Exhibit No.:

Issue(s): Bad Debt Expense,

Forfeited Discounts

Witness: Antonija Nieto

Sponsoring Party: MoPSC Staff
Type of Exhibit: Rebuttal Testimony

Case No.: ER-2024-0189

Date Testimony Prepared: August 6, 2024

MISSOURI PUBLIC SERVICE COMMISSION

FINANCIAL AND BUSINESS ANALYSIS DIVISION AUDITING DEPARTMENT

REBUTTAL TESTIMONY

OF

ANTONIJA NIETO

EVERGY MISSOURI WEST, INC., d/b/a Evergy Missouri West

CASE NO. ER-2024-0189

Jefferson City, Missouri August 6, 2024

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1		REBUTTAL TESTIMONY
2		OF
3		ANTONIJA NIETO
4		EVERGY MISSOURI WEST, INC.,
5		d/b/a Every Missouri West
6		CASE NO. ER-2024-0189
7	Q.	Please state your name and business address.
8	A.	My name is Antonija Nieto. My business address is Fletcher Daniels State Office
9	building, Roo	om 201, 615 East 13 th Street, Kansas City, MO 64106.
10	Q.	By whom are you employed and in what capacity?
11	A.	I am a Lead Senior Utility Regulatory Auditor with the Missouri Public Service
12	Commission.	
13	Q.	Are you the same Antonija Nieto who previously filed direct testimony in
14	this case?	
15	A.	Yes.
16	EXECUTIV.	E SUMMARY
17	Q.	Please summarize your rebuttal testimony.
18	A.	In my rebuttal testimony I will respond to the direct testimony of Evergy
19	Missouri Wes	st's ("EMW") witness Linda J. Nunn on two topics:
20		• Bad Debt Expense – direct testimony, pages 18-19, and
21		• Forfeited Discounts – direct testimony, page 15.

BAD DEBT EXPENSE

- Q. Please summarize EMW's recommendation for bad debt expense.
- A. EMW adjusted bad debt expense applicable to annualized and normalized revenues by applying a Missouri-specific net bad debt write-off factor using the same methodology Staff used in its adjustment. Furthermore, EMW included an additional \$333,412 of Missouri jurisdictional bad debt expense (also known as bad debt "factor up") in their direct filed revenue requirement request.
 - Q. What does EMW's factor-up represent?
- A. EMW's bad debt factor-up represents hypothetical bad debt expense that will be incurred solely because EMW's rates increase. The cost produced by the factor-up is above and beyond the annualized bad debt expense adjustment that is based on the ratio of bad debt to rate revenue updated through December 31, 2023. Staff is opposed to EMW's request to recover bad debt expense in excess of the annualized level of bad debt expense calculated in this case. EMW has also included a factor-up for late payment fee revenue (also referred to as forfeited discounts) in the amount of \$130,626 based on their direct filed revenue requirement request. I will address EMW's proposal to factor up late payment fees later in testimony.

EMW's rationale for making this request assumes that any increase in customer rates granted by the Commission will cause bad debt expense to also directly increase proportionally. However, EMW has not demonstrated that a correlation exists between the level of rate revenue and the percentage of bad debts that would justify the reflection of a further adjustment for bad debt expense in rates. EMW's assumption is speculative and is not based upon known and measurable changes.

Q. How did Staff develop its bad debt expense recommendation?

A. Staff has based its rate recommendation for this item on actual historical levels of bad debt. Based on its review of historical levels, Staff concludes that there has been no correlation between bad debts and the level of rate increases, or even the level of revenue growth of EMW. Staff's analysis of the actual net write-offs to related revenues as depicted in the attached charts and graphs (Confidential Schedule AN-r2) indicate that bad debt expense sometimes moves in the opposite direction or not in proportion to rates/revenues when levels of rates and revenues change.

Staff recommends that the Commission deny EMW's proposed bad debt "factor-up" for bad debts. However, in the event that the Commission does grant EMW's request to "factor-up" bad debt expense proportionate with a change in revenue requirement, Staff recommends it also "factor-up" additional forfeited discounts (late payment fees), discussed in more detail below, that would be assumed to change as a result of the rate change. If the Commission concludes that it is reasonable and appropriate to "factor-up" bad debt expense for purposes of setting rates, on the theory that EMW will experience a higher level of bad debts as a result of a rate increase, then it is reasonable to conclude that EMW will also experience a higher level of late payment revenue resulting from those higher rates. To summarize, Staff recommends the Commission deny both factor-ups, but if bad debt expense is ordered to be factored up, then late payment fees should also be factored-up.

- Q. How did Staff develop its annualized bad debt expense recommendation?
- A. Staff annualized bad debt expense using the historical ratio between bad debt and retail revenues through December 2023. Staff applied this ratio to Staff's weather normalized annualized rate revenues amount as of June 2024. Staff and EMW have used this

- method to normalize bad debt expense for the past several cases. There is no apparent disagreement between Staff and EMW concerning this portion of bad debt expense.
 - Q. In Staff's opinion, is it reasonable to assume that there will be bad debts associated with a revenue requirement change granted in this rate case?
 - A. Upon examining actual historical bad debts in relationship to revenues, there is not any apparent relationship between bad debts and changes in revenues; EMW's assumption lacks support. Thus, any change in EMW's revenues should not be assumed to automatically cause a proportional change to bad debt expense, on a dollar-for-dollar basis. Staff's analysis demonstrates no evidence of this direct correlation for EMW currently or in the past, nor has EMW produced any evidence of such a correlation in their testimony or workpapers in these cases. In fact, at various times as revenues increased, bad debts have actually declined. In other instances, when revenues decreased, bad debts increased (*see* attached Confidential Schedule AN-r1). The conclusion is there is no direct relationship between bad debts and revenue changes and that any fluctuations are random.

The usual justification for use of the bad debt "factor-up" is the incorrect assumption that it is necessary to match dollar-for-dollar the level of bad debt expense established in a rate case with the amount of additional revenue requirement increase approved by the Commission. In other words, the use of bad debt "factor-up" implies that it is a virtual certainty that with each rate change, bad debts will also change proportionally. Should the factor-up be granted, this additional amount of bad debt expense would be calculated and added to the annualized level of bad debt expense found reasonable for inclusion in the utility's revenue requirement. The amount of any ordered bad debt "factor-up" will be derived by applying the bad debt expense ratio to the expected revenue requirement increase to be granted by the Commission. Staff's

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1 analysis concludes EMW's proposed bad debt factor-up request should not be adopted in this 2 case, nor should additional late payment fees be included based on the rate change ordered in 3 this case. Therefore, Staff recommends that the Commission not adopt EMW's request. 4 Q. What analysis has Staff performed to support the position that no direct 5 relationship exists for bad debts relating to changes in revenue requirement for EMW? 6 A. Attached to this rebuttal testimony are several schedules. 7 • Confidential Schedule AN-r1 is a historical monthly analysis of 8 EMW's bad debts (net write-offs) and retail revenue levels. Listed 9 on the schedule are the monthly revenues, along with the 10 corresponding bad debt. The monthly percentage change in both is 11 shown, as well as the number of instances where bad debts and 12 revenues changed in opposite directions from month to month. 13 Confidential Schedule AN-r2 is a graphical analysis of monthly 14 retail revenues and bad debt for time period January 2001 through 15 December 2023. 16 Confidential Schedule AN-r3 is a graphical analysis of the monthly 17 percent change in bad debts and retail revenues for time period 18 January 2001 through December 2023. 19 Confidential Schedule AN-r4 is the quarterly rolling percentage of bad debt compared to retail revenue for the same time period for 20 21 EMW. 22 Confidential Schedule AN-r5 is a graph of the quarterly rolling 23 percentage of bad debt compared to retail revenue from December 2001 through December 2023. 24 25 Q. What do the schedules you have provided demonstrate? 26 A. The information shown in the graphical analysis clearly demonstrates there is no 27

direct relationship between bad debts and changes in revenues that would have to exist to justify a bad debt "factor-up" calculation. This conclusion holds true in examining the month-to-month change in bad debt and revenue, and also the quarterly rolling relationship between bad debt and revenue as shown in the attached schedules.

