%	7.82%	0.0057%	5.17%
06/23/21	3	199	0.0087%	7.83%	0.0057%	5.17%
06/24/21	3	200	0.0087%	7.83%	0.0057%	5.18%
06/25/21	3	201	0.0087%	7.84%	0.0057%	5.19%
06/26/21	3	202	0.0087%	7.85%	0.0057%	5.19%
06/27/21	3	203	0.0087%	7.86%	0.0057%	5.20%
06/28/21	3	204	0.0087%	7.87%	0.0057%	5.20%
06/29/21	3	205	0.0087%	7.88%	0.0057%	5.21%
06/30/21	3	206	0.0087%	7.89%	0.0057%	5.21%
07/01/21	3	207	0.0087%	7.89%	0.0057%	5.22%
07/02/21	3	208	0.0087%	7.90%	0.0057%	5.23%
07/03/21	3	209	0.0087%	7.91%	0.0057%	5.23%
07/04/21	3	210	0.0087%	7.92%	0.0057%	5.24%
07/05/21	3	211	0.0087%	7.93%	0.0057%	5.24%
07/06/21	3	212	0.0087%	7.94%	0.0057%	5.25%
07/07/21	3	213	0.0087%	7.95%	0.0057%	5.25%
07/08/21	3	214	0.0087%	7.96%	0.0057%	5.26%
07/09/21	3	215	0.0087%	7.96%	0.0057%	5.27%
07/10/21	3	216	0.0087%	7.97%	0.0057%	5.27%
07/11/21	3	217	0.0087%	7.98%	0.0057%	5.28%
07/12/21	3	218	0.0087%	7.99%	0.0057%	5.28%
07/13/21	3	219	0.0087%	8.00%	0.0057%	5.29%
07/14/21	3	220	0.0087%	8.01%	0.0057%	5.29%
07/15/21	3	221	0.0087%	8.02%	0.0057%	5.30%
07/16/21	3	222	0.0087%	8.03%	0.0057%	5.31%
07/17/21	3	223	0.0087%	8.03%	0.0057%	5.31%
07/18/21	3	224	0.0087%	8.04%	0.0057%	5.32%
07/19/21	3	225	0.0087%	8.05%	0.0057%	5.32%
07/20/21	3	226	0.0087%	8.06%	0.0057%	5.33%
07/21/21	3	227	0.0087%	8.07%	0.0057%	5.33%
07/22/21	3	228	0.0087%	8.08%	0.0057%	5.34%
07/23/21	3	229	0.0087%	8.09%	0.0057%	5.35%
07/24/21	3	230	0.0087%	8.10%	0.0057%	5.35%
07/25/21	3	231	0.0087%	8.10%	0.0057%	5.36%
07/26/21	3	232	0.0087%	8.11%	0.0057%	5.36%
07/27/21	3	233	0.0087%	8.12%	0.0057%	5.37%
07/28/21	3	234	0.0087%	8.13%	0.0057%	5.37%
07/29/21	3	235	0.0087%	8.14%	0.0057%	5.38%
07/30/21	3	236	0.0087%	8.15%	0.0057%	5.39%
07/31/21	3	237	0.0087%	8.16%	0.0057%	5.39%
08/01/21	3	238	0.0087%	8.17%	0.0057%	5.40%
08/02/21	3	239	0.0087%	8.17%	0.0057%	5.40%
08/03/21	3	240	0.0087%	8.18%	0.0057%	5.41%
08/04/21	3	241	0.0087%	8.19%	0.0057%	5.41%
08/05/21	3	242	0.0087%	8.20%	0.0057%	5.42%
08/06/21	3	243	0.0087%	8.21%	0.0057%	5.43%
08/07/21	3	244	0.0087%	8.22%	0.0057%	5.43%

08/08/21	3	245	0.0087%	8.23%	0.0057%	5.44%
08/09/21	3	246	0.0087%	8.24%	0.0057%	5.44%
08/10/21	3	247	0.0087%	8.24%	0.0057%	5.45%
08/11/21	3	248	0.0087%	8.25%	0.0057%	5.45%
08/12/21	3	249	0.0087%	8.26%	0.0057%	5.46%
08/13/21	3	250	0.0087%	8.27%	0.0057%	5.47%
08/14/21	3	251	0.0087%	8.28%	0.0057%	5.47%
08/15/21	3	252	0.0087%	8.29%	0.0057%	5.48%
08/16/21	3	253	0.0087%	8.30%	0.0057%	5.48%
08/17/21	3	254	0.0087%	8.30%	0.0057%	5.49%
08/18/21	3	255	0.0087%	8.31%	0.0057%	5.49%
08/19/21	3	256	0.0087%	8.32%	0.0057%	5.50%
08/20/21	3	257	0.0087%	8.33%	0.0057%	5.51%
08/21/21	3	258	0.0087%	8.34%	0.0057%	5.51%
08/22/21	3	259	0.0087%	8.35%	0.0057%	5.52%
08/23/21	3	260	0.0087%	8.36%	0.0057%	5.52%
08/24/21	3	261	0.0087%	8.37%	0.0057%	5.53%
08/25/21	3	262	0.0087%	8.37%	0.0057%	5.53%
08/26/21	3	263	0.0087%	8.38%	0.0057%	5.54%
08/27/21	3	264	0.0087%	8.39%	0.0057%	5.55%
08/28/21	3	265	0.0087%	8.40%	0.0057%	5.55%
08/29/21	3	266	0.0087%	8.41%	0.0057%	5.56%
08/30/21	3	267	0.0087%	8.42%	0.0057%	5.56%
08/31/21	3	268	0.0087%	8.43%	0.0057%	5.57%
09/01/21	3	269	0.0087%	8.44%	0.0057%	5.57%
09/02/21	3	270	0.0087%	8.44%	0.0057%	5.58%
09/03/21	3	271	0.0087%	8.45%	0.0057%	5.58%
09/04/21	3	272	0.0087%	8.46%	0.0057%	5.59%
09/05/21	3	273	0.0087%	8.47%	0.0057%	5.60%
09/06/21	3	274	0.0087%	8.48%	0.0057%	5.60%
09/07/21	3	275	0.0087%	8.49%	0.0057%	5.61%
09/08/21	3	276	0.0087%	8.50%	0.0057%	5.61%
09/09/21	3	277	0.0087%	8.51%	0.0057%	5.62%
09/10/21	3	278	0.0087%	8.51%	0.0057%	5.62%
09/11/21	3	279	0.0087%	8.52%	0.0057%	5.63%
09/12/21	3	280	0.0087%	8.53%	0.0057%	5.64%
09/13/21	3	281	0.0087%	8.54%	0.0057%	5.64%
09/14/21	3	282	0.0087%	8.55%	0.0057%	5.65%
09/15/21	3	283	0.0087%	8.56%	0.0057%	5.65%
09/16/21	3	284	0.0087%	8.57%	0.0057%	5.66%
09/17/21	3	285	0.0087%	8.58%	0.0057%	5.66%
09/18/21	3	286	0.0087%	8.58%	0.0057%	5.67%
09/19/21	3	287	0.0087%	8.59%	0.0057%	5.68%
09/20/21	3	288	0.0087%	8.60%	0.0057%	5.68%
09/21/21	3	289	0.0087%	8.61%	0.0057%	5.69%
09/22/21	3	290	0.0087%	8.62%	0.0057%	5.69%
09/23/21	3	291	0.0087%	8.63%	0.0057%	5.70%
09/24/21	3	292	0.0087%	8.64%	0.0057%	5.70%
09/25/21	3	293	0.0087%	8.64%	0.0057%	5.71%
09/26/21	3	294	0.0087%	8.65%	0.0057%	5.72%
09/27/21	3	295	0.0087%	8.66%	0.0057%	5.72%
09/28/21	3	296	0.0087%	8.67%	0.0057%	5.73%
09/29/21	3	297	0.0087%	8.68%	0.0057%	5.73%
09/30/21	3	298	0.0087%	8.69%	0.0057%	5.74%
10/01/21	3	299	0.0087%	8.70%	0.0057%	5.74%
10/02/21	3	300	0.0087%	8.71%	0.0057%	5.75%
10/03/21	3	301	0.0087%	8.71%	0.0057%	5.76%
10/04/21	3	302	0.0087%	8.72%	0.0057%	5.76%
10/05/21	3	303	0.0087%	8.73%	0.0057%	5.77%
10/06/21	3	304	0.0087%	8.74%	0.0057%	5.77%
10/07/21	3	305	0.0087%	8.75%	0.0057%	5.78%
10/08/21	3	306	0.0087%	8.76%	0.0057%	5.78%
10/09/21	3	307	0.0087%	8.77%	0.0057%	5.79%
10/10/21	3	308	0.0087%	8.78%	0.0057%	5.80%
10/11/21	3	309	0.0087%	8.78%	0.0057%	5.80%
10/12/21	3	310	0.0087%	8.79%	0.0057%	5.81%
10/13/21	3	311	0.0087%	8.80%	0.0057%	5.81%
10/14/21	3	312	0.0087%	8.81%	0.0057%	5.82%
10/15/21	3	313	0.0087%	8.82%	0.0057%	5.82%
10/16/21	3	314	0.0087%	8.83%	0.0057%	5.83%
10/17/21	3	315	0.0087%	8.84%	0.0057%	5.84%
10/18/21	3	316	0.0087%	8.85%	0.0057%	5.84%
10/19/21	3	317	0.0087%	8.85%	0.0057%	5.85%
10/20/21	3	318	0.0087%	8.86%	0.0057%	5.85%
10/21/21	3	319	0.0087%	8.87%	0.0057%	5.86%
10/22/21	3	320	0.0087%	8.88%	0.0057%	5.86%
10/23/21	3	321	0.0087%	8.89%	0.0057%	5.87%
10/24/21	3	322	0.0087%	8.90%	0.0057%	5.88%
10/25/21	3	323	0.0087%	8.91%	0.0057%	5.88%
10/26/21	3	324	0.0087%	8.92%	0.0057%	5.89%
10/27/21	3	325	0.0087%	8.92%	0.0057%	5.89%
10/28/21	3	326	0.0087%	8.93%	0.0057%	5.90%
10/29/21	3	327	0.0087%	8.94%	0.0057%	5.90%
10/30/21	3	328	0.0087%	8.95%	0.0057%	5.91%
10/31/21	3	329	0.0087%	8.96%	0.0057%	5.92%
11/01/21	3	330	0.0087%	8.97%	0.0057%	5.92%
11/02/21	3	331	0.0087%	8.98%	0.0057%	5.93%
11/03/21	3	332	0.0087%	8.98%	0.0057%	5.93%
11/04/21	3	333	0.0087%	8.99%	0.0057%	5.94%
11/05/21	3	334	0.0087%	9.00%	0.0057%	5.94%
11/06/21	3	335	0.0087%	9.01%	0.0057%	5.95%
11/07/21	3	336	0.0087%	9.02%	0.0057%	5.96%
11/08/21	3	337	0.0087%	9.03%	0.0057%	5.96%
11/09/21	3	338	0.0087%	9.04%	0.0057%	5.97%
11/10/21	3	339	0.0087%	9.05%	0.0057%	5.97%
11/11/21	3	340	0.0087%	9.05%	0.0057%	5.98%
11/12/21	3	341	0.0087%	9.06%	0.0057%	5.98%
11/13/21	3	342	0.0087%	9.07%	0.0057%	5.99%
11/14/21	3	343	0.0087%	9.08%	0.0057%	6.00%
11/15/21	3	344	0.0087%	9.09%	0.0057%	6.00%
11/16/21	3	345	0.0087%	9.10%	0.0057%	6.01%
11/17/21	3	346	0.0087%	9.11%	0.0057%	6.01%
11/18/21	3	347	0.0087%	9.12%	0.0057%	6.02%
11/19/21	3	348	0.0087%	9.12%	0.0057%	6.02%
11/20/21	3	349	0.0087%	9.13%	0.0057%	6.03%
11/21/21	3	350	0.0087%	9.14%	0.0057%	6.04%
11/22/21	3	351	0.0087%	9.15%	0.0057%	6.04%
11/23/21	3	352	0.0087%	9.16%	0.0057%	6.05%
11/24/21	3	353	0.0087%	9.17%	0.0057%	6.05%

