

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

DOCKET NO.: 23-J-0067; AMS-DA-23-0031

Before the Honorable Jill Clifton, Judge

---000---

Zionsville, Indiana

December 6, 2023

---000---

Reported by:

MYRA A. PISH, RPR, C.S.R. Certificate No. 11613

TRANSCRIPT OF PROCEEDINGS December 06, 2023 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING APPEARANCES: 1 2 FOR THE USDA ORDER FORMULATION AND ENFORCEMENT DIVISION, USDA-AMS DAIRY PROGRAM: 3 Erin Taylor 4 Todd Wilson Brian Hill Michelle McMurtray 5 FOR THE MILK INNOVATION GROUP: б 7 Charles "Chip" English Ashley Vulin 8 FOR THE NATIONAL MILK PRODUCERS FEDERATION: 9 Nicole Hancock Brad Prowant 10 FOR SELECT MILK PRODUCERS, INC.: 11 12 Ryan Miltner 13 FOR INTERNATIONAL DAIRY FOODS ASSOCIATION: 14 Steve Rosenbaum FOR THE MAINE DAIRY ASSOCIATION: 15 16 Dan Smith 17 ---000---18 19 (Please note: Appearances for all parties are subject to 20 change daily, and may not be reported or listed on 21 subsequent days' transcripts.) 22 23 ---000---24 25 26 27 28 TALTY COURT REPORTERS, INC. 9778 taltys.com - 408.244.1900

TRANSCRIPT OF PROCEEDINGS

| | TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900 | | 9779 |
|--------|--|------|------|
| 8 | | | |
| 7 | | | |
| 6 | | | |
| 5 | | | |
| 4 | | | |
| 3 | | | |
| 2 | | | |
| 1 | | | |
| 0 | | | |
| .0 | | | |
| . / | | | |
| .6 | | | |
| .5 | | | |
| 4 | | | |
| 3 | | | |
| 2 | | | |
| 1 | | | |
| 0 | | | |
| 9 | | | |
| 8 | 000 | | |
| 7 | | | |
| б | | | |
| т 5 | AFTERNOON SESSION | 9896 | |
| 4 | MORNING SESSION | 9782 | |
| ∠ 3 | SESSIONS WEDNESDAY, DECEMBER 6, 2023 | PAGE | |
| 1 2 | MASTER INDEX | | |
| - | | | |

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

| 1 | MASTER INDEX | | |
|----|--|--------------|----|
| 2 | WITNESSES IN CHRONOLOGICAL OF | RDER | |
| 3 | WITNESSES: | PAGE | |
| 4 | Dr. Scott Brown: | | |
| 5 | Direct Examination by Ms. Hancock | 9784 | |
| 6 | Cross-Examination by Mr. Rosenbaum Cross-Examination by Mr. English | 9820 9861 | |
| 7 | Cross-Examination by Mr. Smith Cross-Examination by Ms. Taylor | 9869 9883 | |
| 8 | Cross-Examination by Mr. Rosenbaum Cross-Examination by Ms. Taylor | 9916 9921 | |
| 9 | Redirect Examination by Ms. Hancock | 9922 | |
| 10 | Joe Carson and Dr. Joseph Shockey: | 0000 | |
| 11 | Direct Examination by Mr. English Cross-Examination by Ms. Hancock | 9932 9966 | |
| 12 | Cross-Examination by Ms. Taylor Redirect Examination by Mr. English | 9979 9997 | |
| 13 | | | |
| 14 | Michael Sumners: | 10 000 | |
| 15 | Direct Examination by Mr. English Cross-Examination by Mr. Miltner | 10,006 | |
| 16 | Cross-Examination by Ms. Taylor | 10,014 | |
| 17 | 000 | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| | | • | |
| A | TALTY COURT REPORTERS, IN taltys.com - 408.244.1900 | し . | 97 |