- Q. What are some historical examples specific to Evergy when bad debts did not increase proportionately to increased or decreased revenues?
- A. Staff reviewed the changes or variations that occurred between electric retail revenues and actual bad debt write-offs for the period from January 2001 through December 2023 for EMW (*see* attached schedules).

While electric revenues increased (or decreased), actual bad debt write-offs tend to decrease (or increase) by different amounts and in different directions. In fact, during EMW's summer peaking months, there was at least one month each year where revenues and bad debts had an inverse relationship from January 2007 through December 2022. In 2023, Staff's analysis shows inverse relationship between revenues and bad debt in February, March, April, May, and November. Even in situations where revenues and bad debts tend to move in the same direction, Staff observed that they were either increased or decreased by different and disproportionate amounts. The following table identifies several examples during the peak summer months when the increase or decrease in EMW's revenues is not consistent with the increase or decrease in bad debts:

Month/Year	Revenue Percentage Change	Bad Debt Percentage Change
June 2019	-3.56%	24.47%
July 2019	-4.68%	20.87%
September 2019	135.47%	-15.02%
June 2020	-43.48%	59.46%
July 2020	-31.65%	13.54%
August 2020	12.34%	-10.83%
June 2021	-0.68%	42.51%
September 2022	-24.96%	49.56%

- Q. What is the significance of the summer peaking months discussed above?
- A. The summer peaking months of June through September represent the months EMW's revenues are at their highest during a given year. For EMW's argument to hold true, bad debts would increase during its summer peaking months when revenues are increasing. Based on the tables above, EMW's argument simply does not hold true.
 - Q. On an annual basis, what is the comparison of EMW bad debts to revenues?
- A. Confidential Schedule AN-r5 graphically depicts EMW's bad debts as a percentage of revenues on a 12-month rolling quarterly basis. Case No. ER-2001-672, which was consolidated with a complaint case, resulted in a rate decrease, and, contrary to EMW's assumptions, bad debts increased after this rate decrease. Additionally, after the rates went into effect in Case No. ER-2018-0146 on December 6, 2018, bad debt as a percentage of revenue went up in the first quarter of 2019. Confidential Schedule AN-r5 shows that bad debts, as a percentage of revenues, actually decreased after the 2010 and 2012 rate increases, and increased after 2018 rate decrease. Since the 2018 Rate Case, EMW's bad debt ratio has been fluctuating with high percentage of bad debt compared to revenues of 1.98% in January of 2019, to low of 0.17% in October 2023. This data directly contradicts EMW's assumptions and conclusions underlying its proposed bad debt factor-up.
- Q. You stated earlier that the bad debt factor-up is not "known and measurable". Please explain.
- A. The anticipated effective date of rates in this case is January 2025. The annual revenue requirement authorized by the Commission, will be collected in the following 12 months. Bad debt expense lags behind revenues by six months, so a full twelve months of bad debt expense associated with a full twelve months of revenues resulting

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from these rate cases will not be incurred until June 2026, 18 months beyond the operation of law date and 24 months beyond the true-up date in this case. In other words, EMW's adjustment for bad debt associated with the revenue requirement attempts to include a cost in rates that may or may not be realized until 18 months beyond the change in rates, which is certainly not known and measurable. FORFEITED DISCOUNTS Q. What are "forfeited discounts"? A. Forfeited discounts are also known as "late payment fees" and are fees that EMW charges their customers for making late payments on customer bills whenever they become due. The charges are assessed on the remainder of the unpaid bill. Q. How are "forfeited discounts" or late payment fees booked by EMW? A. Late payment fees are considered additional revenue and, as such, are booked as revenue by EMW. Q. Did EMW propose to "factor-up" late payment fees consistent with its requested bad debt "factor-up" for revenue requirements increase? A. Yes. EMW's Adjustment R-21b adds additional late payment revenue based on the requested rate increase. Q. Has Staff performed any analysis that would support a relationship between changes in revenues and late payment fees? A. Yes. Attached to this rebuttal testimony as Schedules AN-r6 and AN-r7 are

historical monthly analyses of Evergy Missouri West's late payment fees and retail revenue

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- levels. Contrary to Staff's bad debt analysis, a weak relationship between late payment fees and changes in revenues actually does exist.
 - Q. If the Commission includes a bad debt factor-up, would it be consistent to also "factor-up" forfeited discounts or late payment fees?
 - A. Yes. Staff recommends that if the Commission approves EMW's request to adjust bad debt expense proportionate to any increase in revenue requirement, then it should also "factor-up" late payment fees for the same reason. If the Commission concludes that EMW will experience a proportionately different level of bad debts as a result of a rate change then it would follow that EMW will experience a different level of late payment revenue as well.
 - Q. Does this conclude your rebuttal testimony?
 - A. Yes it does.

BEFORE THE PUBLIC SERVICE COMMISSION

OF THE STATE OF MISSOURI

In the Matter of Evergy Missouri West, Inc. d/b/a Evergy Missouri West's Request for Authority to Implement A General Rate Increase for Electric Service)	No. ER-2024-0189
AFFIDAVIT OF ANTONIJA NIE	го
STATE OF MISSOURI)	
COUNTY OF Jackson) ss.	*
COMES NOW ANTONIJA NIETO and on her oath decl	ares that she is of sound mind
and lawful age; that she contributed to the foregoing Rebuttal Te	estimony of Antonija Nieto; and
that the same is true and correct according to her best knowledge	and belief.
Further the Affiant sayeth not. ANTONIJA NIETO	10
JURAT	
Subscribed and sworn before me, a duly constituted and author	orized Notary Public, in and for
the County of Jackson, State of Missouri, at my offi-	ce in Kansas City, on
this 31st day of July 2024.	,·
Notary Public	Generate