11/25/21	3	354	0.0087%	9.18%	0.0057%	6.06%
11/26/21	3	355	0.0087%	9.19%	0.0057%	6.06%
11/27/21	3	356	0.0087%	9.19%	0.0057%	6.07%
11/28/21	3	357	0.0087%	9.20%	0.0057%	6.08%
11/29/21	3	358	0.0087%	9.21%	0.0057%	6.08%
11/30/21	3	359	0.0087%	9.22%	0.0057%	6.09%
12/01/21	3	360	0.0087%	9.23%	0.0057%	6.09%
12/02/21	3	361	0.0087%	9.24%	0.0057%	6.10%
12/03/21	3	362	0.0087%	9.25%	0.0057%	6.10%
12/04/21	3	363	0.0087%	9.26%	0.0057%	6.11%
12/05/21	3	364	0.0087%	9.26%	0.0057%	6.12%
12/06/21	3	365	0.0087%	9.27%	0.0057%	6.12%
Check	3			9.27%		6.12%

12/07/21	4	1	0.0090%	9.28%	0.0058%	6.13%
12/08/21	4	2	0.0090%	9.29%	0.0058%	6.13%
12/09/21	4	3	0.0090%	9.30%	0.0058%	6.14%
12/10/21	4	4	0.0090%	9.31%	0.0058%	6.14%
12/11/21	4	5	0.0090%	9.32%	0.0058%	6.15%
12/12/21	4	6	0.0090%	9.33%	0.0058%	6.16%
12/13/21	4	7	0.0090%	9.34%	0.0058%	6.16%
12/14/21	4	8	0.0090%	9.34%	0.0058%	6.17%
12/15/21	4	9	0.0090%	9.35%	0.0058%	6.17%
12/16/21	4	10	0.0090%	9.36%	0.0058%	6.18%
12/17/21	4	11	0.0090%	9.37%	0.0058%	6.18%
12/18/21	4	12	0.0090%	9.38%	0.0058%	6.19%
12/19/21	4	13	0.0090%	9.39%	0.0058%	6.20%
12/20/21	4	14	0.0090%	9.40%	0.0058%	6.20%
12/21/21	4	15	0.0090%	9.41%	0.0058%	6.21%
12/22/21	4	16	0.0090%	9.42%	0.0058%	6.21%
12/23/21	4	17	0.0090%	9.43%	0.0058%	6.22%
12/24/21	4	18	0.0090%	9.43%	0.0058%	6.23%
12/25/21	4	19	0.0090%	9.44%	0.0058%	6.23%
12/26/21	4	20	0.0090%	9.45%	0.0058%	6.24%
12/27/21	4	21	0.0090%	9.46%	0.0058%	6.24%
12/28/21	4	22	0.0090%	9.47%	0.0058%	6.25%
12/29/21	4	23	0.0090%	9.48%	0.0058%	6.25%
12/30/21	4	24	0.0090%	9.49%	0.0058%	6.26%
12/31/21	4	25	0.0090%	9.50%	0.0058%	6.27%
01/01/22	4	26	0.0090%	9.51%	0.0058%	6.27%
01/02/22	4	27	0.0090%	9.52%	0.0058%	6.28%
01/03/22	4	28	0.0090%	9.52%	0.0058%	6.28%
01/04/22	4	29	0.0090%	9.53%	0.0058%	6.29%
01/05/22	4	30	0.0090%	9.54%	0.0058%	6.30%
01/06/22	4	31	0.0090%	9.55%	0.0058%	6.30%
01/07/22	4	32	0.0090%	9.56%	0.0058%	6.31%
01/08/22	4	33	0.0090%	9.57%	0.0058%	6.31%
01/09/22	4	34	0.0090%	9.58%	0.0058%	6.32%
01/10/22	4	35	0.0090%	9.59%	0.0058%	6.32%
01/11/22	4	36	0.0090%	9.60%	0.0058%	6.33%
01/12/22	4	37	0.0090%	9.61%	0.0058%	6.34%
01/13/22	4	38	0.0090%	9.61%	0.0058%	6.34%
01/14/22	4	39	0.0090%	9.62%	0.0058%	6.35%
01/15/22	4	40	0.0090%	9.63%	0.0058%	6.35%
01/16/22	4	41	0.0090%	9.64%	0.0058%	6.36%
01/17/22	4	42	0.0090%	9.65%	0.0058%	6.37%
01/18/22	4	43	0.0090%	9.66%	0.0058%	6.37%
01/19/22	4	44	0.0090%	9.67%	0.0058%	6.38%
01/20/22	4	45	0.0090%	9.68%	0.0058%	6.38%
01/21/22	4	46	0.0090%	9.69%	0.0058%	6.39%
01/22/22	4	47	0.0090%	9.69%	0.0058%	6.39%
01/23/22	4	48	0.0090%	9.70%	0.0058%	6.40%
01/24/22	4	49	0.0090%	9.71%	0.0058%	6.41%
01/25/22	4	50	0.0090%	9.72%	0.0058%	6.41%
01/26/22	4	51	0.0090%	9.73%	0.0058%	6.42%
01/27/22	4	52	0.0090%	9.74%	0.0058%	6.42%
01/28/22	4	53	0.0090%	9.75%	0.0058%	6.43%
01/29/22	4	54	0.0090%	9.76%	0.0058%	6.43%
01/30/22	4	55	0.0090%	9.77%	0.0058%	6.44%
01/31/22	4	56	0.0090%	9.78%	0.0058%	6.45%
02/01/22	4	57	0.0090%	9.78%	0.0058%	6.45%
02/02/22	4	58	0.0090%	9.79%	0.0058%	6.46%
02/03/22	4	59	0.0090%	9.80%	0.0058%	6.46%
02/04/22	4	60	0.0090%	9.81%	0.0058%	6.47%
02/05/22	4	61	0.0090%	9.82%	0.0058%	6.48%
02/06/22	4	62	0.0090%	9.83%	0.0058%	6.48%
02/07/22	4	63	0.0090%	9.84%	0.0058%	6.49%
02/08/22	4	64	0.0090%	9.85%	0.0058%	6.49%
02/09/22	4	65	0.0090%	9.86%	0.0058%	6.50%
02/10/22	4	66	0.0090%	9.87%	0.0058%	6.50%
02/11/22	4	67	0.0090%	9.87%	0.0058%	6.51%
02/12/22	4	68	0.0090%	9.88%	0.0058%	6.52%
02/13/22	4	69	0.0090%	9.89%	0.0058%	6.52%
02/14/22	4	70	0.0090%	9.90%	0.0058%	6.53%
02/15/22	4	71	0.0090%	9.91%	0.0058%	6.53%
02/16/22	4	72	0.0090%	9.92%	0.0058%	6.54%
02/17/22	4	73	0.0090%	9.93%	0.0058%	6.55%
02/18/22	4	74	0.0090%	9.94%	0.0058%	6.55%
02/19/22	4	75	0.0090%	9.95%	0.0058%	6.56%
02/20/22	4	76	0.0090%	9.96%	0.0058%	6.56%
02/21/22	4	77	0.0090%	9.96%	0.0058%	6.57%
02/22/22	4	78	0.0090%	9.97%	0.0058%	6.57%
02/23/22	4	79	0.0090%	9.98%	0.0058%	6.58%
02/24/22	4	80	0.0090%	9.99%	0.0058%	6.59%
02/25/22	4	81	0.0090%	10.00%	0.0058%	6.59%
02/26/22	4	82	0.0090%	10.01%	0.0058%	6.60%
02/27/22	4	83	0.0090%	10.02%	0.0058%	6.60%
02/28/22	4	84	0.0090%	10.03%	0.0058%	6.61%
03/01/22	4	85	0.0090%	10.04%	0.0058%	6.62%
03/02/22	4	86	0.0090%	10.05%	0.0058%	6.62%
03/03/22	4	87	0.0090%	10.05%	0.0058%	6.63%
03/04/22	4	88	0.0090%	10.06%	0.0058%	6.63%
03/05/22	4	89	0.0090%	10.07%	0.0058%	6.64%
03/06/22	4	90	0.0090%	10.08%	0.0058%	6.64%
03/07/22	4	91	0.0090%	10.09%	0.0058%	6.65%
03/08/22	4	92	0.0090%	10.10%	0.0058%	6.66%
03/09/22	4	93	0.0090%	10.11%	0.0058%	6.66%
03/10/22	4	94	0.0090%	10.12%	0.0058%	6.67%
03/11/22	4	95	0.0090%	10.13%	0.0058%	6.67%

