CENTRAL MILK PRODUCERS COOPERATIVE

200 W. HIGGINS ROAD SUITE 305 SCHAUMBURG, IL. 60195



June 14, 2022

Federal Market Order 30 Vic Halverson, Market Administrator 600 West 82nd Street, Suite 200 Minneapolis, Minnesota 55431-1420

Dear Market Administrator:

The Central Milk Producers Cooperative (CMPC) and the Upper Midwest Marketing Association (UMMA) are requesting the Market Administrator, in accordance with the authority under §1030.7(g) of the Order, permanently reduce the required shipping percentages for supply plants under §1030.7(c) and 1030.7(f) from 6.0% to 4.5% and adjust the corresponding diversion limits under §1030.13(d)(2), and (3) from 94.0% to 95.5% effective August 1, 2022.

Proponents

The members of CMPC are Dairy Farmers of America, Inc., FarmFirst Dairy Cooperative, Foremost Farms USA, Cooperative, Land O' Lakes, Inc., National Farmers Organization and Scenic Central Milk Producers Cooperative Association. Collectively the members market in excess of 60% of the milk typically pooled on Federal Milk Marketing Order (FMMO) 30 (the Order).

This request is conjoined by the members of the Upper Midwest Marketing Agency (UMMA) whose members are Associated Milk Producers Inc., Bongards' Creameries, Dairy Farmers of America, Inc., The First District Association, Foremost Farms USA, Cooperative, Land O' Lakes, Inc., NFO, Inc., and Plainview Milk Producers Cooperative, and represent approximately 20% of the milk typically pooled on the Order. So collectively the preponderance of milk pooled on the Order is from the members of the two proponents.

Current Market Situation

The members of CMPC and UMMA collectively operate the Pooling System (organized under §1030.7(f)) known as the Central Milk Producers Cooperative system (System). The System has been in place since the 2002/2003 marketing year and serves the Order by organizing milk supplies in the most efficient manner possible to meet

the demands of milk buyers and consumers. The System participants, as listed on the FMMO 30 web site (http://www.fmma30.com/Publications/SysLetterSupp21-22.pdf), include 42 cooperative and/or proprietary plants that service the Order 30 market via the System. In Exhibit 1 Federal Milk Order Distributing Plant Information for 2022, of the 12 pool distributing plants listed for April 2022, the System serves 11 of the plants.

The System allows maximum flexibility, timeliness and marketwide balancing services to the Order in the most economical manner. It allows the closest supplies to deliver to the market when needed and remain at a balancing location when not needed. It prevents uneconomic shipments that may be made only to meet qualification standards and driving past nearby supplies. It allows milk suppliers flexibility in organizing their deliveries to both meet Order qualification and buyer standards while maximizing efficiencies in their own businesses.

To our knowledge all milk buyers have been able to secure all milk they demand, meeting the quality standards they desire and delivered timely in the manner they ordered. Also, the System has assured that all milk suppliers have been able to pool milk on the order, if they desire, so long as they provide reasonable service to the market.

However, as market conditions change with announced July 2022 plant closures, increasing milk production and flat to decreasing Class I volumes we are concerned that it may become difficult for the Order to accommodate all the milk that would want to pool. The Order 30 market is predominately a Class III market. The annual Agricultural Marketing service publication Market Summary and Utilization Report, Annual 2021 dated February 15, 2022 notes the utilization percentages in all Orders for CY 2021 and the Order 30 Class III utilization was 67%, the largest of any Order.

(https://www.ams.usda.gov/sites/default/files/media/2021AnnualPriceandPoolReport.pdf)

We anticipate during 2022 that Class IV prices may well be greater than Class III prices. If so and given the pooling strategies of rational handlers, the size of the 2022 Order 30 pools will be generally larger than those of the past few years as more Class III utilized milk will seek to pool. If the market cannot accommodate all the milk that chooses to pool disorderly marketing conditions will occur.

FMMOs provide for the orderly marketing of milk as a benefit to milk suppliers, milk buyers and consumers. Orderly marketing has no exact definition but for milk marketing Orders includes parameters such as minimum pricing, marketwide pooling, classified pricing, market information and regulations to structure the market is such a way to gain economic efficiencies and avoid uneconomic costs. It requires performance standards that define how market proceeds are shared equitably by suppliers. Federal Order decisions contain many references to this fact.

One such reference would be from the 2006 Final Decision for the hearing Milk in the Upper Midwest Marketing Area; Decision on Proposed Amendments to Marketing Agreement and to Order (FR 71-177 p. 54136 – 54149 summarizes several of these points. This Hearing was held, "to adopt amendments to the Upper Midwest Order intended to deter the de-pooling of milk and increase the order's maximum administrative assessment rate." (FR 71-177 p. 54136 c.1) The Hearing resulted in provisions placing limits on the practice of de-pooling and re-pooling milk that had been done is such a manner that was deemed disorderly due to its creation of non-uniform prices to producers.

The Decision noted:

Federal milk marketing orders rely on the tools of classified pricing and marketwide pooling to assure an adequate supply of milk for fluid (Class I) use **and** to provide for the equitable sharing of the revenues arising from the classified pricing of milk. Classified pricing assigns a value to milk according to how the milk is used. Regulated handlers who buy milk from dairy farmers are charged class prices according to how they use the farmer's milk. (emphasis added) (FR 71-177 p. 54137 c.2)

Of importance here is that Order provisions have a role well beyond only assuring an adequate supply of Class I milk including and of no less importance provide for equitable sharing of Order revenues.

The Decision further notes:

This final decision does find that disorderly marketing conditions are present when producers do not receive uniform prices. (FR 71-177 p. 54145 c.1 - c.2)

Disorderly marketing conditions occur for many reasons, some of which include when the market cannot make key supply / demand adjustments quickly in response to rapid changing market conditions; when meeting the Order provisions result in uneconomic shipments of milk; when changes in plant operating conditions that are out of the control of suppliers or changes in milk supply conditions that are out of the control of milk buyers make supplying the market more costly; or situations where all milk desiring to pool cannot do so or incur costs to pool that are greater than the value of being pooled disorderly marketing conditions are present.

While most functions of the Order can only be changed with a formal hearing, the pooling standards for delivery and diversion of milk can be modified by the Market Administrator after reviewing comments in support of or in opposition to the proposed changes. This allows the market to adjust to changes in key market conditions swiftly without the use of the formal, and lengthier, hearing process. Likewise, Order regulations allow for "a system of supply plants" to meet the delivery and diversion standards more economically than if the plants were required to meet met them individually.

Our present concern is that the supplier component of this matrix may face disorderly market conditions if the current qualification standards are not modified such that all milk that would otherwise meet the pooling standards not be able to pool. This proposal will avoid potential and likely disorderly marketing conditions which can result in unequal sharing of market proceeds, negatively impact producers, and increase the costs of servicing the FMMO 30 market.