Case No. ER-2024-0189

SCHEDULE AN-r1 through SCHEDULE AN-r5

HAVE BEEN DEEMED

CONFIDENTIAL

IN THEIR ENTIRETY

	GMO	GMO			
Revenue	Forfeited	Total	Change in	Change in	No. of
<u>Month</u>	<u>Discounts</u>	Retail Revenue	Forfeited Discounts	Revenues	Occurrences**
Jan-09	75,075	52,083,264			
Feb-09	51,512	38,439,662	-31.39%	-26.20%	
Mar-09	48,133	42,192,593	-6.56%	9.76%	1
Apr-09	45,810	35,741,407	-4.83%	-15.29%	
May-09	46,311	45,362,518	1.09%	26.92%	
Jun-09	43,349	67,433,384	-6.40%	48.65%	2
Jul-09	58,196	66,969,358	34.25%	-0.69%	3
Aug-09	72,324	65,760,553	24.28%	-1.81%	4
Sep-09	68,865	51,616,138	-4.78%	-21.51%	
Oct-09	63,797	46,852,886	-7.36%	-9.23%	
Nov-09	50,329	44,057,310	-21.11%	-5.97%	
Dec-09	56,357	56,646,407	11.98%	28.57%	
Jan-10	57,743	61,924,894	2.46%	9.32%	
Feb-10	66,510	49,336,973	15.18%	-20.33%	5
Mar-10	58,013	47,029,674	-12.78%	-4.68%	
Apr-10	50,763	38,188,325	-12.50%	-18.80%	
May-10	46,847	53,953,367	-7.71%	41.28%	6
Jun-10	48,350	78,063,724	3.21%	44.69%	
Jul-10	72,737	88,460,567	50.44%	13.32%	
Aug-10	88,550	88,138,127	21.74%	-0.36%	7
Sep-10	85,021	54,548,639	-3.99%	-38.11%	
Oct-10	71,244	38,838,251	-16.20%	-28.80%	
Nov-10	51,494	42,905,418	-27.72%	10.47%	8
Dec-10	55,581	54,258,603	7.94%	26.46%	
Jan-11	64,835	54,412,795	16.65%	0.28%	
Feb-11	60,828	50,470,312	-6.18%	-7.25%	
Mar-11	57,747	47,818,166	-5.07%	-5.25%	
Apr-11	49,929	41,653,638	-13.54%	-12.89%	
May-11	47,976	53,270,344	-3.91%	27.89%	9
Jun-11	48,249	77,826,511	0.57%	46.10%	
Jul-11	60,713	105,927,972	25.83%	36.11%	
Aug-11	99,923	94,095,591	64.58%	-11.17%	10
Sep-11	92,584	54,885,615	-7.34%	-41.67%	
Oct-11	77,568	43,893,921	-16.22%	-20.03%	
Nov-11	52,879	45,774,621	-31.83%	4.28%	11
Dec-11	59,798	51,633,206	13.08%	12.80%	
Jan-12	66,059	51,184,192	10.47%	-0.87%	12
Feb-12	62,328	47,725,046	-5.65%	-6.76%	
Mar-12	55,971	45,688,311	-10.20%	-4.27%	
Apr-12	53,058	43,144,866	-5.20%	-5.57%	
May-12	49,458	60,509,211	-6.78%	40.25%	13
Jun-12	49,029	82,524,503	-0.87%	36.38%	14
Jul-12	68,577	104,331,818	39.87%	26.43%	
Aug-12	102,524	86,693,029	49.50%	-16.91%	15

	GMO	GMO			
Revenue	Forfeited	Total	Change in	Change in	No. of
<u>Month</u>	<u>Discounts</u>	Retail Revenue	Forfeited Discounts	<u>Revenues</u>	Occurrences**
Sep-12	80,348	57,653,431	-21.63%	-33.50%	
Oct-12	77,287	46,133,202	-3.81%	-19.98%	
Nov-12	61,573	46,642,912	-20.33%	1.10%	16
Dec-12	43,797	54,163,229	-28.87%	16.12%	17
Jan-13	61,547	55,754,487	40.53%	2.94%	
Feb-13	68,768	54,304,690	11.73%	-2.60%	18
Mar-13	61,010	58,987,632	-11.28%	8.62%	19
Apr-13	67,848	47,524,484	11.21%	-19.43%	20
May-13	59,911	63,200,791	-11.70%	32.99%	21
Jun-13	50,788	74,835,936	-15.23%	18.41%	22
Jul-13	71,022	88,053,464	39.84%	17.66%	
Aug-13	86,428	87,720,626	21.69%	-0.38%	23
Sep-13	81,088	67,091,806	-6.18%	-23.52%	
Oct-13	87,934	49,500,249	8.44%	-26.22%	24
Nov-13	50,311	51,784,834	-42.79%	4.62%	25
Dec-13	74,135	62,766,735	47.35%	21.21%	
Jan-14	76,759	67,301,409	3.54%	7.22%	
Feb-14	75,498	67,561,330	-1.64%	0.39%	26
Mar-14	67,857	57,592,856	-10.12%	-14.75%	
Apr-14	54,740	50,055,963	-19.33%	-13.09%	
May-14	52,765	68,204,969	-3.61%	36.26%	27
Jun-14	52,803	80,023,816	0.07%	17.33%	
Jul-14	76,730	83,660,226	45.31%	4.54%	
Aug-14	74,588	90,784,826	-2.79%	8.52%	28
Sep-14	78,807	64,579,689	5.66%	-28.87%	29
Oct-14	88,891	52,684,788	12.80%	-18.42%	30
Nov-14	46,764	60,960,112	-47.39%	15.71%	31
Dec-14	73,336	59,434,833	56.82%	-2.50%	32
Jan-15	82,339	60,810,760	12.28%	2.32%	
Feb-15	70,146	57,366,195	-14.81%	-5.66%	
Mar-15	65,685	48,822,232	-6.36%	-14.89%	
Apr-15	59,008	45,287,093	-10.16%	-7.24%	
May-15	50,008	59,329,699	-15.25%	31.01%	33
Jun-15	47,617	77,567,315	-4.78%	30.74%	34
Jul-15	68,901	91,931,971	44.70%	18.52%	
Aug-15	90,914	87,002,967	31.95%	-5.36%	
Sep-15	80,798	63,652,645	-11.13%	-26.84%	
Oct-15	76,816	47,504,607	-4.93%	-25.37%	
Nov-15	51,243	53,104,890	-33.29%	11.79%	35
Dec-15	58,731	52,623,109	14.61%	-0.91%	36
Jan-16	60,440	58,271,331	2.91%	10.73%	
Feb-16	66,438	52,389,970	9.92%	-10.09%	37
Mar-16	57,875	49,809,124	-12.89%	-4.93%	
Apr-16	43,308	44,418,732	-25.17%	-10.82%	