03/12/22	4	96	0.0090%	10.13%	0.0058%	6.68%
03/13/22	4	97	0.0090%	10.14%	0.0058%	6.68%
03/14/22	4	98	0.0090%	10.15%	0.0058%	6.69%
03/15/22	4	99	0.0090%	10.16%	0.0058%	6.70%
03/16/22	4	100	0.0090%	10.17%	0.0058%	6.70%
03/17/22	4	101	0.0090%	10.18%	0.0058%	6.71%
03/18/22	4	102	0.0090%	10.19%	0.0058%	6.71%
03/19/22	4	103	0.0090%	10.20%	0.0058%	6.72%
03/20/22	4	104	0.0090%	10.21%	0.0058%	6.73%
03/21/22	4	105	0.0090%	10.22%	0.0058%	6.73%
03/22/22	4	106	0.0090%	10.22%	0.0058%	6.74%
03/23/22	4	107	0.0090%	10.23%	0.0058%	6.74%
03/24/22	4	108	0.0090%	10.24%	0.0058%	6.75%
03/25/22	4	109	0.0090%	10.25%	0.0058%	6.75%
03/26/22	4	110	0.0090%	10.26%	0.0058%	6.76%
03/27/22	4	111	0.0090%	10.27%	0.0058%	6.77%
03/28/22	4	112	0.0090%	10.28%	0.0058%	6.77%
03/29/22	4	113	0.0090%	10.29%	0.0058%	6.78%
03/30/22	4	114	0.0090%	10.30%	0.0058%	6.78%
03/31/22	4	115	0.0090%	10.31%	0.0058%	6.79%
04/01/22	4	116	0.0090%	10.31%	0.0058%	6.80%
04/02/22	4	117	0.0090%	10.32%	0.0058%	6.80%
04/03/22	4	118	0.0090%	10.33%	0.0058%	6.81%
04/04/22	4	119	0.0090%	10.34%	0.0058%	6.81%
04/05/22	4	120	0.0090%	10.35%	0.0058%	6.82%
04/06/22	4	121	0.0090%	10.36%	0.0058%	6.82%
04/07/22	4	122	0.0090%	10.37%	0.0058%	6.83%
04/08/22	4	123	0.0090%	10.38%	0.0058%	6.84%
04/09/22	4	124	0.0090%	10.39%	0.0058%	6.84%
04/10/22	4	125	0.0090%	10.40%	0.0058%	6.85%
04/11/22	4	126	0.0090%	10.40%	0.0058%	6.85%
04/12/22	4	127	0.0090%	10.41%	0.0058%	6.86%
04/13/22	4	128	0.0090%	10.42%	0.0058%	6.87%
04/14/22	4	129	0.0090%	10.43%	0.0058%	6.87%
04/15/22	4	130	0.0090%	10.44%	0.0058%	6.88%
04/16/22	4	131	0.0090%	10.45%	0.0058%	6.88%
04/17/22	4	132	0.0090%	10.46%	0.0058%	6.89%
04/18/22	4	133	0.0090%	10.47%	0.0058%	6.89%
04/19/22	4	134	0.0090%	10.48%	0.0058%	6.90%
04/20/22	4	135	0.0090%	10.49%	0.0058%	6.91%
04/21/22	4	136	0.0090%	10.49%	0.0058%	6.91%
04/22/22	4	137	0.0090%	10.50%	0.0058%	6.92%
04/23/22	4	138	0.0090%	10.51%	0.0058%	6.92%
04/24/22	4	139	0.0090%	10.52%	0.0058%	6.93%
04/25/22	4	140	0.0090%	10.53%	0.0058%	6.93%
04/26/22	4	141	0.0090%	10.54%	0.0058%	6.94%
04/27/22	4	142	0.0090%	10.55%	0.0058%	6.95%
04/28/22	4	143	0.0090%	10.56%	0.0058%	6.95%
04/29/22	4	144	0.0090%	10.57%	0.0058%	6.96%
04/30/22	4	145	0.0090%	10.57%	0.0058%	6.96%
05/01/22	4	146	0.0090%	10.58%	0.0058%	6.97%
05/02/22	4	147	0.0090%	10.59%	0.0058%	6.98%
05/03/22	4	148	0.0090%	10.60%	0.0058%	6.98%
05/04/22	4	149	0.0090%	10.61%	0.0058%	6.99%
05/05/22	4	150	0.0090%	10.62%	0.0058%	6.99%
05/06/22	4	151	0.0090%	10.63%	0.0058%	7.00%
05/07/22	4	152	0.0090%	10.64%	0.0058%	7.00%
05/08/22	4	153	0.0090%	10.65%	0.0058%	7.01%
05/09/22	4	154	0.0090%	10.66%	0.0058%	7.02%
05/10/22	4	155	0.0090%	10.66%	0.0058%	7.02%
05/11/22	4	156	0.0090%	10.67%	0.0058%	7.03%
05/12/22	4	157	0.0090%	10.68%	0.0058%	7.03%
05/13/22	4	158	0.0090%	10.69%	0.0058%	7.04%
05/14/22	4	159	0.0090%	10.70%	0.0058%	7.05%
05/15/22	4	160	0.0090%	10.71%	0.0058%	7.05%
05/16/22	4	161	0.0090%	10.72%	0.0058%	7.06%
05/17/22	4	162	0.0090%	10.73%	0.0058%	7.06%
05/18/22	4	163	0.0090%	10.74%	0.0058%	7.07%
05/19/22	4	164	0.0090%	10.75%	0.0058%	7.07%
05/20/22	4	165	0.0090%	10.75%	0.0058%	7.08%
05/21/22	4	166	0.0090%	10.76%	0.0058%	7.09%
05/22/22	4	167	0.0090%	10.77%	0.0058%	7.09%
05/23/22	4	168	0.0090%	10.78%	0.0058%	7.10%
05/24/22	4	169	0.0090%	10.79%	0.0058%	7.10%
05/25/22	4	170	0.0090%	10.80%	0.0058%	7.11%
05/26/22	4	171	0.0090%	10.81%	0.0058%	7.12%
05/27/22	4	172	0.0090%	10.82%	0.0058%	7.12%
05/28/22	4	173	0.0090%	10.83%	0.0058%	7.13%
05/29/22	4	174	0.0090%	10.84%	0.0058%	7.13%
05/30/22	4	175	0.0090%	10.84%	0.0058%	7.14%
05/31/22	4	176	0.0090%	10.85%	0.0058%	7.14%
06/01/22	4	177	0.0090%	10.86%	0.0058%	7.15%
06/02/22	4	178	0.0090%	10.87%	0.0058%	7.16%
06/03/22	4	179	0.0090%	10.88%	0.0058%	7.16%
06/04/22	4	180	0.0090%	10.89%	0.0058%	7.17%
06/05/22	4	181	0.0090%	10.90%	0.0058%	7.17%
06/06/22	4	182	0.0090%	10.91%	0.0058%	7.18%
06/07/22	4	183	0.0090%	10.92%	0.0058%	7.18%
06/08/22	4	184	0.0090%	10.93%	0.0058%	7.19%
06/09/22	4	185	0.0090%	10.93%	0.0058%	7.20%
06/10/22	4	186	0.0090%	10.94%	0.0058%	7.20%
06/11/22	4	187	0.0090%	10.95%	0.0058%	7.21%
06/12/22	4	188	0.0090%	10.96%	0.0058%	7.21%
06/13/22	4	189	0.0090%	10.97%	0.0058%	7.22%
06/14/22	4	190	0.0090%	10.98%	0.0058%	7.23%
06/15/22	4	191	0.0090%	10.99%	0.0058%	7.23%
06/16/22	4	192	0.0090%	11.00%	0.0058%	7.24%
06/17/22	4	193	0.0090%	11.01%	0.0058%	7.24%
06/18/22	4	194	0.0090%	11.02%	0.0058%	7.25%
06/19/22	4	195	0.0090%	11.02%	0.0058%	7.25%
06/20/22	4	196	0.0090%	11.03%	0.0058%	7.26%
06/21/22	4	197	0.0090%	11.04%	0.0058%	7.27%
06/22/22	4	198	0.0090%	11.05%	0.0058%	7.27%
06/23/22	4	199	0.0090%	11.06%	0.0058%	7.28%
06/24/22	4	200	0.0090%	11.07%	0.0058%	7.28%
06/25/22	4	201	0.0090%	11.08%	0.0058%	7.29%
06/26/22	4	202	0.0090%	11.09%	0.0058%	7.30%
06/27/22	4	203	0.0090%	11.10%	0.0058%	7.30%
06/28/22	4	204	0.0090%	11.10%	0.0058%	7.31%