Data

Pooling standards were relaxed most recently on May 1, 2019 at the request of the same proponents listed here. (http://ww.fmma30.com/News/ShippingRequirementsAdjusted--4-16-19.pdf) The same types of market conditions reviewed in supporting that change now further support granting this request.

Exhibit 2 - Monthly Milk Production Minnesota, South Dakota and Wisconsin 2013 - 2022 is an examination of the trends in milk production from three states which collectively comprise 92% of the milk pooled on the Order and reported monthly by the National Agriculture Statistics Service. (NASS) While not directly representing milk pooled on the Order it is a better representation of the status of milk production in the Order region since pooling and depooling decisions do not impact the NASS data.

Monthly data for South Dakota began publication in 2013. Monthly data for Minnesota and Wisconsin have been available for many years. The monthly data clearly exhibits the seasonal trends in annual milk production. The plotted linear trend line shows a slow but steady upward trend. Annual production for each of the ten-year period is 2013 / 38.8 billion pounds, 2014 / 39.0, 2015 / 40.8, 2016 / 42.2, 2017 / 42.8, 2018 / 43.1, 2019 / 43.3, 2020 / 44.0, 2021 / 45.8, and TD 2022 / 15.2. The compound annual growth rate (CAGR) is 2.1% per year. We expect this trend to continue and milk production in the region to increase.

Exhibit 1 Federal Order Distributing Plant Information for 2021-2022 to date is a regular publication of the Order listing all pool distributing plants (PDP) pooled on the Order each month. For 2022 year to date there were 12 plants listed for the month of April with some plants being PDP every month and some plants in an intermittent sequence of months. Additionally, two plants NDSM Chemung and NDSM DePere announced July 8, 2022 as their last day for bottling. There will be two fewer PDP available to make a qualifying shipment to in the Order. This means the same, and likely more milk volumes, must still find a location to ship qualifying loads to in order to meet the qualification standard from among fewer available plants. For those farms located near Harvard, IL or DePere, WI the distance to deliver will be further away and cost more to deliver in terms of mileage costs, waiting times as more milk must fit into the same unloading schedule, balancing schedules and possible more disruption to the remaining business of the supplying handler.

Additionally, the major component of a "qualifying sale" is deliveries for Class I use, which without argument, is currently declining in volume thus decreasing the total volume of available qualifying sales. Additionally, it is our experience that Class I plants are increasingly running less than seven-day schedules and some plants are choosing to greatly reduce weekend deliveries with the resultant impact of desiring more milk to be delivered between Monday and Friday increasing the cost to balance a Class I handler.

Exhibit 3 Qualifying Shipments for Federal Order 30 is a table prepared by the Market Administrator staff at the request of the proponents. By month for 2019-2022, it reveals the qualifying shipment volumes, the actual milk pooled each month, the trend in Class I producer milk and the resulting qualifying percentage met by all pool participants. For our purposes, a long data series is not immaterial and illustrates the declining monthly qualifying shipments. It is yet to reflect the loss of the two PDP in July 2022 and subsequent option for deliveries.

Column A "Qualifying Shipments" is the total shipments to plants that count as qualifying deliveries. Column B is the total producer milk pooled each month. Column C are the pounds of Class I producer milk and Column D the monthly qualifying percentage, established by §1030.7(c) and 1030.7(f) of the Order, calculated by dividing Column A by Column B.

To pool its milk, a handler, per §1030.7(c), or a system of supply plants, (per §1030.7(f) must ship 6% of the milk they wish to pool to a qualifying location. For 2019 - April 2022 all milk that was pooled met a qualifying percentage above the 6% standard and we are not aware of any milk that wished to pool - but was unable. However, using the pre-pandemic pooling data of 2019, June 2019 posted a qualifying percentage of 6.87% and was the largest

pool in the year. When conditions are such that pooling occurs to a level of 3 billion plus pounds, coupled with the loss of two PDP, our concern is to meet the qualifying 6% standard.

Exhibit 4 FMMO 30 Potential Qualification Percentage with Varying Changes in Milk Production and Qualifying Sales depicts the relationship between potential increases in milk production and potential decreases in qualifying sales on the 6.0% calculation. For our purposes we measured the impact beginning with the largest sized pool in 2019, June's 3,248,017,476 billion pounds (see Exhibit 3) and the estimated qualifying shipments after the closure of the Chemung and DePere plant of 167,248,528 million pounds. The largest pool is well within the realm of possibility especially for a future 31-day flush month. The smaller estimated qualifying sales volume seems a reasonable starting point for a lesser volume with the calculation of the loss of two PDP.

The row labeled pool size **increases** the pool volume in one percent increments and the column labeled qualifying sales **reduces** qualifying shipments by one percent. The intercept of the row and column is the resulting qualification percentage. For example, a one percent increase in production coupled with a four percent decrease in qualifying sales would compute to 4.89 and force some milk out of the pool. Both numbers are well within the range of possible and could be impactful in the flush months of **2023** when milk production peaks and Class I sales decrease as schools close for the **2022-2023** year. Hence our request that the proposed changes be made as soon as possible which would be **August 1, 2022.**

The 6.0% standard can be adjusted quickly by MA discretion without a hearing. However, the "quickly process" does require notice, comment and evaluation and while this can be done generally with a month's notice it can take longer. Should the standard not be met some amount of producer milk will not be able to be pooled and those producers would not have the same minimum blend price as a producer whose milk was able to be pooled. Hence our request is forward looking.

While the 6% qualifying standard served the Order for over 3 years it is possible the 6.0% level will not be adequate after July 2022. To that end we are proposing the Market Administrator set the new standard to be 4.5%. That would allow suppliers reasonable assurance that all milk could be pooled without peril over a longer period of time and long term supply arrangements could be made that will be the least cost possible. Likewise, milk buyers could be assured that their demands could be met economically. Given that the diversion percentage allowance is the reciprocal of the qualifying shipments percentage, we would request that the level as noted in $\S1030.13(d)(2)$ be increased to 95.5%.

Thank you for your consideration in this matter. Please direct any questions you may have to us.