Revenue Forfeited Total Change in Occurrences** Change in Occurrences** No. of Occurrences** May-16 47,499 53,841,843 9.54% 21.21% 3.8 Jul-16 45,990 86,496,102 -3.08% 60.65% 38 Aug-16 91,040 92,834,154 37.35% 3.29% Sep-16 85,026 64,975,479 -6.61% -30.01% Nov-16 47,940 49,109,811 -35.56% -1.58% Dec-16 51,717 63,792,556 7.88% 29.90% Jan-17 59,880 58,305,993 15,78% -8.60% 39 Feb-17 67,051 52,201,971 11,198% -10,47% 40 Mar-17 47,648 49,748,704 -17,43% -9.27% 40 Mar-17 47,648 49,748,704 -17,43% -9.27% 40 Mar-17 47,648 49,748,704 -17,43% -9.27% 41 Mar-17 47,648 97,270,254 36,61%		GMO	GMO			
May-16 47,439 53,841,843 9.54% 21,21% Jun-16 45,980 86,496,102 -3.08% 60,65% 38 Jul-16 66,285 89,880,292 44,16% -3.01% 84 Aug-16 91,040 92,834,154 37.35% 3.29% 58 Sep-16 85,026 64,975,479 -6.61% -30.01% 60 Oct-16 74,398 49,898,013 -12.50% -23.20% 50 Nov-16 47,940 49,109,811 -35.56% -1.58% 29,90% Jan-17 59,880 58,305,993 15.78% -8.60% 39 Feb-17 67,051 52,201,971 11.98% -10.47% 40 Mar-17 47,648 49,748,704 -17.43% -9.27% 41 Apr-17 47,649 60,397,202 -0.42% 21.40% 42 Jul-17 67,168 97,270,254 36.61% 22.92% Aug-17 85,990 83,938,416 28.02% <td< td=""><td>Revenue</td><td>Forfeited</td><td>Total</td><td>Change in</td><td>Change in</td><td>No. of</td></td<>	Revenue	Forfeited	Total	Change in	Change in	No. of
Jun-16 45,980 86,496,102 -3.08% 60.65% 38 Jul-16 66,285 89,880,292 44,16% 3.91% 44,16% 3.91% 44,16% 3.91% 44,16% 3.91% 44,16% 3.91% 44,16% 3.91% 48,24% 48,24% 44,16% 3.91% 48,24% 49,24% 41,44% 40,397,202 -0.42% 21,40% 42,24% 21,40% 42,24% 33,34% 48,26% 48,26% 48,26% 48,26%	<u>Month</u>	<u>Discounts</u>	Retail Revenue	Forfeited Discounts	Revenues	Occurrences**
Jul-16	May-16	47,439	53,841,843	9.54%	21.21%	
Aug-16 91,040 92,834,154 37.35% 3.29% Sep-16 85,026 64,975,479 -6.61% -30.01% Oct-16 74,398 49,898,013 -12.50% -23.20% Nov-16 47,940 49,109,811 -35.56% -1.58% Dec-16 51,717 63,792,556 7.88% 29.90% Jan-17 59,880 58,305,993 15.78% -8.60% 39 Feb-17 67,051 52,201,971 11.98% -10.47% 40 Mar-17 57,708 54,832,924 -13.93% 5.04% 41 Apr-17 47,648 49,748,704 -17.43% -9.27% May-17 47,449 60,397,202 -0.42% 21.40% 42 Jun-17 49,166 79,130,491 3.62% 31.02% 31.02% Aug-17 85,990 83,338,416 28.02% -13.71% 43 Sep-17 77,35 67,982,20 -10.07% 19.01% Oct-17 74,257	Jun-16	45,980	86,496,102	-3.08%	60.65%	38
Sep-16 85,026 64,975,479 -6.61% -30.01% Oct-16 74,338 49,898,013 -12.50% -23.20% Nov-16 47,940 49,109,811 -35.56% -15.88% Dec-16 51,717 63,792,556 7.88% 29.90% Jan-17 59,880 58,305,993 15,78% -8.60% 39 Feb-17 67,051 52,201,971 11.98% -10.47% 40 Mar-17 57,708 54,832,924 -13.93% 5.04% 41 Apr-17 47,648 49,748,704 -17.43% -9.27% 44 May-17 47,648 60,397,202 -0.42% 21,40% 42 Jun-17 67,168 97,270,254 36.61% 22.92% Aug-17 85,990 83,938,416 28.02% -13.71% 43 Sep-17 77,335 67,982,220 -10.07% -19.01% Oct-17 74,257 53,275,675 -3.98% -21.66% Nov-17 53,375 <td>Jul-16</td> <td>66,285</td> <td>89,880,292</td> <td>44.16%</td> <td>3.91%</td> <td></td>	Jul-16	66,285	89,880,292	44.16%	3.91%	
Oci-16 74,398 49,898,013 -12.50% -23.20% Nov-16 47,940 49,109,811 -35.56% -1.58% Dec-16 51,717 63,792,556 7.88% 29.90% Jan-17 59,880 58,305,993 15.78% -8.60% 39 Feb-17 67,051 52,201,971 11.98% -10.47% 40 Mar-17 57,708 54,832,924 -13.93% 5.04% 41 Apr-17 47,648 49,748,704 -17,43% -9.27% May-17 47,648 49,748,704 -17,43% -9.27% May-17 49,166 79,130,491 3.62% 31.02% Jul-17 67,168 97,270,254 36.61% 22.92% Aug-17 85,990 83,938,416 28.029 -13.71% 43 Sep-17 77,335 67,982,220 -10.07% -19.01% Oct-17 74,257 53,276,75 -3.98% -21.66% Nov-17 53,3275 63,053,799	Aug-16	91,040	92,834,154	37.35%	3.29%	
Nov-16 47,940 49,109,811 -35.56% -1.58% Dec-16 51,717 63,792,556 7.88% 29,90% Jan-17 59,880 58,305,993 15.78% -8.60% 39 Feb-17 67,051 52,201,971 11,98% -10.47% 40 Mar-17 57,708 54,832,924 -13.93% 5.04% 41 Apr-17 47,648 49,748,704 -17.43% -9.27% May-17 47,449 60,397,202 -0.42% 21.40% 42 Jun-17 49,166 79,130,491 3.62% 31.02% Jul-17 67,168 97,270,254 36.61% 22.92% Aug-17 85,990 83,938,416 28.02% -13.71% 43 3 5ep-17 77,335 67,982,220 -10.07% -19.01% 0 6t-17 74,257 53,257,675 3.98% -21.66% 0 0.08% 0 2 0 0 0 48 4 4 4 4 4 4	Sep-16	85,026	64,975,479	-6.61%	-30.01%	
Dec-16 51,717 63,792,556 7.88% 29.90% Jan-17 59,880 58,305,993 15,78% -8.60% 39 Feb-17 67,051 52,201,971 11,98% -10.47% 40 Mar-17 57,708 54,832,924 -13,93% 5.04% 41 Apr-17 47,648 49,748,704 -17.43% -9.27% May-17 47,648 49,748,704 -17.43% -9.27% May-17 49,166 79,130,491 3.62% 31.02% Jul-17 67,168 97,270,254 36.61% 22.92% Aug-17 85,990 83,938,416 28.02% -13.71% 43 Sep-17 77,335 67,982,220 -10.07% -19.01% -00ct-17 74,257 53,257,675 -3.98% -21.66% -0.08% -0.08% -0.08% -0.08% -0.08% -0.08% -0.08% -0.08% -0.08% -0.08% -0.08% -0.08% -0.08% -0.08% -0.08% -0.06% -0.08%			49,898,013	-12.50%	-23.20%	
Jan-17 59,880 58,305,993 15,78% -8,60% 39 Feb-17 67,051 52,201,971 11,98% -10,47% 40 Mar-17 57,708 54,832,924 -13,93% 5.04% 41 Apr-17 47,648 49,748,704 -17,43% -9,27% 44 Apr-17 47,449 60,397,202 -0.42% 21,40% 42 Jul-17 67,168 97,270,254 36,61% 22,92% Aug-17 85,990 83,938,416 28,02% -13,71% 43 Sep-17 77,335 67,982,220 -10,07% -19,01% -19,01% Oct-17 74,257 53,257,675 -3.98% -21,66% -21,66% Nov-17 53,275 53,216,909 -28,26% -0.08% -0.08% Dec-17 57,359 63,053,799 7.67% 18,48% -13,444 -13,53% 44 Feb-18 75,227 60,024,906 29,98% -3.33% 45 Mar-18	Nov-16				-1.58%	
Feb-17 67,051 52,201,971 11.98% -10.47% 40 Mar-17 57,708 54,832,924 -13.93% 5.04% 41 Apr-17 47,648 49,748,704 -17.43% -9.27% 41 May-17 47,449 60,397,202 -0.42% 21.40% 42 Jun-17 49,166 79,130,491 3.62% 31.02% Jul-17 67,168 97,270,254 36.61% 22.92% Aug-17 85,990 83,938,416 28.02% -13.71% 43 Sep-17 77,335 67,982,220 -10.07% -19.01% Oct-17 74,257 53,257,675 -3.98% -21.66% Nov-17 53,275 53,216,999 -28.26% -0.08% Dec-17 57,359 63,053,799 7.67% 18.48% Jan-18 57,876 62,092,082 0.99% -13.33% 45 Feb-18 75,227 60,024,906 29.98% -3.33% 45 Mar-18						
Mar-17 57,708 54,832,924 -13,93% 5,04% 41 Apr-17 47,648 49,748,704 -17,43% -9,27% -9,27% May-17 47,449 60,397,202 -0.42% 21,40% 42 Jun-17 49,166 79,130,491 3.62% 31,02% Jul-17 67,168 97,270,254 36.61% 22.92% Aug-17 85,990 83,938,416 28.02% -13,71% 43 Sep-17 77,335 67,982,220 -10.07% -19.01% -19.01% Oct-17 74,257 53,257,675 -3.98% -21.66% Now-17 Nov-17 53,275 53,257,675 -3.98% -21.66% Now-18 Dec-17 57,359 63,053,799 7.67% 18.48% 44 Feb-18 75,227 60,024,906 29.98% -3.33% 45 Mar-18 62,353 51,858,589 -17.11% -13.60% 46 Jul-18 10,650 71,923,643 -80.27%<		•	· · · ·			
Apr-17 47,648 49,748,704 -17.43% -9.27% May-17 47,449 60,397,202 -0.42% 21.40% 42 Jun-17 49,166 79,130,491 3.62% 31.02% Jul-17 67,168 97,270,254 36.61% 22.92% Aug-17 85,990 83,938,416 28.02% -13.71% 43 Sep-17 77,335 67,982,220 -10.07% -19.01% 43 Sep-17 74,257 53,257,675 -3.98% -21.66% Nov-17 Oct-17 57,359 63,053,799 7.67% 18.48% Jan-18 57,876 62,092,082 0.90% -1.53% 44 Feb-18 75,227 60,024,906 29.98% -3.33% 45 Mar-18 62,353 51,858,589 -17.11% -13.60% Apr-18 53,971 49,499,489 -13.44% -4.55% May-18 10,650 77,923,643 -80.27% 45.30% 46 Jun-18 813,232 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