06/29/22	4	205	0.0090%	11.11%	0.0058%	7.31%
06/30/22	4	206	0.0090%	11.12%	0.0058%	7.32%
07/01/22	4	207	0.0090%	11.13%	0.0058%	7.32%
07/02/22	4	208	0.0090%	11.14%	0.0058%	7.33%
07/03/22	4	209	0.0090%	11.15%	0.0058%	7.34%
07/04/22	4	210	0.0090%	11.16%	0.0058%	7.34%
07/05/22	4	211	0.0090%	11.17%	0.0058%	7.35%
07/06/22	4	212	0.0090%	11.18%	0.0058%	7.35%
07/07/22	4	213	0.0090%	11.19%	0.0058%	7.36%
07/08/22	4	214	0.0090%	11.19%	0.0058%	7.37%
07/09/22	4	215	0.0090%	11.20%	0.0058%	7.37%
07/10/22	4	216	0.0090%	11.21%	0.0058%	7.38%
07/11/22	4	217	0.0090%	11.22%	0.0058%	7.38%
07/12/22	4	218	0.0090%	11.23%	0.0058%	7.39%
07/13/22	4	219	0.0090%	11.24%	0.0058%	7.39%
07/14/22	4	220	0.0090%	11.25%	0.0058%	7.40%
07/15/22	4	221	0.0090%	11.26%	0.0058%	7.41%
07/16/22	4	222	0.0090%	11.27%	0.0058%	7.41%
07/17/22	4	223	0.0090%	11.28%	0.0058%	7.42%
07/18/22	4	224	0.0090%	11.28%	0.0058%	7.42%
07/19/22	4	225	0.0090%	11.29%	0.0058%	7.43%
07/20/22	4	226	0.0090%	11.30%	0.0058%	7.43%
07/21/22	4	227	0.0090%	11.31%	0.0058%	7.44%
07/22/22	4	228	0.0090%	11.32%	0.0058%	7.45%
07/23/22	4	229	0.0090%	11.33%	0.0058%	7.45%
07/24/22	4	230	0.0090%	11.34%	0.0058%	7.46%
07/25/22	4	231	0.0090%	11.35%	0.0058%	7.46%
07/26/22	4	232	0.0090%	11.36%	0.0058%	7.47%
07/27/22	4	233	0.0090%	11.37%	0.0058%	7.48%
07/28/22	4	234	0.0090%	11.37%	0.0058%	7.48%
07/29/22	4	235	0.0090%	11.38%	0.0058%	7.49%
07/30/22	4	236	0.0090%	11.39%	0.0058%	7.49%
07/31/22	4	237	0.0090%	11.40%	0.0058%	7.50%
08/01/22	4	238	0.0090%	11.41%	0.0058%	7.50%
08/02/22	4	239	0.0090%	11.42%	0.0058%	7.51%
08/03/22	4	240	0.0090%	11.43%	0.0058%	7.52%
08/04/22	4	241	0.0090%	11.44%	0.0058%	7.52%
08/05/22	4	242	0.0090%	11.45%	0.0058%	7.53%
08/06/22	4	243	0.0090%	11.46%	0.0058%	7.53%
08/07/22	4	244	0.0090%	11.46%	0.0058%	7.54%
08/08/22	4	245	0.0090%	11.47%	0.0058%	7.55%
08/09/22	4	246	0.0090%	11.48%	0.0058%	7.55%
08/10/22	4	247	0.0090%	11.49%	0.0058%	7.56%
08/11/22	4	248	0.0090%	11.50%	0.0058%	7.56%
08/12/22	4	249	0.0090%	11.51%	0.0058%	7.57%
08/13/22	4	250	0.0090%	11.52%	0.0058%	7.57%
08/14/22	4	251	0.0090%	11.53%	0.0058%	7.58%
08/15/22	4	252	0.0090%	11.54%	0.0058%	7.59%
08/16/22	4	253	0.0090%	11.54%	0.0058%	7.59%
08/17/22	4	254	0.0090%	11.55%	0.0058%	7.60%
08/18/22	4	255	0.0090%	11.56%	0.0058%	7.60%
08/19/22	4	256	0.0090%	11.57%	0.0058%	7.61%
08/20/22	4	257	0.0090%	11.58%	0.0058%	7.62%
08/21/22	4	258	0.0090%	11.59%	0.0058%	7.62%
08/22/22	4	259	0.0090%	11.60%	0.0058%	7.63%
08/23/22	4	260	0.0090%	11.61%	0.0058%	7.63%
08/24/22	4	261	0.0090%	11.62%	0.0058%	7.64%
08/25/22	4	262	0.0090%	11.63%	0.0058%	7.64%
08/26/22	4	263	0.0090%	11.63%	0.0058%	7.65%
08/27/22	4	264	0.0090%	11.64%	0.0058%	7.66%
08/28/22	4	265	0.0090%	11.65%	0.0058%	7.66%
08/29/22	4	266	0.0090%	11.66%	0.0058%	7.67%
08/30/22	4	267	0.0090%	11.67%	0.0058%	7.67%
08/31/22	4	268	0.0090%	11.68%	0.0058%	7.68%
09/01/22	4	269	0.0090%	11.69%	0.0058%	7.68%
09/02/22	4	270	0.0090%	11.70%	0.0058%	7.69%
09/03/22	4	271	0.0090%	11.71%	0.0058%	7.70%
09/04/22	4	272	0.0090%	11.72%	0.0058%	7.70%
09/05/22	4	273	0.0090%	11.72%	0.0058%	7.71%
09/06/22	4	274	0.0090%	11.73%	0.0058%	7.71%
09/07/22	4	275	0.0090%	11.74%	0.0058%	7.72%
09/08/22	4	276	0.0090%	11.75%	0.0058%	7.73%
09/09/22	4	277	0.0090%	11.76%	0.0058%	7.73%
09/10/22	4	278	0.0090%	11.77%	0.0058%	7.74%
09/11/22	4	279	0.0090%	11.78%	0.0058%	7.74%
09/12/22	4	280	0.0090%	11.79%	0.0058%	7.75%
09/13/22	4	281	0.0090%	11.80%	0.0058%	7.75%
09/14/22	4	282	0.0090%	11.81%	0.0058%	7.76%
09/15/22	4	283	0.0090%	11.81%	0.0058%	7.77%
09/16/22	4	284	0.0090%	11.82%	0.0058%	7.77%
09/17/22	4	285	0.0090%	11.83%	0.0058%	7.78%
09/18/22	4	286	0.0090%	11.84%	0.0058%	7.78%
09/19/22	4	287	0.0090%	11.85%	0.0058%	7.79%
09/20/22	4	288	0.0090%	11.86%	0.0058%	7.80%
09/21/22	4	289	0.0090%	11.87%	0.0058%	7.80%
09/22/22	4	290	0.0090%	11.88%	0.0058%	7.81%
09/23/22	4	291	0.0090%	11.89%	0.0058%	7.81%
09/24/22	4	292	0.0090%	11.90%	0.0058%	7.82%
09/25/22	4	293	0.0090%	11.90%	0.0058%	7.82%
09/26/22	4	294	0.0090%	11.91%	0.0058%	7.83%
09/27/22	4	295	0.0090%	11.92%	0.0058%	7.84%
09/28/22	4	296	0.0090%	11.93%	0.0058%	7.84%
09/29/22	4	297	0.0090%	11.94%	0.0058%	7.85%
09/30/22	4	298	0.0090%	11.95%	0.0058%	7.85%
10/01/22	4	299	0.0090%	11.96%	0.0058%	7.86%
10/02/22	4	300	0.0090%	11.97%	0.0058%	7.87%
10/03/22	4	301	0.0090%	11.98%	0.0058%	7.87%
10/04/22	4	302	0.0090%	11.99%	0.0058%	7.88%
10/05/22	4	303	0.0090%	11.99%	0.0058%	7.88%
10/06/22	4	304	0.0090%	12.00%	0.0058%	7.89%
10/07/22	4	305	0.0090%	12.01%	0.0058%	7.89%
10/08/22	4	306	0.0090%	12.02%	0.0058%	7.90%
10/09/22	4	307	0.0090%	12.03%	0.0058%	7.91%
10/10/22	4	308	0.0090%	12.04%	0.0058%	7.91%
10/11/22	4	309	0.0090%	12.05%	0.0058%	7.92%
10/12/22	4	310	0.0090%	12.06%	0.0058%	7.92%
10/13/22	4	311	0.0090%	12.07%	0.0058%	7.93%
10/14/22	4	312	0.0090%	12.07%	0.0058%	7.94%
10/15/22	4	313	0.0090%	12.08%	0.0058%	7.94%