Sincerely,

Joe Brinker, President

Central Milk Producers Cooperative (CMPC)

Vince Martens, President

Upper Midwest Milk Marketing Agency (UMMA)

Federal Milk Order Distributing Plant Information For 2021

Distributing Pool Plants

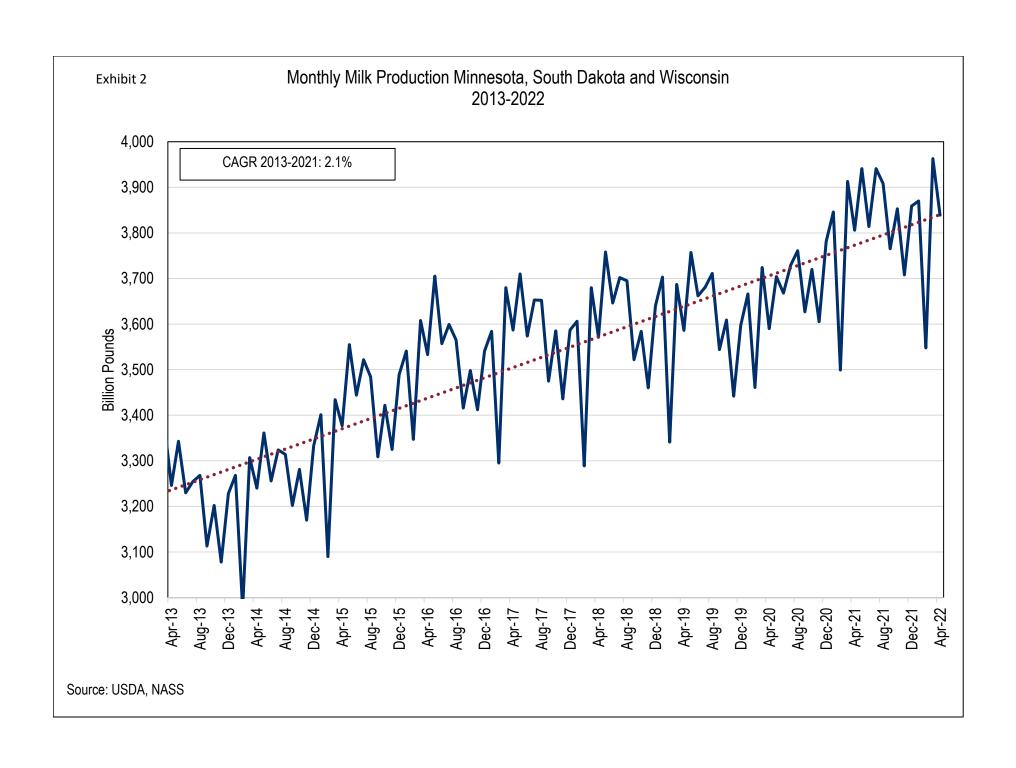
Plant Name	City	State	ZipCode	FipsCode	FipsCode	CI. I Dftl.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
East Side Jersey Dairy Inc.	Woodbury	MN	55125	27	163	1.70	30	30	30	30	30	30	30	30	30	30	30	30
Gehl Foods	Germantown	WI	53022	55	131	1.75			30	30	30	30	30					
Hastings Creamery LLC	Hastings	MN	55033	27	37	1.70					30	30	30	30	30	30	30	30
Kemps LLC	Cedarburg	WI	53012	55	89	1.75	30	30	30	30	30	30	30	30	30	30	30	30
Kemps LLC	Fargo	ND	58108	38	17	1.65	30	30	30	30	30	30	30	30	30	30	30	30
Kemps LLC	Minneapolis	MN	55411	27	53	1.70	30	30	30	30	30	30	30	30	30	30	30	30
Kwik Trip, Inc.	LaCrosse	WI	54603	55	63	1.70	30	30	30	30	30	30	30	30	30	30	30	30
Lamers Dairy, Inc.	Appleton	WI	54915	55	87	1.75	30	30	30	30	30	30	30	30	30	30	30	30
Lyons Magnus LLC	Beloit	WI	53511	55	105	1.75		30	30	30			30					
NDSM Chemung	Harvard	IL	60033	17	111	1.80	30	30	30	30	30	30	30	30	30	30	30	30
NDSM De Pere	DePere	WI	54115	55	9	1.75	30	30	30	30	30	30	30	30	30	30	30	30
Oberweis Dairy, Inc.	North Aurora	IL	60542	17	89	1.80	30	30	30	30	30	30	30	30	30	30	30	30
Plainview Milk Products	Hastings	MN	55033	27	37	1.70	30	30	30	30								
Prairie Farms Dairy, Inc	Rockford	IL	61105	17	201	1.75	30	30	30	30	30	30	30	30	30	30	30	30
St. Paul Beverage Solutions	Maplewood	MN	55113	27	123	1.70	30	30	30	30	30	30	30	30	30	30	30	30
							12	13	14	14	13	13	14	12	12	12	12	12

Federal Milk Order Distributing Plant Information For 2022

Distributing Pool Plants

Plant Name	City	State	ZipCode	FipsCode	FipsCode	CI. I Dftl.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
East Side Jersey Dairy Inc.	Woodbury	MN	55125	27	163	1.70	30	30	30	30								
Hastings Creamery LLC	Hastings	MN	55033	27	37	1.70	30	30	30	30								
Kemps LLC	Cedarburg	WI	53012	55	89	1.75	30	30	30	30								
Kemps LLC	Fargo	ND	58108	38	17	1.65	30	30	30	30								
Kemps LLC	Minneapolis	MN	55411	27	53	1.70	30	30	30	30								
Kwik Trip, Inc.	LaCrosse	WI	54603	55	63	1.70	30	30	30	30								
Lamers Dairy, Inc.	Appleton	WI	54915	55	87	1.75	30	30	30	30								
Lyons Magnus LLC	Beloit	WI	53511	55	105	1.75		30	30									
NDSM Chemung	Harvard	IL	60033	17	111	1.80	30	30	30	30								
NDSM De Pere	DePere	WI	54115	55	9	1.75	30	30	30	30								
Oberweis Dairy, Inc.	North Aurora	IL	60542	17	89	1.80	30	30	30	30								
Prairie Farms Dairy, Inc	Rockford	IL	61105	17	201	1.75	30	30	30	30								
St. Paul Beverage Solutions	Maplewood	MN	55113	27	123	1.70	30	30	30	30								
							10	12	12	10	0		^			0	0	0