May-17 47,449 60,397,202 -0.42% 21.40% 42 Jun-17 49,166 79,130,491 3.62% 31.02% Jul-17 67,168 97,270,254 36.61% 22.92% Aug-17 85,990 83,938,416 28.02% -13.71% 43 Sep-17 77,335 67,982,220 -10.07% -19.01% -19.01% Oct-17 74,257 53,257,675 -3.98% -21.66% -21.66% Nov-17 53,275 53,216,909 -28.26% -0.08% -0.08% Dec-17 57,359 63,053,799 7.67% 18.48% -13.41% -15.3% 44 Feb-18 75,227 60,024,906 29.98% -3.33% 45 Mar-18 62,353 51,858,589 -17.11% -13.60% 45 Apr-18 53,971 49,499,489 -13.44% -4.55% 46 May-18 10,650 71,923,643 -80.27% 45.30% 46 Jul-18 81,323			54,832,924	-13.93%	5.04%	41
Jun-17 49,166 79,130,491 3.62% 31.02% Jul-17 67,168 97,270,254 36.61% 22.92% Aug-17 85,990 83,938,416 28.02% -13.71% 43 Sep-17 77,335 67,982,220 -10.07% -19.01% OCt-17 74,257 53,257,675 -3.98% -21.66% Nov-17 53,275 53,216,909 -28.26% -0.08% -0.08% Dec-17 57,359 63,053,799 7.67% 18.48% Jan-18 57,876 62,092,082 0.90% -1.53% 44 Feb-18 75,227 60,024,906 29,98% -3.33% 45 Mar-18 62,353 51,858,589 -17.11% -13.60% Apr-18 62,353 51,858,589 -17.11% -13.60% Apr-18 53,971 49,499,489 -13.44% -4.55% 46 Jun-18 10,650 71,923,643 -80.27% 45.30% 46 Jun-18 10,650 71,923,643 -80.27% 45.30% 46 Jun-18 10,650 71,923,643 -	•	·	· · · ·			
Jul-17 67,168 97,270,254 36.61% 22.92% Aug-17 85,990 83,938,416 28.02% -13.71% 43 Sep-17 77,335 67,982,220 -10.07% -19.01% -19.01% Oct-17 74,257 53,257,675 -3.98% -21.66% Nov-17 Nov-17 53,275 53,216,909 -28.26% -0.08% -0.08% Dec-17 57,359 63,053,799 7.67% 18.48% -13.33% 45 Jan-18 57,876 62,092,082 0.90% -1.53% 44 +6-18 75,227 60,024,906 29,98% -3.33% 45 -45 -45 -45 -45 -45 -45 -45 -45 -45 -45 -45 -45 -45 -45 -45 -45 -45 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -48 -4	May-17	47,449	60,397,202	-0.42%	21.40%	42
Aug-17 85,990 83,938,416 28.02% -13.71% 43 Sep-17 77,335 67,982,220 -10.07% -19.01% Oct-17 74,257 53,257,675 -3.98% -21.66% Nov-17 53,275 53,216,909 -28.26% -0.08% Dec-17 57,359 63,053,799 7.67% 18.48% Jan-18 57,876 62,092,082 0.90% -1.53% 44 Feb-18 75,227 60,024,906 29.98% -3.33% 45 Mar-18 62,353 51,858,589 -17.11% -13.60% Apr-18 53,971 49,499,489 -13.44% -4.55% May-18 10,650 71,923,643 -80.27% 45.30% 46 Jul-18 81,323 70,345,731 663.56% -2.19% 47 Jul-18 108,994 94,027,570 34.03% 33.66% 48 Sep-18 100,694 56,838,022 -30.75% -36.47% -36.47% Oct-18<	Jun-17		79,130,491	3.62%	31.02%	
Sep-17 77,335 67,982,220 -10.07% -19.01% Oct-17 74,257 53,257,675 -3.98% -21.66% Nov-17 53,275 53,216,909 -28.26% -0.08% Dec-17 57,359 63,053,799 7.67% 18.48% Jan-18 57,876 62,092,082 0.90% -1.53% 44 Feb-18 75,227 60,024,906 29.98% -3.33% 45 Mar-18 62,353 51,858,589 -17.11% -13.60% Apr-18 53,971 49,499,489 -13.44% -4.55% May-18 10,650 71,923,643 -80.27% 45.30% 46 Jun-18 81,323 70,345,731 663.56% -2.19% 47 Jul-18 108,994 94,027,570 34.03% 33.66% 48 Sep-18 100,694 56,838,022 -30.75% -36.47% 0.07% Oct-18 117,450 56,875,468 16.64% 0.07% 0.16% Dec-18<	Jul-17	67,168	97,270,254	36.61%	22.92%	
Oct-17 74,257 53,257,675 -3.98% -21.66% Nov-17 53,275 53,216,909 -28.26% -0.08% Dec-17 57,359 63,053,799 7.67% 18.48% Jan-18 57,876 62,092,082 0.90% -1.53% 44 Feb-18 75,227 60,024,906 29.98% -3.33% 45 Mar-18 62,353 51,858,589 -17.11% -13.60% Apr-18 53,971 49,499,489 -13.44% -4.55% May-18 10,650 71,923,643 -80.27% 45.30% 46 Jun-18 81,323 70,345,731 663.56% -2.19% 47 Jul-18 108,994 94,027,570 34.03% 33.66% 48 Sep-18 100,694 56,838,022 -30.75% -36.47% 0ct-18 117,450 56,875,468 16.64% 0.07% 0-16% 0ct-18 10,2919 56,785,665 -12.37% -0.16% 0-16% 0ct-18 91,072 58,182,724	Aug-17	85,990	83,938,416	28.02%	-13.71%	43
Nov-17 53,275 53,216,909 -28.26% -0.08% Dec-17 57,359 63,053,799 7.67% 18.48% Jan-18 57,876 62,092,082 0.90% -1.53% 44 Feb-18 75,227 60,024,906 29.98% -3.33% 45 Mar-18 62,353 51,858,589 -17.11% -13.60% Apr-18 53,971 49,499,489 -13.44% -4.55% May-18 10,650 71,923,643 -80.27% 45.30% 46 Jun-18 81,323 70,345,731 663.56% -2.19% 47 Jul-18 10,650 71,923,643 -80.27% 45.30% 46 Jun-18 81,323 70,345,731 663.56% -2.19% 47 Jul-18 108,994 94,027,570 34.03% 33.66% 48 Sep-18 100,694 56,838,022 -30.75% -36.47% 0ct-18 117,450 56,875,468 16.64% 0.07% 16% 0ct-19 94,083<	Sep-17	77,335	67,982,220	-10.07%	-19.01%	
Dec-17 57,359 63,053,799 7.67% 18.48% Jan-18 57,876 62,092,082 0.90% -1.53% 44 Feb-18 75,227 60,024,906 29.98% -3.33% 45 Mar-18 62,353 51,858,589 -17.11% -13.60% Apr-18 53,971 49,499,489 -13.44% -4.55% May-18 10,650 71,923,643 -80.27% 45.30% 46 Jun-18 81,323 70,345,731 663.56% -2.19% 47 Jul-18 108,994 94,027,570 34.03% 33.66% -2.19% 47 Jul-18 106,994 94,027,570 34.03% 33.66% 48 Sep-18 100,694 56,838,022 -30.75% -36.47% 48 Oct-18 117,450 56,875,468 16.64% 0.07% 0.07% Nov-18 102,919 56,785,665 -12.37% -0.16% -0.16% Dec-18 91,072 58,182,724 -11.51% <td>Oct-17</td> <td>74,257</td> <td>53,257,675</td> <td>-3.98%</td> <td>-21.66%</td> <td></td>	Oct-17	74,257	53,257,675	-3.98%	-21.66%	
Jan-18 57,876 62,092,082 0.90% -1.53% 44 Feb-18 75,227 60,024,906 29.98% -3.33% 45 Mar-18 62,353 51,858,589 -17.11% -13.60% Apr-18 53,971 49,499,489 -13.44% -4.55% May-18 10,650 71,923,643 -80.27% 45.30% 46 Jun-18 81,323 70,345,731 663.56% -2.19% 47 Jul-18 108,994 94,027,570 34.03% 33.66% 48 Aug-18 145,410 89,463,695 33.41% -4.85% 48 Sep-18 100,694 56,838,022 -30.75% -36.47% 48 Oct-18 117,450 56,875,468 16.64% 0.07% 60.07% 60.16% 49 Jan-19 94,083 69,062,068 3.31% 18.70% 49 Jan-19 94,083 69,062,068 3.31% 18.70% 50 Feb-19 69,757 53,9	Nov-17	53,275	53,216,909	-28.26%	-0.08%	
Feb-18 75,227 60,024,906 29.98% -3.33% 45 Mar-18 62,353 51,858,589 -17.11% -13.60% Apr-18 53,971 49,499,489 -13.44% -4.55% May-18 10,650 71,923,643 -80.27% 45.30% 46 Jun-18 81,323 70,345,731 663.56% -2.19% 47 Jul-18 108,994 94,027,570 34.03% 33.66% 48 Aug-18 145,410 89,463,695 33.41% -4.85% 48 Sep-18 100,694 56,838,022 -30.75% -36.47% -36.47% -36.47% 0ct-18 117,450 56,875,468 16.64% 0.07% 16% 0ct-18 102,919 56,785,665 -12.37% -0.16% 0ct-18 91,072 58,182,724 -11.51% 2.46% 49 49 49 49 49 49 49 49 49 49 40 49 49 49 49 40 49 40<	Dec-17	57,359	63,053,799	7.67%	18.48%	
Mar-18 62,353 51,858,589 -17.11% -13.60% Apr-18 53,971 49,499,489 -13.44% -4.55% May-18 10,650 71,923,643 -80.27% 45.30% 46 Jun-18 81,323 70,345,731 663.56% -2.19% 47 Jul-18 108,994 94,027,570 34.03% 33.66% 48 Aug-18 145,410 89,463,695 33.41% -4.85% 48 Sep-18 100,694 56,838,022 -30.75% -36.47% 60ct-18 117,450 56,875,468 16.64% 0.07% 60ct-18 102,919 56,785,665 -12.37% -0.16% 60ct-18 102,919 56,785,665 -12.37% -0.16% 49 60ct-18 19,072 58,182,724 -11.51% 2.46% 49 49 60ct-18 91,072 58,182,724 -11.51% 2.46% 49 60ct-19 49,4083 69,062,068 3.31% 18.70% 8.59% 50 60ct-19 48,986,089 19.89% <	Jan-18	57,876	62,092,082	0.90%	-1.53%	44
Apr-18 53,971 49,499,489 -13.44% -4.55% May-18 10,650 71,923,643 -80.27% 45.30% 46 Jun-18 81,323 70,345,731 663.56% -2.19% 47 Jul-18 108,994 94,027,570 34.03% 33.66% 48 Aug-18 145,410 89,463,695 33.41% -4.85% 48 Sep-18 100,694 56,838,022 -30.75% -36.47% 60 60 60 60 60 48 60	Feb-18	75,227	60,024,906	29.98%	-3.33%	45
May-18 10,650 71,923,643 -80.27% 45.30% 46 Jun-18 81,323 70,345,731 663.56% -2.19% 47 Jul-18 108,994 94,027,570 34.03% 33.66% Aug-18 145,410 89,463,695 33.41% -4.85% 48 Sep-18 100,694 56,838,022 -30.75% -36.47% 0.07% Oct-18 117,450 56,875,468 16.64% 0.07% 0.07% Nov-18 102,919 56,785,665 -12.37% -0.16% 49 Jan-19 94,083 69,062,068 3.31% 18.70% 49 Jan-19 69,757 53,962,591 -25.86% -21.86% -21.86% Mar-19 67,631 58,	Mar-18	62,353	51,858,589	-17.11%	-13.60%	