10/16/22	4	314	0.0090%	12.09%	0.0058%	7.95%
10/17/22	4	315	0.0090%	12.10%	0.0058%	7.95%
10/18/22	4	316	0.0090%	12.11%	0.0058%	7.96%
10/19/22	4	317	0.0090%	12.12%	0.0058%	7.96%
10/20/22	4	318	0.0090%	12.13%	0.0058%	7.97%
10/21/22	4	319	0.0090%	12.14%	0.0058%	7.98%
10/22/22	4	320	0.0090%	12.15%	0.0058%	7.98%
10/23/22	4	321	0.0090%	12.16%	0.0058%	7.99%
10/24/22	4	322	0.0090%	12.16%	0.0058%	7.99%
10/25/22	4	323	0.0090%	12.17%	0.0058%	8.00%
10/26/22	4	324	0.0090%	12.18%	0.0058%	8.00%
10/27/22	4	325	0.0090%	12.19%	0.0058%	8.01%
10/28/22	4	326	0.0090%	12.20%	0.0058%	8.02%
10/29/22	4	327	0.0090%	12.21%	0.0058%	8.02%
10/30/22	4	328	0.0090%	12.22%	0.0058%	8.03%
10/31/22	4	329	0.0090%	12.23%	0.0058%	8.03%
11/01/22	4	330	0.0090%	12.24%	0.0058%	8.04%
11/02/22	4	331	0.0090%	12.25%	0.0058%	8.05%
11/03/22	4	332	0.0090%	12.25%	0.0058%	8.05%
11/04/22	4	333	0.0090%	12.26%	0.0058%	8.06%
11/05/22	4	334	0.0090%	12.27%	0.0058%	8.06%
11/06/22	4	335	0.0090%	12.28%	0.0058%	8.07%
11/07/22	4	336	0.0090%	12.29%	0.0058%	8.07%
11/08/22	4	337	0.0090%	12.30%	0.0058%	8.08%
11/09/22	4	338	0.0090%	12.31%	0.0058%	8.09%
11/10/22	4	339	0.0090%	12.32%	0.0058%	8.09%
11/11/22	4	340	0.0090%	12.33%	0.0058%	8.10%
11/12/22	4	341	0.0090%	12.34%	0.0058%	8.10%
11/13/22	4	342	0.0090%	12.34%	0.0058%	8.11%
11/14/22	4	343	0.0090%	12.35%	0.0058%	8.12%
11/15/22	4	344	0.0090%	12.36%	0.0058%	8.12%
11/16/22	4	345	0.0090%	12.37%	0.0058%	8.13%
11/17/22	4	346	0.0090%	12.38%	0.0058%	8.13%
11/18/22	4	347	0.0090%	12.39%	0.0058%	8.14%
11/19/22	4	348	0.0090%	12.40%	0.0058%	8.14%
11/20/22	4	349	0.0090%	12.41%	0.0058%	8.15%
11/21/22	4	350	0.0090%	12.42%	0.0058%	8.16%
11/22/22	4	351	0.0090%	12.43%	0.0058%	8.16%
11/23/22	4	352	0.0090%	12.43%	0.0058%	8.17%
11/24/22	4	353	0.0090%	12.44%	0.0058%	8.17%
11/25/22	4	354	0.0090%	12.45%	0.0058%	8.18%
11/26/22	4	355	0.0090%	12.46%	0.0058%	8.19%
11/27/22	4	356	0.0090%	12.47%	0.0058%	8.19%
11/28/22	4	357	0.0090%	12.48%	0.0058%	8.20%
11/29/22	4	358	0.0090%	12.49%	0.0058%	8.20%
11/30/22	4	359	0.0090%	12.50%	0.0058%	8.21%
12/01/22	4	360	0.0090%	12.51%	0.0058%	8.21%
12/02/22	4	361	0.0090%	12.51%	0.0058%	8.22%
12/03/22	4	362	0.0090%	12.52%	0.0058%	8.23%
12/04/22	4	363	0.0090%	12.53%	0.0058%	8.23%
12/05/22	4	364	0.0090%	12.54%	0.0058%	8.24%
12/06/22	4	365	0.0090%	12.55%	0.0058%	8.24%
Check	4			12.55%		8.24%

Support for Amounts Included in Table

Reference page 11 of Darrin Ives Direct Testimony in Case No. ER-2023-0011, filed July 1, 2022.

MO West Fuel Impact on Overall Rates					
Line No.		Rates Effective Dec 6, 2018	Proposed Effective Dec 6, 2022	Fuel Increase Before Adj./Deferral	Percentage Increase
1	Base Retail Rates - Fuel	\$ 189,453,834	\$ 237,099,513 ^A	\$ 47,645,679	6.4%
2	FAC Accumulation - Part 1	8,315,398	47,488,718	39,173,320	5.2%
3	FAC Accumulation - Part 2	11,366,822	44,603,622	33,236,800	4.4%
	Total			\$ 120,055,799	16.0%
		<i>December 6, 2022 Average Overall Rate Cap</i>			12.55%

^A This is Staff's proposed fuel cost in their direct filing. The Company's direct filed net fuel was \$223,258,949 or a \$33,805,115 fuel increase. Fuel will be true'd up to May 31, 2022 in the current rate case.

Source of Information

See two tabs within this file, "2018 GRC Assumed" and "EMS Income Statement"

See below snapshot of PISA calculation

See below snapshot of PISA calculation

12.55% obtained from PISA Calculation workpaper, "CAGR" tab.

PISA Calculation with \$13.6 million in AP30 as filed. Note the slight change in 30th AP FPA amount of \$1,602 (\$44,604,020 less \$44,603,622) due to last minute correction in FAR filing, table not updated prior to filing.

Senate Bill 564 PISA Calculation													
Evergy Missouri West (formerly GMO)													
Overall 3% Cap (Section 393.1655.3)													
		Average Overall Rate Effective December 6, 2018				Proposed Revenue for Recovery with semi-annual FAC rate update (30th Accumulation)							
Line No.		Total Revenue	Total Sales kWh	Tariff Rate	Tariff w/Avg VAF	Base Revenue	Total Revenue	Total Sales kWh	Tariff Rate	Tariff w/Avg VAF			
1	2018 Rate Case Revenue per Stipulation	\$ 744,758,135				2018 Rate Case Revenue per Stipulation	\$ 744,758,135						
2	2018 Rate Case Revenue Decrease	(23,981,212)				2018 Rate Case Revenue Decrease	(23,981,212)						
3	Total Revenue Required	\$ 720,776,923	7,957,355,672	\$ 0.09058	\$ 0.09058	Total Revenue Required	\$ 720,776,923	7,957,355,672	\$ 0.09058	\$ 0.09058			
4	effective 12/6/2018					effective 12/6/2018							
5	ER-2018-0146					ER-2018-0146							
6	Rider Revenue					Rider Revenue							
7	RESRAM	\$ 7,207,581	8,719,922,175	\$ 0.00083	\$ 0.00083	RESRAM	\$ 7,207,581	8,091,385,105	\$ 0.00089	\$ 0.00089			
8	effective 12/1/2018					effective 12/1/2021							
9	ET-2019-0092					ET-2022-0092							
10	FAC					FAC							
11	21st Accumulation					29th Accumulation							
12	Recovered March 2018 - February 2019					Recovered March 2022 - August 2022							
13	Total FPA includes true-up	\$ 8,315,398	8,761,343,321	\$ 0.00095	\$ 0.00096	Total FPA includes true-up	\$ 47,488,718	8,632,897,538	\$ 0.00550	\$ 0.00556			
14	ER-2018-0180					ER-2022-0174							
15	Weighted Avg VAF using Rate Case ER-2018-0146		0.010670			Weighted Avg VAF using Rate Case ER-2018-0146		0.010398					
16	22nd Accumulation					30th Accumulation							
17	Recovered September 2018 - August 2019					Recovered September 2022 - February 2023							
18	Total FPA includes true-up	\$ 11,366,822	8,785,320,152	\$ 0.00129	\$ 0.00130	Total FPA includes true-up	\$ 13,604,020	8,659,609,098	\$ 0.00157	\$ 0.00159			
19	ER-2018-0400					ER-2018-0146							
20	Weighted Avg VAF using Rate Case ER-2018-0146		0.010670			Weighted Avg VAF using Rate Case ER-2018-0146		0.010398					
21	Total Revenue Allowed to Recover	\$ 747,666,724			\$ 0.09367	Proposed Projected Revenue to Recover	\$ 789,077,242			\$ 0.09861			
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
32													

From "CAGR" tab in the filed PISA Calculation workpaper included with Section 8 filing.