Source: FMMO 30 Market Administrator



Qualifying Shipments for Federal Order 30

February 234,256,175 2,772,496,764 217,577,039 8.44% March 251,492,022 3,243,312,285 228,057,274 7,75% April 242,490,621 3,010,895,282 230,702,238 8.05% May 251,324,036 3,247,290,010 236,306,695 7,73% June 223,344,037 3,248,017,476 197,590,271 6.87% July 231,549,505 2,896,798,567 216,019,774 7.99% August 254,829,074 3,172,758,356 222,980,193 8.03% September 254,439,311 2,283,861,261 220,901,413 11.14% October 277,381,590 1,960,339,796 239,753,190 14.13% November 277,388,548 1,617,068,827 234,599,36 17.15% December 263,244,832 1,798,134,546 232,366,731 14.53% January 2020 262,596,271 2,234,479,475 238,622,737 11.75% February 246,024,374 2,247,486,387 212,020,330 10.94% <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>D</th>							D
Month Year Shipments Producer Milk Class I Producer Milk January 2019 259,549,922 3,059,232,844 243,149,708 8.48% February 234,256,175 2,772,496,764 217,577,039 8.44% March 251,492,022 3,243,312,285 228,057,274 7.75% April 242,490,621 3,010,895,282 230,702,238 8.05% May 251,324,036 3,247,290,010 236,306,695 7.73% July 231,549,505 2,896,798,567 216,019,774 7.99% August 254,829,074 3,172,758,356 222,990,193 8.03% September 254,839,311 2,283,612,61 220,991,413 11,149 October 277,181,590 1,960,339,796 239,753,190 14,139 November 277,388,548 1,617,068,827 234,959,936 17,15% February 246,024,374 2,247,486,387 212,020,330 10,94% March 278,672,388 2,545,582,909 245,279,826 10,94%			Α	В	С		A/B
January 2019 259,549,922 3,059,232,844 243,149,708 8.48% February 234,256,175 2,772,496,764 217,577,039 8.44% March 251,492,022 3,243,312,285 228,057,274 7.75% April 242,490,621 3,010,895,282 230,702,238 8.05% May 251,324,036 3,247,290,010 236,306,695 7.73% June 223,344,037 3,248,017,476 197,590,271 6.87% August 254,829,074 3,172,758,356 222,980,193 8.03% September 254,439,311 2,283,861,261 220,901,413 11.14% October 277,181,590 1,960,339,796 239,753,190 14.13% November 273,384,548 1,617,068,827 234,599,936 17.15% December 263,244,832 1,798,134,546 232,366,731 14.63% January 2020 262,596,271 2,234,479,475 238,622,737 11.75% February 246,024,374 2,247,486,387 212,020,330 10.94% April 243,869,394 2,704,017,011 222,436,352 9.01% May 253,602,679 2,778,675,142 220,415,819 9.12% June 231,764,990 1,008,550,913 211,873,746 232,236,340 211,873,746 232,236,350 241,380,199 245,279,826 10.94% April 243,809,394 2,704,017,011 222,436,352 9.01% April 243,809,			Qualifying	Actual Pooled			
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March 251,492,022 3,243,312,285 228,057,274 7.75% April 242,490,621 3,010,895,282 230,702,238 8.05% May 251,324,036 3,247,290,010 236,306,695 7.73% June 223,344,037 3,248,017,476 197,590,271 6.87% July 231,549,505 2,896,798,567 216,019,774 7.99% August 254,829,074 3,172,758,356 222,980,193 8.03% September 254,439,311 2,283,861,261 220,901,413 11,14% October 277,181,590 1,960,339,796 239,753,190 14,13% November 277,388,548 1,617,068,827 234,959,936 17,15% December 263,244,832 1,798,134,546 232,366,731 14,63% January 2020 265,596,271 2,234,479,475 238,622,737 17,5% February 246,024,374 2,247,486,387 212,020,330 10,94% April 243,869,394 2,704,017,011 222,436,352 9,01%	January	2019	259,549,922	3,059,232,844	243,149,708		8.48%
March 251,492,022 3,243,312,285 228,057,274 7.75% April 242,490,621 3,010,895,282 230,702,238 8.05% May 251,324,036 3,247,290,010 236,306,695 7.73% June 223,344,037 3,248,017,476 197,590,271 6.87% July 231,549,505 2,896,798,567 216,019,774 7.99% August 254,829,074 3,172,758,356 222,980,193 8.03% September 254,439,311 2,283,861,261 220,901,413 11,14% October 277,181,590 1,960,339,796 239,753,190 14,13% November 277,388,548 1,617,068,827 234,959,936 17,15% December 263,244,832 1,798,134,546 232,366,731 14,63% January 2020 265,596,271 2,234,479,475 238,622,737 17,5% February 246,024,374 2,247,486,387 212,020,330 10,94% April 243,869,394 2,704,017,011 222,436,352 9,01%	February		234,256,175		217,577,039		8.44%
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June 223,344,037 3,248,017,476 197,590,271 6.87% July 231,549,505 2,896,798,567 216,019,774 7.99% August 254,829,074 3,172,758,356 222,980,193 8.03% September 254,439,311 2,283,861,261 220,901,413 11.14% October 277,181,590 1,960,339,796 239,753,190 14.13% November 277,388,548 1,617,068,827 234,959,936 17.15% December 263,244,832 1,798,134,546 232,366,731 14.63% January 2020 262,596,271 2,234,479,475 238,622,737 11.75% February 246,024,374 2,247,486,387 212,020,330 10.94% April 243,869,394 2,704,017,011 222,436,352 90.1% May 253,602,679 2,778,675,142 220,415,819 91.2% Jule 231,764,990 1,086,940,322 211,884,057 21.32% August 237,217,973 1,090,671,555 203,186,340 21.74% <td>April</td> <td></td> <td>242,490,621</td> <td>3,010,895,282</td> <td>230,702,238</td> <td></td> <td>8.05%</td>	April		242,490,621	3,010,895,282	230,702,238		8.05%
June 223,344,037 3,248,017,476 197,590,271 6.87% July 231,549,505 2,896,798,567 216,019,774 7.99% August 254,829,074 3,172,758,356 222,980,193 8.03% September 254,439,311 2,283,861,261 220,901,413 11.14% October 277,181,590 1,960,339,796 239,753,190 14.13% November 273,388,548 1,617,068,827 234,959,936 17.15% December 263,244,832 1,798,134,546 232,366,731 14.63% January 2020 262,596,271 2,234,479,475 238,622,737 11.75% February 246,024,374 2,247,486,387 211,202,330 10.94% April 243,869,394 2,704,017,011 222,436,352 9.01% May 253,602,679 2,778,675,142 220,415,819 9.12% July 233,061,329 1,006,940,322 211,884,057 21.32% August 237,217,973 1,090,671,555 203,186,340 21.74% <td>May</td> <td></td> <td>251,324,036</td> <td>3,247,290,010</td> <td>236,306,695</td> <td></td> <td>7.73%</td>	May		251,324,036	3,247,290,010	236,306,695		7.73%
July 231,549,505 2,896,798,567 216,019,774 7.99% August 254,829,074 3,172,758,356 222,980,193 8.03% September 254,439,311 2,283,861,261 220,901,413 11.14% October 277,181,590 1,960,339,796 239,753,190 14.13% November 277,388,548 1,617,068,827 234,959,936 17.15% December 263,244,832 1,798,134,546 232,366,731 14.63% January 2020 262,596,271 2,234,479,475 238,622,737 11.75% February 246,024,374 2,247,486,387 212,020,330 10.94% April 243,869,394 2,704,017,011 222,436,352 9.01% May 253,602,679 2,778,675,142 220,415,819 9.12% Jule 231,764,990 1,086,940,322 211,884,057 21.32% August 237,217,973 1,090,671,555 203,186,340 21.74% September 241,380,159 1,063,550,913 213,163,310 22.69%							6.87%