Jun-18 81,323 70,345,731 663.56% -2.19% 47 Jul-18 108,994 94,027,570 34.03% 33.66% Aug-18 145,410 89,463,695 33.41% -4.85% 48 Sep-18 100,694 56,838,022 -30.75% -36.47% 0 Oct-18 117,450 56,875,468 16.64% 0.07% 0.07% Nov-18 102,919 56,785,665 -12.37% -0.16% 0.07% Dec-18 91,072 58,182,724 -11.51% 2.46% 49 Jan-19 94,083 69,062,068 3.31% 18.70% 49 Jan-19 94,083 69,062,068 3.31% 18.70% 49 Jan-19 69,757 53,962,591 -25.86% -21.86% -21.86% Mar-19 67,631 58,600,598 -3.05% 8.59% 50 Apr-19 81,085 48,986,089 19.89% -16.41% 51 May-19 69,905 60,042,740	Apr-18	53,971	49,499,489	-13.44%	-4.55%	
Jul-18 108,994 94,027,570 34.03% 33.66% Aug-18 145,410 89,463,695 33.41% -4.85% 48 Sep-18 100,694 56,838,022 -30.75% -36.47% -36.47% Oct-18 117,450 56,875,468 16.64% 0.07% -0.16% Nov-18 102,919 56,785,665 -12.37% -0.16% -0.16% Dec-18 91,072 58,182,724 -11.51% 2.46% 49 Jan-19 94,083 69,062,068 3.31% 18.70% -18.70% Feb-19 69,757 53,962,591 -25.86% -21.86% -21.86% Mar-19 67,631 58,600,598 -3.05% 8.59% 50 Apr-19 81,085 48,986,089 19.89% -16.41% 51 May-19 69,905 60,042,740 -13.79% 22.57% 52 Jun-19 80,287 90,335,644 36.22% 20.87% Aug-19 86,774 87,540,704 <td< td=""><td>May-18</td><td>10,650</td><td>71,923,643</td><td>-80.27%</td><td>45.30%</td><td>46</td></td<>	May-18	10,650	71,923,643	-80.27%	45.30%	46
Aug-18 145,410 89,463,695 33.41% -4.85% 48 Sep-18 100,694 56,838,022 -30.75% -36.47% Oct-18 117,450 56,875,468 16.64% 0.07% Nov-18 102,919 56,785,665 -12.37% -0.16% Dec-18 91,072 58,182,724 -11.51% 2.46% 49 Jan-19 94,083 69,062,068 3.31% 18.70% 8.70% 18.70% </td <td>Jun-18</td> <td>81,323</td> <td>70,345,731</td> <td>663.56%</td> <td>-2.19%</td> <td>47</td>	Jun-18	81,323	70,345,731	663.56%	-2.19%	47
Sep-18 100,694 56,838,022 -30.75% -36.47% Oct-18 117,450 56,875,468 16.64% 0.07% Nov-18 102,919 56,785,665 -12.37% -0.16% Dec-18 91,072 58,182,724 -11.51% 2.46% 49 Jan-19 94,083 69,062,068 3.31% 18.70% Feb-19 69,757 53,962,591 -25.86% -21.86% Mar-19 67,631 58,600,598 -3.05% 8.59% 50 Apr-19 81,085 48,986,089 19.89% -16.41% 51 May-19 69,905 60,042,740 -13.79% 22.57% 52 Jun-19 58,939 74,737,634 -15.69% 24.47% 53 Jul-19 80,287 90,335,644 36.22% 20.87% Aug-19 86,774 87,540,704 8.08% -3.09% 54 Sep-19 102,927 74,395,347 18.62% -15.02% 55 Oct-19	Jul-18	108,994	94,027,570	34.03%	33.66%	
Oct-18 117,450 56,875,468 16.64% 0.07% Nov-18 102,919 56,785,665 -12.37% -0.16% Dec-18 91,072 58,182,724 -11.51% 2.46% 49 Jan-19 94,083 69,062,068 3.31% 18.70% Feb-19 69,757 53,962,591 -25.86% -21.86% -21.86% Mar-19 67,631 58,600,598 -3.05% 8.59% 50 50 Apr-19 81,085 48,986,089 19.89% -16.41% 51 51 51 51 52 52 52 52 52 52 52 52 53 54	Aug-18	145,410	89,463,695	33.41%	-4.85%	48
Nov-18 102,919 56,785,665 -12.37% -0.16% Dec-18 91,072 58,182,724 -11.51% 2.46% 49 Jan-19 94,083 69,062,068 3.31% 18.70% Feb-19 69,757 53,962,591 -25.86% -21.86% Mar-19 67,631 58,600,598 -3.05% 8.59% 50 Apr-19 81,085 48,986,089 19.89% -16.41% 51 May-19 69,905 60,042,740 -13.79% 22.57% 52 Jun-19 58,939 74,737,634 -15.69% 24.47% 53 Jul-19 80,287 90,335,644 36.22% 20.87% Aug-19 86,774 87,540,704 8.08% -3.09% 54 Sep-19 102,927 74,395,347 18.62% -15.02% 55 Oct-19 99,917 54,684,974 -2.92% -26.49% Nov-19 60,380 55,050,894 -39.57% 0.67% 56	Sep-18	100,694	56,838,022	-30.75%	-36.47%	
Dec-18 91,072 58,182,724 -11.51% 2.46% 49 Jan-19 94,083 69,062,068 3.31% 18.70% Feb-19 69,757 53,962,591 -25.86% -21.86% Mar-19 67,631 58,600,598 -3.05% 8.59% 50 Apr-19 81,085 48,986,089 19.89% -16.41% 51 May-19 69,905 60,042,740 -13.79% 22.57% 52 Jun-19 58,939 74,737,634 -15.69% 24.47% 53 Jul-19 80,287 90,335,644 36.22% 20.87% Aug-19 86,774 87,540,704 8.08% -3.09% 54 Sep-19 102,927 74,395,347 18.62% -15.02% 55 Oct-19 99,917 54,684,974 -2.92% -26.49% Nov-19 60,380 55,050,894 -39.57% 0.67% 56	Oct-18	117,450	56,875,468	16.64%	0.07%	
Jan-19 94,083 69,062,068 3.31% 18.70% Feb-19 69,757 53,962,591 -25.86% -21.86% Mar-19 67,631 58,600,598 -3.05% 8.59% 50 Apr-19 81,085 48,986,089 19.89% -16.41% 51 May-19 69,905 60,042,740 -13.79% 22.57% 52 Jun-19 58,939 74,737,634 -15.69% 24.47% 53 Jul-19 80,287 90,335,644 36.22% 20.87% Aug-19 86,774 87,540,704 8.08% -3.09% 54 Sep-19 102,927 74,395,347 18.62% -15.02% 55 Oct-19 99,917 54,684,974 -2.92% -26.49% Nov-19 60,380 55,050,894 -39.57% 0.67% 56	Nov-18	102,919	56,785,665	-12.37%	-0.16%	
Feb-19 69,757 53,962,591 -25.86% -21.86% Mar-19 67,631 58,600,598 -3.05% 8.59% 50 Apr-19 81,085 48,986,089 19.89% -16.41% 51 May-19 69,905 60,042,740 -13.79% 22.57% 52 Jun-19 58,939 74,737,634 -15.69% 24.47% 53 Jul-19 80,287 90,335,644 36.22% 20.87% Aug-19 86,774 87,540,704 8.08% -3.09% 54 Sep-19 102,927 74,395,347 18.62% -15.02% 55 Oct-19 99,917 54,684,974 -2.92% -26.49% Nov-19 60,380 55,050,894 -39.57% 0.67% 56	Dec-18	91,072	58,182,724	-11.51%	2.46%	49
Mar-19 67,631 58,600,598 -3.05% 8.59% 50 Apr-19 81,085 48,986,089 19.89% -16.41% 51 May-19 69,905 60,042,740 -13.79% 22.57% 52 Jun-19 58,939 74,737,634 -15.69% 24.47% 53 Jul-19 80,287 90,335,644 36.22% 20.87% Aug-19 86,774 87,540,704 8.08% -3.09% 54 Sep-19 102,927 74,395,347 18.62% -15.02% 55 Oct-19 99,917 54,684,974 -2.92% -26.49% Nov-19 60,380 55,050,894 -39.57% 0.67% 56	Jan-19	94,083	69,062,068	3.31%	18.70%	
Apr-19 81,085 48,986,089 19.89% -16.41% 51 May-19 69,905 60,042,740 -13.79% 22.57% 52 Jun-19 58,939 74,737,634 -15.69% 24.47% 53 Jul-19 80,287 90,335,644 36.22% 20.87% Aug-19 86,774 87,540,704 8.08% -3.09% 54 Sep-19 102,927 74,395,347 18.62% -15.02% 55 Oct-19 99,917 54,684,974 -2.92% -26.49% Nov-19 60,380 55,050,894 -39.57% 0.67% 56	Feb-19	69,757	53,962,591	-25.86%	-21.86%	
May-19 69,905 60,042,740 -13.79% 22.57% 52 Jun-19 58,939 74,737,634 -15.69% 24.47% 53 Jul-19 80,287 90,335,644 36.22% 20.87% Aug-19 86,774 87,540,704 8.08% -3.09% 54 Sep-19 102,927 74,395,347 18.62% -15.02% 55 Oct-19 99,917 54,684,974 -2.92% -26.49% Nov-19 60,380 55,050,894 -39.57% 0.67% 56	Mar-19	·	58,600,598	-3.05%	8.59%	50
Jun-19 58,939 74,737,634 -15.69% 24.47% 53 Jul-19 80,287 90,335,644 36.22% 20.87% Aug-19 86,774 87,540,704 8.08% -3.09% 54 Sep-19 102,927 74,395,347 18.62% -15.02% 55 Oct-19 99,917 54,684,974 -2.92% -26.49% Nov-19 60,380 55,050,894 -39.57% 0.67% 56	Apr-19	81,085	48,986,089	19.89%	-16.41%	51
Jul-19 80,287 90,335,644 36.22% 20.87% Aug-19 86,774 87,540,704 8.08% -3.09% 54 Sep-19 102,927 74,395,347 18.62% -15.02% 55 Oct-19 99,917 54,684,974 -2.92% -26.49% Nov-19 60,380 55,050,894 -39.57% 0.67% 56	May-19	69,905	60,042,740	-13.79%	22.57%	52
Aug-19 86,774 87,540,704 8.08% -3.09% 54 Sep-19 102,927 74,395,347 18.62% -15.02% 55 Oct-19 99,917 54,684,974 -2.92% -26.49% Nov-19 60,380 55,050,894 -39.57% 0.67% 56	Jun-19	58,939	74,737,634	-15.69%	24.47%	53
Sep-19 102,927 74,395,347 18.62% -15.02% 55 Oct-19 99,917 54,684,974 -2.92% -26.49% Nov-19 60,380 55,050,894 -39.57% 0.67% 56	Jul-19	80,287	90,335,644	36.22%	20.87%	
Oct-19 99,917 54,684,974 -2.92% -26.49% Nov-19 60,380 55,050,894 -39.57% 0.67% 56	Aug-19	86,774	87,540,704	8.08%	-3.09%	54
Nov-19 60,380 55,050,894 -39.57% 0.67% 56	Sep-19	102,927	74,395,347	18.62%	-15.02%	55
	Oct-19	99,917	54,684,974	-2.92%	-26.49%	
Dec-19 93,995 62,134,047 55.67% 12.87%	Nov-19	60,380	55,050,894	-39.57%	0.67%	56
	Dec-19	93,995	62,134,047	55.67%	12.87%	