GMO FAC Intra-Year CAGR Limits

	Overall	Large Power
Date	3.00%	2.00%
GMO Semi-Annual FAC CAGR Dates		
09/01/19	2.2110%	1.4740%
03/01/20	3.7281%	2.4807%
09/01/20	5.2858%	3.5090%
03/01/21	6.8312%	4.5246%
09/01/21	8.4356%	5.5735%
03/01/22	10.0361%	6.6151%
09/01/22	11.6887%	7.6850%
Annual Rate Case CAGR Dates		
12/06/19	3.0000%	2.0000%
12/06/20	6.0900%	4.0400%
12/06/21	9.2727%	6.1208%
12/06/22	12.5509%	8.2432%

From "West Section 8 Filing - 30th Accum Period - May 2022_CONF" workpapers - support for \$44.6 million FPA.

**Energry Missouri West (formerly KCP&L Greater Missouri Operations Company)
Section 8 Periodic Changes to Fuel Adjustment Rates**

Summary	ER-2018-0146 eff Dec 6, 2018 Sheet No. 127.13 - 127.23			notes
	Total	Large Power	Non-LP	
6-months accumulation period ending:	5/31/2022			
(FC) - 501 Fuel	\$ 22,940,439			
(FC) - 504 Steam Transfer-Fuel	\$ (7,756,254)			
(E) - 509 Allowances	\$ (6,501,413)			
(FC) - 547 Fuel	\$ 8,138,261			
(PP) - 555 Purchased Power	\$ 123,065,144			
(TC) - 565 Transmission Cost	\$ 6,000,434			
(OSSR) - 447 Off-System Sales Revenue	\$ (3,299,153)			
Actual Net Energy Cost (ANEC)	\$ 142,587,458			
Net Base Energy cost (B)	\$ 96,513,978			
Base Factor (BF)	\$ 0.02240			
Accumulation Period NSI (S _{AP})	4,308,659,751			
(ANEC-B)	\$ 46,073,480			
Jurisdictional Factor (J)	99.818280%			
(ANEC-B)*J	\$ 45,989,755			
Customer Responsibility	95%			
95% *((ANEC-B)*J)	43,690,267			
True-Up Amount (T)	\$ 522,660			- True-up Section 9
Interest (I)	\$ 551,984			- see Interest note
Prudence Adjustment Amount (P)	\$ (160,892)			- EO-2020-0262 Prudence adjustment
Fuel and Purchased Power Adjustment (FPA)	\$ 44,604,020			
PISA Deferral (Sec. 393.1400)	\$ (31,000,000)			- PISA deferral
FPA Subject to Recover in True-Up	\$ 13,604,020	\$ 3,483,615	\$ 10,120,405	- See PISA calc workpaper
Estimated Recovery Period Retail NSI (S _{RP})	8,659,609,098	2,217,487,512	6,442,121,586	September 2022 - August 2023
Current Period Fuel Adjustment Rate (FAR)	\$ 0.00157	\$ 0.00157	\$ 0.00157	
VAF _{Sec}	1.0426	1.0426	1.0426	
Current Period FAR _{Sec} = FAR x VAF _{Sec}	\$ 0.00164	\$ 0.00164	\$ 0.00164	- 30th accumulation period
Prior Period FAR _{Sec}	\$ 0.00573	\$ 0.00573	\$ 0.00573	- 29th accumulation period
Current Annual FAR _{Sec}	\$ 0.00737	\$ 0.00737	\$ 0.00737	- for billing Sept 2022 - Feb 2023
VAF _{Prim}	1.0268	1.0268	1.0268	
Current Period FAR _{Prim} = FAR x VAF _{Prim}	\$ 0.00161	\$ 0.00161	\$ 0.00161	- 30th accumulation period
Prior Period FAR _{Prim}	\$ 0.00565	\$ 0.00565	\$ 0.00565	- 29th accumulation period
Current Annual FAR _{Prim}	\$ 0.00726	\$ 0.00726	\$ 0.00726	- for billing Sept 2022 - Feb 2023
VAF _{Sub}	1.0133	1.0133	1.0133	
Current Period FAR _{Sub} = FAR x VAF _{Sub}	\$ 0.00159	\$ 0.00159	\$ 0.00159	- 30th accumulation period
Prior Period FAR _{Sub}	\$ 0.00557	\$ 0.00557	\$ 0.00557	- 29th accumulation period
Current Annual FAR _{Sub}	\$ 0.00716	\$ 0.00716	\$ 0.00716	- for billing Sept 2022 - Feb 2023
VAF _{Trans}	1.0100	1.0100	1.0100	
Current Period FAR _{Trans} = FAR x VAF _{Trans}	\$ 0.00159	\$ 0.00159	\$ 0.00159	- 30th accumulation period
Prior Period FAR _{Trans}	\$ 0.00556	\$ 0.00556	\$ 0.00556	- 29th accumulation period
Current Annual FAR _{Trans}	\$ 0.00715	\$ 0.00715	\$ 0.00715	- for billing Sept 2022 - Feb 2023

*In accordance with Section 393.1655.6, the Current Period Fuel Adjustment Rate (FAR) is calculated by limiting the Fuel and Purchased Power Adjustment (FPA) to 2% per annum for the Large Power rate class beginning December 6, 2018. Non-LP includes all other rate classes.