September 254,439,311 2,283,861,261 220,901,413 11.14% October 277,181,590 1,960,339,796 239,753,190 14.13% November 277,388,548 1,617,068,827 234,959,936 17.15% December 263,244,832 1,798,134,546 232,366,731 14.63% January 2020 262,596,271 2,234,479,475 238,622,737 11.75% February 246,024,374 2,247,486,387 212,020,330 10.94% March 278,672,388 2,545,582,909 245,279,826 10.94% April 243,869,394 2,704,017,011 222,436,352 9.01% May 253,602,679 2,778,675,142 220,415,819 9.12% Julne 231,764,990 1,086,940,322 211,884,057 21.32% August 237,217,973 1,000,871,555 203,186,340 21.74% September 241,380,159 1,063,550,913 213,163,310 22.69% October 249,766,867 926,329,604 226,196,070 26,96%	July		231,549,505				7.99%
October 277,181,590 1,960,339,796 239,753,190 14.13% November 277,388,548 1,617,068,827 234,959,936 17.15% December 263,244,832 1,798,134,546 232,366,731 14.63% January 2020 262,596,271 2,234,479,475 238,622,737 11.75% February 246,024,374 2,247,486,387 212,020,330 10.94% March 278,672,388 2,545,582,909 245,279,826 10.94% April 243,869,394 2,704,017,011 222,436,352 9.01% May 253,602,679 2,778,675,142 220,415,819 9.12% June 231,764,990 1,086,940,322 211,884,057 21.32% August 233,061,329 1,009,671,555 203,186,340 221,748 September 241,380,159 1,063,550,913 213,163,310 22.69% October 249,766,867 926,329,604 226,196,070 26.96% November 245,660,207 895,620,962 213,005,568 27.42%	August		254,829,074	3,172,758,356	222,980,193		8.03%
October 277,181,590 1,960,339,796 239,753,190 14.13% November 277,388,548 1,617,068,827 234,959,936 17.15% December 263,244,832 1,798,134,546 232,366,731 14.63% January 2020 262,596,271 2,234,479,475 238,622,737 11.75% February 246,024,374 2,247,486,387 212,020,330 10.94% March 278,672,388 2,545,582,909 245,279,826 10.94% April 243,869,394 2,704,017,011 222,436,352 9.01% May 253,602,679 2,778,675,142 220,415,819 9.12% June 231,764,990 1,086,940,322 211,884,057 21.32% August 233,061,329 1,009,671,555 203,186,340 221,748 September 241,380,159 1,063,550,913 213,163,310 22.69% October 249,766,867 926,329,604 226,196,070 26.96% November 245,660,207 895,620,962 213,005,568 27.42%	September		254,439,311	2,283,861,261	220,901,413		11.14%
November 277,388,548 1,617,068,827 234,959,936 17.15% December 263,244,832 1,798,134,546 232,366,731 14.63% January 2020 262,596,271 2,234,479,475 238,622,737 11.75% February 246,024,374 2,247,486,387 212,020,330 10.94% March 278,672,388 2,545,582,909 245,279,826 10.94% April 243,869,394 2,704,017,011 222,436,352 9.01% May 253,602,679 2,778,675,142 220,415,819 9.12% June 231,764,990 1,086,940,322 211,884,057 21.32% July 233,061,329 1,000,856,081 211,873,746 23.28% August 237,217,973 1,090,671,555 203,186,340 21.74% September 241,380,159 1,063,550,913 213,163,310 22.69% November 245,660,207 895,620,962 213,005,568 27.42% December 240,320,793 1,715,898,749 227,905,266 14.00%			277,181,590	1,960,339,796	239,753,190		14.13%
December 263,244,832 1,798,134,546 232,366,731 14.63% January 2020 262,596,271 2,234,479,475 238,622,737 11.75% February 246,024,374 2,247,486,387 212,020,330 10.94% March 278,672,388 2,545,582,909 245,279,826 10.94% April 243,869,394 2,704,017,011 222,436,352 9.01% May 253,602,679 2,778,675,142 220,415,819 9.12% June 231,764,990 1,086,940,322 211,884,057 21.32% July 233,061,329 1,000,856,081 211,873,746 23.28% August 237,217,973 1,090,671,555 203,186,340 21.74% September 241,380,159 1,063,550,913 213,163,310 22.69% October 249,766,867 926,329,604 226,196,070 26.96% November 240,320,793 1,715,898,749 227,905,266 14.00% January 2021 238,057,236 1,035,869,352 212,446,180	November		277,388,548				17.15%
January 2020 262,596,271 2,234,479,475 238,622,737 11.75% February 246,024,374 2,247,486,387 212,020,330 10.94% March 278,672,388 2,545,582,909 245,279,826 10.94% April 243,869,394 2,704,017,011 222,436,352 9.01% May 253,602,679 2,778,675,142 220,415,819 9.12% June 231,764,990 1,086,940,322 211,884,057 21.32% July 233,061,329 1,000,856,081 211,873,746 23.28% August 237,217,973 1,090,671,555 203,186,340 21.74% September 241,380,159 1,063,550,913 213,163,310 22.69% October 249,766,867 926,329,604 226,196,070 26.96% November 245,660,207 895,620,962 213,005,568 27.42% December 240,320,793 1,715,898,749 227,905,266 14.00% January 2021 238,057,236 1,035,869,352 212,446,180 <	December		263,244,832	1,798,134,546	232,366,731		14.63%
February 246,024,374 2,247,486,387 212,020,330 10.94% March 278,672,388 2,545,582,909 245,279,826 10.94% April 243,869,394 2,704,017,011 222,436,352 9.01% May 253,602,679 2,778,675,142 220,415,819 9.12% June 231,764,990 1,086,940,322 211,884,057 21.32% July 233,061,329 1,000,856,081 211,873,746 23.28% August 237,217,973 1,090,671,555 203,186,340 21.74% September 241,380,159 1,063,550,913 213,163,310 22.69% October 249,766,867 926,329,604 226,196,070 26.96% November 245,660,207 895,620,962 213,005,568 27.42% December 240,320,793 1,715,898,749 227,905,266 14.00% January 2021 238,057,236 1,035,869,352 212,446,180 22.98% February 222,154,776 898,374,057 200,772,091 24.72% <td>January</td> <td>2020</td> <td></td> <td>2,234,479,475</td> <td></td> <td></td> <td>11.75%</td>	January	2020		2,234,479,475			11.75%
March 278,672,388 2,545,582,909 245,279,826 10.94% April 243,869,394 2,704,017,011 222,436,352 9.01% May 253,602,679 2,778,675,142 220,415,819 9.12% June 231,764,990 1,086,940,322 211,884,057 21.32% July 233,061,329 1,000,856,081 211,873,746 23.28% August 237,217,973 1,090,671,555 203,186,340 21.74% September 241,380,159 1,063,550,913 213,163,310 22.69% October 249,766,867 926,329,604 226,196,070 26.96% November 245,660,207 895,620,962 213,005,568 27.42% December 240,320,793 1,715,898,749 227,905,266 14.00% January 2021 238,057,236 1,035,869,352 212,446,180 22.98% February 222,154,776 898,374,057 200,772,091 24.72% March 240,045,849 964,507,613 219,159,910 24.88%			246,024,374		212,020,330		10.94%
April 243,869,394 2,704,017,011 222,436,352 9.01% May 253,602,679 2,778,675,142 220,415,819 9.12% June 231,764,990 1,086,940,322 211,884,057 21.32% July 233,061,329 1,000,856,081 211,873,746 23.28% August 237,217,973 1,090,671,555 203,186,340 21.74% September 241,380,159 1,063,550,913 213,163,310 22.69% October 249,766,867 926,329,604 226,196,070 26.96% November 245,660,207 895,620,962 213,005,568 27.42% December 240,320,793 1,715,898,749 227,905,266 14.00% January 2021 238,057,236 1,035,869,352 212,446,180 22.98% February 222,154,776 898,374,057 200,772,091 24.72% March 240,045,849 964,570,613 219,159,910 24.88% April 227,838,486 927,120,130 206,802,497 24.57% <	March						10.94%