	GMO		GMO			
Revenue	Forfeited		Total	Change in	Change in	No. of
<u>Month</u>	<u>Discounts</u>	R	etail Revenue	Forfeited Discounts	<u>Revenues</u>	Occurrences**
Jan-20		\$	63,612,137			
Feb-20		\$	59,337,528			
Mar-20		\$	49,007,880			
Apr-20		\$	45,439,770			
May-20		\$	52,579,458			
Jun-20		\$	83,842,530			
Jul-20		\$	95,192,145			
Aug-20		\$	84,879,682			
Sep-20		\$	62,465,326			
Oct-20		\$	51,712,671			
Nov-20		\$	44,808,273			
Dec-20 Jan-21	(10)	\$ \$	54,260,881			
Feb-21	(10)	Ф \$	56,658,754 66,488,297			
Mar-21	(32) (2,746)	Ф \$	50,558,886			
Apr-21	(33)	Ф \$	50,335,558			
May-21	(21)	\$	57,444,732			
Jun-21	(0)	\$	81,924,836			
Jul-21	(0)	\$	88,877,096			
Aug-21	(176)	\$	93,480,194			
Sep-21	(17)	\$	73,050,525			
Oct-21	(11)	\$	51,634,499			
Nov-21	(7)	\$	53,551,767			
Dec-21	(1)	\$	54,185,994			
Jan-22	(3)	\$	64,850,892			
Feb-22	(316)	\$	59,798,388			
Mar-22	(136)	\$	60,834,447			
Apr-22	(2)	\$	55,693,069			
May-22	(1)	\$	68,732,137			
Jun-22	(1)	\$	88,675,674			
Jul-22	(5)	\$	102,998,723			
Aug-22	(1)	\$	97,459,334			
Sep-22	-	\$	73,132,844			
Oct-22	(1)	\$	55,857,918			
Nov-22	(198)	\$	59,729,142			
Dec-22	- (2)	\$	73,391,952			
Jan-23	(2)	\$	76,875,576			
Feb-23	40,064	\$	59,683,184	4.0.407	40	
Mar-23	38,125	\$	65,990,824	-4.84%	10.57%	57
Apr-23	35,859	\$	55,195,348	-5.94%	-16.36%	
May-23	30,491	\$	70,328,076	-14.97%	27.42%	
Jun-23	35,634	\$	91,356,680	16.87%	29.90%	
Jul-23	47,731	\$	103,268,248	33.95%	13.04%	
Aug-23	49,729	\$	96,583,531	4.19%	-6.47%	60