Rolling 12 Month Revenues and O & M Expenses - Schedule 9

Line No.	Account No.	Description	Test Year 06/30/17	Total Company Rate Case Adjustments	Total Company Adjusted Balance	Juris Factor #	Juris Allocator	Electric Retail Adjusted Balance
	A	B	C	D	E	F	G	H
1		Operating Revenues						
2		<i>Electric Operating Revenues</i>						
3	440001	Elec Sales-Residential-Urban	724,875,643	(8,711,618)	716,164,025	1,1	100.0000%	716,164,025
4	442001	Elec Sales-Coml Monthly		-	-	1,1	100.0000%	-
5	442202	Elec Sales-Manufacturing Other		-	-	1,1	100.0000%	-
6	444001	Elec Sales-Public St Light		-	-	1,1	100.0000%	-
7	445001	Elec Sales-Public Authorities	28,594,110	-	28,594,110	1,1	100.0000%	28,594,110
8	447020	SFR Partial Requirements	6,382,041		6,382,041	4,1	99.6200%	6,357,789
	447020	SFR Partial Requirements		(7,581,392)	(7,581,392)		100.0000%	(7,581,392)
9	447030	SFR Off System Sales (bk20)	2,594,651	(2,594,651)	-	4,1	100.0000%	-
10	447031	Rev InterUN/IntraST MO (bk11)	-	-	-	4,1	99.6200%	-
11	447032	SFR Interstate	1,273,218	(1,273,218)	-	4,1	100.0000%	-
12	447035	SFR Off System Sales-WAPA	872,462		872,462	4,1	99.6200%	869,147
	447035	SFR Off System Sales-WAPA		(5,000)	(5,000)		100.0000%	(5,000)
13	447101	Resales-Private Utilities	15,712	-	15,712	4,1	99.6200%	15,652
14	447103	Resales-Municipalities	1,487,952	-	1,487,952	2,2	0.0000%	-
15	449000	Other Sales Revenue	-	33,280	33,280	5,1	99.7602%	33,200
16	449110	Prov for Rate Refund Riders	11,637,839	(11,223,852)	413,987	1,1	100.0000%	413,987
17	450001	Other Oper Rev-Forf Disc	745,307	(19,886)	725,421	1,1	100.0000%	725,421
18	451001	Misc Serv Rev	310,485	-	310,485	1,1	100.0000%	310,485
19	451002	Misc Serv Rev Replace Dmgd Mtr	12,305	-	12,305	1,1	100.0000%	12,305
20	451003	Misc Serv Rev Coll Service	139,450	-	139,450	1,1	100.0000%	139,450
21	451004	Other Rev-Disconnect Serv Char	51,021	-	51,021	1,1	100.0000%	51,021
22	451101	Misc Serv Rev Temp Inst	9,877	-	9,877	1,1	100.0000%	9,877
23	454001	Other Rev-Rent - Electric Prop	1,005,232	-	1,005,232	1,1	100.0000%	1,005,232
24	456009	Other Rev - Transm	140,344	-	140,344	8,1	99.6600%	139,867
25	456100	Revenue Trans Elect for Others	13,809,059	(1,193,092)	12,615,967	8,1	99.6600%	12,573,073
	456100	Revenue Trans Elect for Others		4,406,948	4,406,948		100.0000%	4,406,948
26	456101	Miscellaneous Elec Oper Rev	484,600		484,600	8,1	99.6600%	482,952
	456101	Miscellaneous Elec Oper Rev		(30,788)	(30,788)		100.0000%	(30,788)
27	456102	Other Rev-Return Chk Svc Chg	217,470	-	217,470	8,1	99.6600%	216,731
28	456109	Other Elec Rev Transm	-	-	-	8,1	99.6600%	-
29	456730	Other Elec Rev Ind Stm Ops Sjp	15,028,670	-	15,028,670	2,2	0.0000%	-
30	456735	Other Elec Rev Ind Stm Qca	509,870	-	509,870	2,2	0.0000%	-
31		Total Operating Revenues	810,197,318	(28,193,269)	782,004,049			764,904,091
32		Operating Expenses						
33		<i>Electric Operating Expense</i>						
34	500000	Prod-Steam Oper-Supv & Enginr	1,599,559	(135,490)	1,464,069	3,13	92.5306%	1,354,711
35	500000E	Prod-Steam Oper-Supv & Enginr-Elec	90,753	165,491	256,244	1,1	100.0000%	256,244
36	501000	Fuel Exp-Deliv Cost Coal Burn	72,079,183	4,942,073	77,021,256	4,1	99.6200%	76,728,575
37	501020	Fuel on System Steam		488,066	488,066	4,1	99.6200%	486,211
38	501030	Fuel Off-System Steam (bk20)		(31,742)	(31,742)	4,1	99.6200%	(31,621)
39	501033	FuelSteamInterUN/IntraST(bk11)		-	-	4,1	99.6200%	-
40	501300	Fuel Exp-Additives - Limestone	2,276,415	19,316	2,295,731	4,1	99.6200%	2,287,007
41	501400	Fuel Exp-Residuals	(115,702)	(132,660)	(248,362)	4,1	99.6200%	(247,418)
42	501420	Fuel Exp-Residuals Non FAC	523,246	(118,753)	404,493	4,1	99.6200%	402,956
43	501450	Fuel Exp-Residuals-Landfills	283,200	(283,200)	-	4,1	99.6200%	-
44	501500	Fuel Handling Costs	5,414,218	-	5,414,218	4,1	99.6200%	5,393,644
45	501501	Fuel Hndlg-Oil Purch Exp-Start		-	-	4,1	99.6200%	-
46	501502	Fuel Hndlg-Coal Pile Mgmt-Pwr		-	-	4,1	99.6200%	-
47	501503	Fuel Handling Negot Transp Cnt		-	-	4,1	99.6200%	-
48	501504	Fuel Hndlg-Plan Fuel Req-Pwr P		-	-	4,1	99.6200%	-
49	501506	Fuel Hndlg-Receive Coal		-	-	4,1	99.6200%	-
50	501507	Fuel Hndlg-Fossil Fuel Unload		-	-	4,1	99.6200%	-
51	501508	Fuel Handling - Stacker		-	-	4,1	99.6200%	-
52	501509	Fuel Handling - Coal Pile		-	-	4,1	99.6200%	-
53	501510	Fuel Handling - Conveyor		-	-	4,1	99.6200%	-
54	501700	Fuel Expense Industrial Steam	7,690,037	-	7,690,037	2,2	0.0000%	-
55	502000	Steam Oper-City Water		(22,658)	(22,658)	3,13	92.5306%	(20,966)
56	502001	Steam Oper-Boiler		-	-	3,13	92.5306%	-
57	502002	Steam Oper-Nitrogen		-	-	3,13	92.5306%	-
58	502004	Steam Oper-Water		-	-	3,13	92.5306%	-
59	502005	Steam Oper-Condensate		-	-	3,13	92.5306%	-
60	502012	Steam Oper- Ash		-	-	3,13	92.5306%	-
61	502014	Steam Oper-Air Pollution Contr		-	-	3,13	92.5306%	-
62	502015	Steam Oper-Water Pollution Con		-	-	3,13	92.5306%	-
63	502020	Steam Ops Apx Precipitator	9,272,025	-	9,272,025	3,13	92.5306%	8,579,457
64	502021	Steam Ops ACQ Baghouse		-	-	3,13	92.5306%	-
65	502022	Steam Ops Wet Gas Scrubber		-	-	3,13	92.5306%	-
66	502024	Steam Ops AQC Scr		-	-	3,13	92.5306%	-
67	502025	Steam Ops Activated CO2 Inject		-	-	3,13	92.5306%	-
68	504100	Steam Transfer Exp	(7,690,037)	-	(7,690,037)	2,2	0.0000%	-
69	505000	Steam Ops Elec Exp Other	3,432,120	(9,504)	3,422,616	3,13	92.5306%	3,166,966
70	505004	Steam Op Ele Exp Comp Air Sys		-	-	3,13	92.5306%	-
71	505005	Steam Ops Ele Exp Cooling Sys		-	-	3,13	92.5306%	-
72	505007	Steam Ops Ele Exp Facilities		-	-	3,13	92.5306%	-
73	505010	Steam Ops Ele Exp Turbine Gen		-	-	3,13	92.5306%	-
74	505011	Steam Ops Ele Exp Aux System		-	-	3,13	92.5306%	-
75	506000A	Misc Steam Power Operations	5,434,699	(6,186)	5,428,513	3,13	92.5306%	5,023,034
76	506000E	Steam Ops Misc Steam Power Exp -Elec	-	-	-	1,1	100.0000%	-
77	506000S	Steam Ops Misc Steam Power Exp -Steam	-	-	-	2,2	0.0000%	-
78	507000	Steam Power Operations - Rents	72,305	-	72,305	3,13	92.5306%	66,904
79	509000A	El Op Exp-Allowances	(167,229)	-	(167,229)	4,1	99.6200%	(166,594)
80	509000E	El Op Exp-Allowances-Elec	-	-	-	1,1	100.0000%	-
81		TOTAL ELEC OPER STEAM PROD	100,194,792	4,874,753	105,069,545			103,279,112
82	546000	Prod-Turbine Oper-Supv & Engnr	79,428	(18,506)	60,922	3,1	99.6600%	60,715
83	547000	Oth Prod Fuel	2,621,012	336,115	2,957,127	4,1	99.6200%	2,945,890
84	547020	Fuel On-System Other Prod	(1,196,481)	1,196,481	-	4,1	99.6200%	-
85	547027	Fuel OnSys Oth Prod-Demand	3,557,516	(309,539)	3,247,977	3,1	99.6600%	3,236,934

Rolling 12 Month Revenues and O & M Expenses - Schedule 9

Line No.	Account No.	Description	Test Year 06/30/17	Total Company Rate Case Adjustments	Total Company Adjusted Balance	Juris Factor #	Juris Allocator	Electric Retail Adjusted Balance
86	547030	Fuel Off-Sys Other Prod (bk20)	27,352	(27,352)	-	4,1	99.6200%	-
87	547033	FuelOtherInterUN/IntraST(bk11)	1,169,129	(1,169,129)	-	4,1	99.6200%	-
88	547100	Oth Prod Fuel Handling	63,385	(49,599)	13,786	4,1	99.6200%	13,734
89	547102	Comb Turbine-Gas Purch Exp	67,921	-	67,921	4,1	99.6200%	67,663
90	548000	Comb Turbine-City Water	1,135,460	(2,994)	1,132,466	3,1	99.6600%	1,128,616
91	548002	Comb Turbine-AQC-	-	-	-	3,1	99.6600%	-
92	548003	Comb Turbine-Turb/Genr-CT	-	-	-	3,1	99.6600%	-
93	549000	CombTurbine Oper-Misc Other	587,487	(5,759)	581,728	3,1	99.6600%	579,750
94	549001	Comb Turbine - Facilities	-	-	-	3,1	99.6600%	-
95		TOTAL ELEC OPER OTHER PROD	8,112,209	(50,282)	8,061,927			8,033,301
96	555000	Purch Pwr-Energy & Cpcty Pur-AI	132,519,770	(34,183,876)	98,335,894	4,1	99.6200%	97,962,218
97	555005	Purch Pwr-Capacity Purch-Gardn	1,322,088	(1,291,151)	30,937	3,1	99.6600%	30,832
98	555021	Base Pwr On-Sys Interco (bk10)	-	-	-	4,1	99.6200%	-
99	555030	Purchased Power Off-Sys Sales	(165,678)	165,678	-	3,1	99.6600%	-
100	555031	Purch Pwr Off-System Interunit	-	-	-	4,1	99.6200%	-
101	555032	PurchasePower Intrastate(bk11)	9,198	(9,198)	-	4,1	99.6200%	-
102	555035	Purchased Power Off-Sys-WAPA	356,302	(356,302)	-	4,1	99.6200%	-
103	556000	System Control and Load Dispath	734,790	(1,869)	732,921	4,1	99.6200%	730,136
104	557000	Prod-Other-Other Expenses	2,339,314	(69,598)	2,269,716	4,1	99.6200%	2,261,091
105	557100	Other Production Exp Riders	(6,203,989)	6,203,989	-	1,1	100.0000%	-