May 253,602,679 2,778,675,142 220,415,819 9.12% June 231,764,990 1,086,940,322 211,884,057 21.32% July 233,061,329 1,000,856,081 211,873,746 23.28% August 237,217,973 1,090,671,555 203,186,340 21.74% September 241,380,159 1,063,550,913 213,163,310 22.69% October 249,766,867 926,329,604 226,196,070 26.96% November 245,660,207 895,620,962 213,005,568 27.42% December 240,320,793 1,715,898,749 227,905,266 14.00% January 2021 238,057,236 1,035,869,352 212,446,180 22.98% February 222,154,776 898,374,057 200,772,091 24.72% March 240,045,849 964,507,613 219,159,910 24.88% April 227,838,486 927,120,130 206,802,497 24.57% May 230,423,162 938,719,153 202,685,853 24.54%	April						9.01%
June 231,764,990 1,086,940,322 211,884,057 21.32% July 233,061,329 1,000,856,081 211,873,746 23.28% August 237,217,973 1,090,671,555 203,186,340 21.74% September 241,380,159 1,063,550,913 213,163,310 22.69% October 249,766,867 926,329,604 226,196,070 26.96% November 245,660,207 895,620,962 213,005,568 27.42% December 240,320,793 1,715,898,749 227,905,266 14.00% January 2021 238,057,236 1,035,869,352 212,446,180 22.98% February 222,154,776 898,374,057 200,772,091 24.72% March 240,045,849 964,507,613 219,159,910 24.88% April 227,838,486 927,120,130 206,802,497 24.57% May 230,423,162 938,719,153 202,685,853 24.54% July 203,488,874 1,283,761,106 187,412,919 15.85% <t< td=""><td><u> </u></td><td></td><td></td><td></td><td></td><td></td><td>9.12%</td></t<>	<u> </u>						9.12%
July 233,061,329 1,000,856,081 211,873,746 23.28% August 237,217,973 1,090,671,555 203,186,340 21.74% September 241,380,159 1,063,550,913 213,163,310 22.69% October 249,766,867 926,329,604 226,196,070 26.96% November 245,660,207 895,620,962 213,005,568 27.42% December 240,320,793 1,715,898,749 227,905,266 14.00% January 2021 238,057,236 1,035,869,352 212,446,180 22.98% February 222,154,776 898,374,057 200,772,091 24.72% March 240,045,849 964,507,613 219,159,910 24.88% April 227,838,486 927,120,130 206,802,497 24.57% May 230,423,162 938,719,153 202,685,853 24.54% Jule 203,488,874 1,283,761,106 187,412,919 15.85% July 209,641,713 1,918,430,639 196,716,135 10.92% <t< td=""><td>June</td><td></td><td></td><td></td><td></td><td></td><td>21.32%</td></t<>	June						21.32%
August 237,217,973 1,090,671,555 203,186,340 21.74% September 241,380,159 1,063,550,913 213,163,310 22.69% October 249,766,867 926,329,604 226,196,070 26.96% November 245,660,207 895,620,962 213,005,568 27.42% December 240,320,793 1,715,898,749 227,905,266 14.00% January 2021 238,057,236 1,035,869,352 212,446,180 22.98% February 222,154,776 898,374,057 200,772,091 24.72% March 240,045,849 964,507,613 219,159,910 24.88% April 227,838,486 927,120,130 206,802,497 24.57% May 230,423,162 938,719,153 202,685,853 24.54% Jule 203,488,874 1,283,761,106 187,412,919 15.85% July 209,641,713 1,918,430,639 196,716,135 10.92% August 218,384,753 2,076,925,193 201,450,549 10.51%	July						23.28%
September 241,380,159 1,063,550,913 213,163,310 22.69% October 249,766,867 926,329,604 226,196,070 26.96% November 245,660,207 895,620,962 213,005,568 27.42% December 240,320,793 1,715,898,749 227,905,266 14.00% January 2021 238,057,236 1,035,869,352 212,446,180 22.98% February 222,154,776 898,374,057 200,772,091 24.72% March 240,045,849 964,507,613 219,159,910 24.88% April 227,838,486 927,120,130 206,802,497 24.57% May 230,423,162 938,719,153 202,685,853 24.54% June 203,488,874 1,283,761,106 187,412,919 15.85% July 209,641,713 1,918,430,639 196,716,135 10.92% August 218,384,753 2,076,925,193 201,450,549 10.51% September 226,958,757 2,264,337,917 208,033,416 10.02%							21.74%
October 249,766,867 926,329,604 226,196,070 26.96% November 245,660,207 895,620,962 213,005,568 27.42% December 240,320,793 1,715,898,749 227,905,266 14.00% January 2021 238,057,236 1,035,869,352 212,446,180 22.98% February 222,154,776 898,374,057 200,772,091 24.72% March 240,045,849 964,507,613 219,159,910 24.88% April 227,838,486 927,120,130 206,802,497 24.57% May 230,423,162 938,719,153 202,685,853 24.54% June 203,488,874 1,283,761,106 187,412,919 15.85% July 209,641,713 1,918,430,639 196,716,135 10.92% August 218,384,753 2,076,925,193 201,450,549 10.51% September 226,958,757 2,264,337,917 208,033,416 10.02% October 235,773,998 1,446,642,762 209,966,744 16.29%							22.69%
November 245,660,207 895,620,962 213,005,568 27.42% December 240,320,793 1,715,898,749 227,905,266 14.00% January 2021 238,057,236 1,035,869,352 212,446,180 22.98% February 222,154,776 898,374,057 200,772,091 24.72% March 240,045,849 964,507,613 219,159,910 24.88% April 227,838,486 927,120,130 206,802,497 24.57% May 230,423,162 938,719,153 202,685,853 24.54% June 203,488,874 1,283,761,106 187,412,919 15.85% July 209,641,713 1,918,430,639 196,716,135 10.92% August 218,384,753 2,076,925,193 201,450,549 10.51% September 226,958,757 2,264,337,917 208,033,416 10.02% October 235,773,998 1,446,642,762 209,966,744 16.29% November 243,401,782 2,262,963,814 223,218,222 10.75%							26.96%
December 240,320,793 1,715,898,749 227,905,266 14.00% January 2021 238,057,236 1,035,869,352 212,446,180 22.98% February 222,154,776 898,374,057 200,772,091 24.72% March 240,045,849 964,507,613 219,159,910 24.88% April 227,838,486 927,120,130 206,802,497 24.57% May 230,423,162 938,719,153 202,685,853 24.54% June 203,488,874 1,283,761,106 187,412,919 15.85% July 209,641,713 1,918,430,639 196,716,135 10.92% August 218,384,753 2,076,925,193 201,450,549 10.51% September 226,958,757 2,264,337,917 208,033,416 10.02% October 235,773,998 1,446,642,762 209,966,744 16.29% November 238,754,168 1,922,682,738 218,882,207 12.41% December 243,401,782 2,262,963,814 223,218,222 10.75% <td>November</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>27.42%</td>	November						27.42%