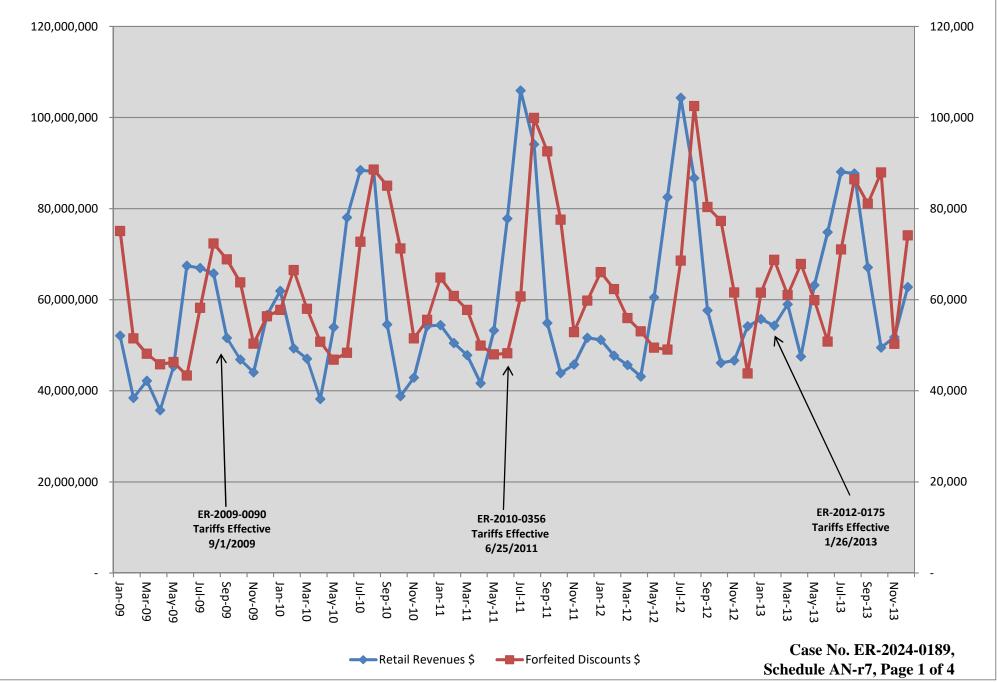
	GMO		GMO			
Revenue	Forfeited		Total	Change in	Change in	No. of
<u>Month</u>	<u>Discounts</u>	Re	etail Revenue	Forfeited Discounts	<u>Revenues</u>	Occurrences**
Sep-23	52,577	\$	75,577,933	5.73%	-21.75%	61
Oct-23	46,300	\$	62,965,795	-11.94%	-16.69%	
Nov-23	38,238	\$	59,852,365	-17.41%	-4.94%	
Dec-23	34,476	\$	63,424,814	-9.84%	5.97%	62
Jan-24	39,123	\$	78,875,638	13.48%	24.36%	
Feb-24	43,887	\$	58,306,097	12.18%	-26.08%	63
Mar-24	32,225	\$	64,245,704	-26.57%	10.19%	64
Apr-24	33,292	\$	58,183,326	3.31%	-9.44%	65
May-24	34,264	\$	72,046,745	2.92%	23.83%	
Jun-24	29,958		95,102,754	-12.57%	32.00%	66

^{**} This shows the number of times Revenue and Forfeited Discounts moved in different directions based on change in Revenues and change in Forfeited Discounts.

Note: EMW did not collect late payment fees during the Covid19 pandemic.

EMW- Forfeited Discount Analysis January 2009 Through December 2013





EMW - Forfeited Discount Analysis January 2014 Through December 2017