44	447.020	Sales for Resale (SFR) Retail	(1,002,189)
45	447.030	Sales for Resale Bulk - energy	(31,630)
46	447.031	Rev InterUN/IntrasST MO (nk11)	-
47	447.031	Sales for Resale Intu Un Inst	-
48	447.032	Sales for Resale Interstate - non-juris 0%	-
49	447.035	SFR Off System Sales - WAPA - energy	866,786
50	447.101	Sales for Resales - Private Utilities - energy	16,378
51	447.103	Resales - Municipalities - (non-juris 0%)	-
	501.000	Fuel Expense - Coal	32,333,414
	501.000	Fuel Expense - Natural Gas	(136,855)
	501.000	Fuel Expense - Oil	136,855
	501.300	Fuel Additives - Fuel Additives	1,500,797
	501.400	Fuel Additives - Residuals	202,911
	501.420	Fuel Exp - Residuals Non FAC	19,691
	501.450	Fuel Exp - Residuals - Landfill	-
	501.500	Fuel Handling Expense	107,100
	501.502	Fuel Handling Coal Pile Mgmt	138,008
	501.506	Fuel Handling Receive Coal	403,964
	501.507	Fuel Handling Unload Coal	229,803
	501.508	Fuel Handling Stacker	28,150
	501.509	Fuel Handling Coal Pile	189,025
	501.510	Fuel Handling Convayer	225,890
	501.600	Fuel Expense Rider Underrecov -	-
	501.700	Fuel Expense Industrial Steam	-
	547.000	Other Fuel Expense - Natural Gas -	4,267,061
	547.000	Other Fuel Expense - Natural Gas Hedging -	-
	547.020	Other Fuel Expense - Fuel On System -	(156,025)
	547.027	Other Fuel Expense - On System Other Prod -	3,678,920
	547.027	Other Production Fuel Off System	-
	547.030	Fuel Off System Other Prod (bk20) -	156,025
	547.033	Other Fuel Expense InterCompanyUN / Intra ST (bk11) -	-
	547.100	Other Prod Fuel Holding -	1,221
	547.102	Comb Turbine - Gas Purchase Exp -	18,141
	555.000	Purchased Power for Baseload -	185,124,417
	555.005	Purchase Power - Capacity Purch-Gardn -	6,188,420
	555.030	Purchase Power Off-Sys Sales -	-
	555.032	Purchase Power Intrastate (bk11) -	-
	555.035	Purchase Power Off-Sys WAPA -	-
	555.070	Purchased Power - Admin Fees	2,292,085
	555.080	Purchased Power RENEW Tariff	-
	555.081	Purchased Power RENEW Settle	-
	555.090	Purchased Power SPECCUST	-
	555.091	Purchased Power SPECCUST Settle	-

237,099,673

Note: Account 509 excluded from above amounting to (\$314,979)

236,784,694

Corrected total including Account 509

Overall 3% Cap (Section 393.1655.3)

Line No.	Description	Average Overall Rate Effective December 6, 2018				Proposed Revenue for Recovery with semi-annual FAC rate update (30th Accumulation)			
		Total Revenue	Total Sales kWh	Tariff Rate	Tariff w/Avg VAF	Total Revenue	Total Sales kWh	Tariff Rate	Tariff w/Avg VAF
1	Base Revenue								
2	2018 Rate Case Revenue per Stipulation	\$ 744,758,135				\$ 744,758,135			
3	2018 Rate Case Revenue Decrease	(23,981,212)				(23,981,212)			
4	Total Revenue Required	\$ 720,776,923	7,957,355,672	\$ 0.09058	\$ 0.09058 Avg Base Rate	\$ 720,776,923	7,957,355,672	\$ 0.09058	\$ 0.09058
6	Rider Revenue								
7	RESRAM								
8	effective 12/1/2018	\$ 7,207,581	8,719,922,175	\$ 0.00083	\$ 0.00083 Avg Rider Rate	\$ 7,207,581	8,091,385,105	\$ 0.00089	\$ 0.00089
10	FAC								
11	21st Accumulation								
12	Recovered March 2018 - February 2019								
13	Total FPA includes true-up	\$ 8,315,398	8,761,343,321	\$ 0.00095	\$ 0.00096 Avg Rider Rate	\$ 47,488,718	8,632,897,538	\$ 0.00550	\$ 0.00556
14	Weighted Avg VAF using Rate Case ER-2018-0146		0.010670				0.010398		
15	22nd Accumulation								
16	Recovered September 2018 - August 2019								
17	Total FPA includes true-up	\$ 11,366,822	8,785,320,152	\$ 0.00129	\$ 0.00130 Avg Rider Rate	\$ 13,604,020	8,659,609,098	\$ 0.00157	\$ 0.00159
18	Weighted Avg VAF using Rate Case ER-2018-0146		0.010670				0.010398		
20	Total Revenue Allowed to Recover	\$ 747,666,724			\$ 0.09367 Avg Overall Rate	\$ 789,077,242			\$ 0.09861
22									
23									
24									
25									
26	For rates effective September 2022 (30th AP)								
27									
28	3% Average Overall Rate Cap is actually:				11.6887%				
29									
30									
31									
32									

After Adjustment:

Revised tariff amount	Revenue	Sales kWh	Tariff Rate
Original 30th Accumulation	\$ 13,604,020	8,659,609,098	\$ 0.00157
Amount Deferred	-	-	-
Final 30th Accumulation FPA	\$ 13,604,020	8,659,609,098	\$ 0.00157

Large Power 2% Cap (Section 393.1655.6)

Line No.	Description	Class Average Overall Rate Effective December 6, 2018				Proposed Revenue for Recovery with semi-annual FAC rate update (30th Accumulation)			
		Large Power Revenue	Large Power Sales kWh	LP Tariff Rate	LP Tariff w/Avg VAF	Large Power Revenue	Large Power Sales kWh	LP Tariff Rate	LP Tariff w/Avg VAF
33	Base Revenue LP								
34	2018 Rate Case Revenue per Stipulation	\$ 130,744,916				\$ 130,744,916			
35	2018 Rate Case Revenue Decrease	(4,209,986)				(4,209,986)			
36	Total Revenue Required	\$ 126,534,930	2,060,228,862	\$ 0.06142	\$ 0.06142 Class Avg Base Rate	\$ 126,534,930	2,060,228,862	\$ 0.06142	\$ 0.06142
37			25.89%				25.89%		
38	Rider Revenue								
39	RESRAM LP								
40	effective 12/1/2018	\$ 1,873,798	2,257,587,851	\$ 0.00083	\$ 0.00083 Class Avg Rider Rate	\$ 1,864,425	2,094,859,604	\$ 0.00089	\$ 0.00089
41									
42	FAC								
43	21st Accumulation LP								
44	Recovered March 2018 - February 2019								
45	Total FPA includes true-up	\$ 2,154,896	2,268,311,786	\$ 0.00095	\$ 0.00096 Class Avg Rider Rate	\$ 12,148,416	2,208,440,965	\$ 0.00550	\$ 0.00556
46	Weighted Avg VAF using Rate Case ER-2018-0146		0.010575				0.010326		
47	22nd Accumulation LP								
48	Recovered September 2018 - August 2019								
49	Total FPA includes true-up	\$ 2,934,130	2,274,519,387	\$ 0.00129	\$ 0.00130 Class Avg Rider Rate	\$ 3,483,615	2,217,487,512	\$ 0.00157	\$ 0.00159
50	Weighted Avg VAF using Rate Case ER-2018-0146		0.010575				0.010326		
51									
52	Total Revenue Allowed to Recover	\$ 133,497,754			\$ 0.06451 Class Avg Overall Rate	\$ 144,031,386			\$ 0.06945
53									
54									
55									
56									
57	For rates effective September 2022 (30th AP)								
58									
59	2% Class Average Overall Rate Cap is actually:				7.6850%				
60									
61									
62									
63									
64	Note: LP kWh sales are not projected at the rate ID level, but only at the revenue class level (example: Residential, Commercial, Industrial)								
65	LP kWh sales are being allocated based on the % LP kWh sales to total kWh sales established in the last GMO rate case, Case No. ER-2018-0146.								
66									
67	Per Section 393.1655.6 - Any amount in excess of the 2% limitation shall be allocated to all other Non-LP rate classes through a uniform percentage adjustment. Reference Section 8 workpapers, Fuel and Purchased Power Adjustment (FPA) line item for the 6-month accumulation period that ties to the Final LP FPA calculated above.								

After Adjustment:

Revised tariff amount	Revenue	Sales kWh	Tariff Rate
Original LP FPA	\$ 3,483,615	2,217,487,512	\$ 0.00157
Adjustment	-	-	-
Final LP FPA	\$ 3,483,615	2,217,487,512	\$ 0.00157
Ref. Tariff Sheet No. 127.23	Line 11	Line 12	Line 13

Final Non-LP FPA	\$ 10,120,405	6,442,121,586	\$ 0.00157
Ref. Tariff Sheet No. 127.23	Line 11	Line 12	Line 13

Final 30th Accumulation FPA	\$ 13,604,020	8,659,609,098	
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	REVISED			
	Rates Effective Dec 6, 2018	Proposed Effective Dec 6, 2022	Fuel Increase	Percentage Increase
Base Retail Rates - Fuel	189,453,834	236,784,694 a	47,330,860	6.3%
FAC Accumulation - Part 1	8,315,398	47,488,718	39,173,320	5.2%
FAC Accumulation - Part 2	11,366,822	44,604,020 b	33,237,198	4.4%
Total			119,741,378	16.0%
		December 6, 2022 Average Overall Rate Cap		12.55%

747,666,724 denominator for Percentage Increase calculation
 Total Revenue Allowed to Recover - "GMO cap tests (NOT FILED)" tab. Cell E28

Notes:

- a - Correction to include account 509 Allowances in calculation.
- b - Slight change in 30th AP amount of \$1,602 (\$44,604,020 less \$44,603,622) due to last minute correction in FAR filing, table in testimony not updated prior to filing.