February 222,154,776 898,374,057 200,772,091 24.72% March 240,045,849 964,507,613 219,159,910 24.88% April 227,838,486 927,120,130 206,802,497 24.57% May 230,423,162 938,719,153 202,685,853 24.54% June 203,488,874 1,283,761,106 187,412,919 15.85% July 209,641,713 1,918,430,639 196,716,135 10.92% August 218,384,753 2,076,925,193 201,450,549 10.51% September 226,958,757 2,264,337,917 208,033,416 10.02% October 235,773,998 1,446,642,762 209,966,744 16.29% November 238,754,168 1,922,682,738 218,882,207 12.41% December 243,401,782 2,262,963,814 223,218,222 10.75% January 2022 241,104,210 2,494,602,781 212,497,867 9.66% February 219,416,761 2,389,553,919 194,919,549 9.18%	December		240,320,793				14.00%
February 222,154,776 898,374,057 200,772,091 24.72% March 240,045,849 964,507,613 219,159,910 24.88% April 227,838,486 927,120,130 206,802,497 24.57% May 230,423,162 938,719,153 202,685,853 24.54% June 203,488,874 1,283,761,106 187,412,919 15.85% July 209,641,713 1,918,430,639 196,716,135 10.92% August 218,384,753 2,076,925,193 201,450,549 10.51% September 226,958,757 2,264,337,917 208,033,416 10.02% October 235,773,998 1,446,642,762 209,966,744 16.29% November 238,754,168 1,922,682,738 218,882,207 12.41% December 243,401,782 2,262,963,814 223,218,222 10.75% January 2022 241,104,210 2,494,602,781 212,497,867 9.66% February 219,416,761 2,389,553,919 194,919,549 9.18%	January	2021	238,057,236	1,035,869,352	212,446,180		22.98%
March 240,045,849 964,507,613 219,159,910 24.88% April 227,838,486 927,120,130 206,802,497 24.57% May 230,423,162 938,719,153 202,685,853 24.54% June 203,488,874 1,283,761,106 187,412,919 15.85% July 209,641,713 1,918,430,639 196,716,135 10.92% August 218,384,753 2,076,925,193 201,450,549 10.51% September 226,958,757 2,264,337,917 208,033,416 10.02% October 235,773,998 1,446,642,762 209,966,744 16.29% November 238,754,168 1,922,682,738 218,882,207 12.41% December 243,401,782 2,262,963,814 223,218,222 10.75% January 2022 241,104,210 2,494,602,781 212,497,867 9.66% February 219,416,761 2,389,553,919 194,919,549 9.18% March 231,256,411 2,759,340,175 212,727,475 8.38% </td <td>February</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>24.72%</td>	February						24.72%
April 227,838,486 927,120,130 206,802,497 24.57% May 230,423,162 938,719,153 202,685,853 24.54% June 203,488,874 1,283,761,106 187,412,919 15.85% July 209,641,713 1,918,430,639 196,716,135 10.92% August 218,384,753 2,076,925,193 201,450,549 10.51% September 226,958,757 2,264,337,917 208,033,416 10.02% October 235,773,998 1,446,642,762 209,966,744 16.29% November 238,754,168 1,922,682,738 218,882,207 12.41% December 243,401,782 2,262,963,814 223,218,222 10.75% January 2022 241,104,210 2,494,602,781 212,497,867 9.66% February 219,416,761 2,389,553,919 194,919,549 9.18% March 231,256,411 2,759,340,175 212,727,475 8.38%	March		240,045,849				24.88%
May 230,423,162 938,719,153 202,685,853 24.54% June 203,488,874 1,283,761,106 187,412,919 15.85% July 209,641,713 1,918,430,639 196,716,135 10.92% August 218,384,753 2,076,925,193 201,450,549 10.51% September 226,958,757 2,264,337,917 208,033,416 10.02% October 235,773,998 1,446,642,762 209,966,744 16.29% November 238,754,168 1,922,682,738 218,882,207 12.41% December 243,401,782 2,262,963,814 223,218,222 10.75% January 2022 241,104,210 2,494,602,781 212,497,867 9.66% February 219,416,761 2,389,553,919 194,919,549 9.18% March 231,256,411 2,759,340,175 212,727,475 8.38%					206,802,497		24.57%
June 203,488,874 1,283,761,106 187,412,919 15.85% July 209,641,713 1,918,430,639 196,716,135 10.92% August 218,384,753 2,076,925,193 201,450,549 10.51% September 226,958,757 2,264,337,917 208,033,416 10.02% October 235,773,998 1,446,642,762 209,966,744 16.29% November 238,754,168 1,922,682,738 218,882,207 12.41% December 243,401,782 2,262,963,814 223,218,222 10.75% January 2022 241,104,210 2,494,602,781 212,497,867 9.66% February 219,416,761 2,389,553,919 194,919,549 9.18% March 231,256,411 2,759,340,175 212,727,475 8.38%	May		230,423,162	938,719,153	202,685,853		24.54%
July 209,641,713 1,918,430,639 196,716,135 10.92% August 218,384,753 2,076,925,193 201,450,549 10.51% September 226,958,757 2,264,337,917 208,033,416 10.02% October 235,773,998 1,446,642,762 209,966,744 16.29% November 238,754,168 1,922,682,738 218,882,207 12.41% December 243,401,782 2,262,963,814 223,218,222 10.75% January 2022 241,104,210 2,494,602,781 212,497,867 9.66% February 219,416,761 2,389,553,919 194,919,549 9.18% March 231,256,411 2,759,340,175 212,727,475 8.38%	June						15.85%
August 218,384,753 2,076,925,193 201,450,549 10.51% September 226,958,757 2,264,337,917 208,033,416 10.02% October 235,773,998 1,446,642,762 209,966,744 16.29% November 238,754,168 1,922,682,738 218,882,207 12.41% December 243,401,782 2,262,963,814 223,218,222 10.75% January 2022 241,104,210 2,494,602,781 212,497,867 9.66% February 219,416,761 2,389,553,919 194,919,549 9.18% March 231,256,411 2,759,340,175 212,727,475 8.38%	July						10.92%
September 226,958,757 2,264,337,917 208,033,416 10.02% October 235,773,998 1,446,642,762 209,966,744 16.29% November 238,754,168 1,922,682,738 218,882,207 12.41% December 243,401,782 2,262,963,814 223,218,222 10.75% January 2022 241,104,210 2,494,602,781 212,497,867 9.66% February 219,416,761 2,389,553,919 194,919,549 9.18% March 231,256,411 2,759,340,175 212,727,475 8.38%	August						10.51%
October 235,773,998 1,446,642,762 209,966,744 16.29% November 238,754,168 1,922,682,738 218,882,207 12.41% December 243,401,782 2,262,963,814 223,218,222 10.75% January 2022 241,104,210 2,494,602,781 212,497,867 9.66% February 219,416,761 2,389,553,919 194,919,549 9.18% March 231,256,411 2,759,340,175 212,727,475 8.38%	September						10.02%
November 238,754,168 1,922,682,738 218,882,207 12.41% December 243,401,782 2,262,963,814 223,218,222 10.75% January 2022 241,104,210 2,494,602,781 212,497,867 9.66% February 219,416,761 2,389,553,919 194,919,549 9.18% March 231,256,411 2,759,340,175 212,727,475 8.38%	October			1,446,642,762			16.29%
December 243,401,782 2,262,963,814 223,218,222 10.75% January 2022 241,104,210 2,494,602,781 212,497,867 9.66% February 219,416,761 2,389,553,919 194,919,549 9.18% March 231,256,411 2,759,340,175 212,727,475 8.38%	November						12.41%
January 2022 241,104,210 2,494,602,781 212,497,867 9.66% February 219,416,761 2,389,553,919 194,919,549 9.18% March 231,256,411 2,759,340,175 212,727,475 8.38%	December						10.75%
February 219,416,761 2,389,553,919 194,919,549 9.18% March 231,256,411 2,759,340,175 212,727,475 8.38%		2022					9.66%
March 231,256,411 2,759,340,175 212,727,475 8.38%	February						9.18%
	March						8.38%
	April						9.80%

Exhibit 4

FMMO 30 Potential Qualification Percentages with Varying Changes in Milk Production and Qualifying Sales

5.0% 4.5% 4.0% 3.5%

		Pool Size	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%
Estimated (Qualifying Sales	3,248,017,476	3,280,497,651	3,312,977,826	3,345,458,000	3,377,938,175	3,410,418,350	3,442,898,525	3,475,378,699	3,507,858,874	3,540,339,049	3,572,819,224
	167,248,528	5.15%	5.10%	5.05%	5.00%	4.95%	4.90%	4.86%	4.81%	4.77%	4.72%	4.68%
-1%	165,576,043	5.10%	5.05%	5.00%	4.95%	4.90%	4.86%	4.81%	4.76%	4.72%	4.68%	4.63%
-2%	163,903,557	5.05%	5.00%	4.95%	4.90%	4.85%	4.81%	4.76%	4.72%	4.67%	4.63%	4.59%
-3%	162,231,072	4.99%	4.95%	4.90%	4.85%	4.80%	4.76%	4.71%	4.67%	4.62%	4.58%	4.54%
-4%	160,558,587	4.94%	4.89%	4.85%	4.80%	4.75%	4.71%	4.66%	4.62%	4.58%	4.54%	4.49%
-5%	158,886,102	4.89%	4.84%	4.80%	4.75%	4.70%	4.66%	4.61%	4.57%	4.53%	4.49%	4.45%
-6%	157,213,616	4.84%	4.79%	4.75%	4.70%	4.65%	4.61%	4.57%	4.52%	4.48%	4.44%	4.40%
-7%	155,541,131	4.79%	4.74%	4.69%	4.65%	4.60%	4.56%	4.52%	4.48%	4.43%	4.39%	4.35%
-8%	153,868,646	4.74%	4.69%	4.64%	4.60%	4.56%	4.51%	4.47%	4.43%	4.39%	4.35%	4.31%
-9%	152,196,160	4.69%	4.64%	4.59%	4.55%	4.51%	4.46%	4.42%	4.38%	4.34%	4.30%	4.26%
-10%	150,523,675	4.63%	4.59%	4.54%	4.50%	4.46%	4.41%	4.37%	4.33%	4.29%	4.25%	4.21%
-11%	148,851,190	4.58%	4.54%	4.49%	4.45%	4.41%	4.36%	4.32%	4.28%	4.24%	4.20%	4.17%
-12%	147,178,705	4.53%	4.49%	4.44%	4.40%	4.36%	4.32%	4.27%	4.23%	4.20%	4.16%	4.12%
-13%	145,506,219	4.48%	4.44%	4.39%	4.35%	4.31%	4.27%	4.23%	4.19%	4.15%	4.11%	4.07%
-14%	143,833,734	4.43%	4.38%	4.34%	4.30%	4.26%	4.22%	4.18%	4.14%	4.10%	4.06%	4.03%
-15%	142,161,249	4.38%	4.33%	4.29%	4.25%	4.21%	4.17%	4.13%	4.09%	4.05%	4.02%	3.98%
-16%	140,488,764	4.33%	4.28%	4.24%	4.20%	4.16%	4.12%	4.08%	4.04%	4.00%	3.97%	3.93%
-17%	138,816,278	4.27%	4.23%	4.19%	4.15%	4.11%	4.07%	4.03%	3.99%	3.96%	3.92%	3.89%
-18%	137,143,793	4.22%	4.18%	4.14%	4.10%	4.06%	4.02%	3.98%	3.95%	3.91%	3.87%	3.84%
-19%	135,471,308	4.17%	4.13%	4.09%	4.05%	4.01%	3.97%	3.93%	3.90%	3.86%	3.83%	3.79%
-20%	133,798,822	4.12%	4.08%	4.04%	4.00%	3.96%	3.92%	3.89%	3.85%	3.81%	3.78%	3.74%

Full Pool was June of 2019