| NATIONAL | | | TING | ORDER | PRICIN | NG FORMULA | HEARING | 00, |
|----------|------|----|------|-------|--------|------------|---------|-----|
| | | ΜA | SI | ER | INI | DEX | | |

| 1 | MASTER INDEX | | | | | | |
|----|-------------------|-----------------------------------|------------------------------|--------|--|--|--|
| 2 | INDEX OF EXHIBITS | | | | | | |
| 3 | IN CHR | ONOLOGICAL ORDER: | | | | | |
| 4 | NO. | DESCRIPTION | I.D. | EVD. | | | |
| 5 | 421 | NMPF-60 | 9788 | 9925 | | | |
| 6 | 422 | NMPF-60A | 9789 | 9925 | | | |
| 7 | 423 | IDFA-59 | 9829 | | | | |
| 8 | 424 | IDFA-60 | 9839 | 9927 | | | |
| 9 | 425 | United Dairy-001 | 9928 | 9965 | | | |
| 10 | 426 | United Dairy-002 | 9929 | 9965 | | | |
| 11 | 427 | United Dairy-003 | 9929 | 9965 | | | |
| 12 | 428 | United Dairy-004 | 9929 | 9965 | | | |
| 13 | 429 | Shockey-001 | 9930 | 9966 | | | |
| 14 | 430 | Shockey-002 | 9930 | 9966 | | | |
| 15 | 431 | Trihope-001 | 9999 | 10,006 | | | |
| 16 | 432 | Hau-001 | 10,020 | | | | |
| 17 | 433 | IDFA-57 | 10,022 | | | | |
| 18 | 434 | IDFA-58 | 10,022 | | | | |
| 19 | | | | | | | |
| 20 | | 000- | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |
| 25 | | | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| | | | | | | | |
| | K | TALTY COURT RE taltys.com - 40 | PORTERS, INC. 08.244.1900 | | | | |

WEDNESDAY, DECEMBER 6, 2023 -- MORNING SESSION
 THE COURT: Let's go back on record.
 We're back on record. It is 2023, December 6th.
 It's Wednesday. It's day 41 of this proceeding.

5 Who would like to acquaint me with how we will 6 begin?

7 MR. ENGLISH: This is Chip English with the Milk
8 Innovation Group.

9 If I may, we have communicated this to USDA and to 10 National Milk.

When we went off the record last night, we were asked about some of the dairy farmer witnesses, and the answer is that we, having discussed with the dairy farmer witnesses, are going to want National Milk to go forward with Dr. Brown, Dr. Scott Brown.

And then the order would be, after Dr. Scott
Brown: Mr. Joe Carson and Joe Shockey. Joe Carson for
United Dairy; Joe Shockey who is a dairy farmer who ships
to United Dairy. Then Mr. Mike Sumners, S-U-M-N-E-R-S.
And then Mr. Hau from Mapleville Creamery, H-A-U.

It is perhaps my turn to take the optimistic position, that we anticipate finishing all of those today. And then in addition, if any extra time, having a flex witness that I'll let Mr. Rosenbaum speak to, from IDFA.

But that is -- that is our intention. All of that
testimony was submitted overnight.

I will say that early this morning Mr. Sumnersindicated to us that he had done some modest rewriting,



1 some of it was just some typos, and we expect that to be 2 re-submitted shortly. MR. ROSENBAUM: Your Honor, Steve Rosenbaum for 3 4 the International Dairy Foods Association. Assuming the completion of the witnesses that 5 Mr. English has identified, we will be calling next Mike 6 7 Brown. Mr. Brown is relatively flexible, and so if we 8 don't have time to start him today, he might not be the first witness tomorrow because others are less flexible, 9 10 but we will let everyone know today. 11 THE COURT: Thank you. 12 Are there any other preliminary matters? 13 I see none. I'm going to ask you to state and 14 spell your name. 15 THE WITNESS: My name is Scott Brown, S-C-O-T-T, 16 B-R-O-W-N. 17 THE COURT: And you are referred to as "Dr."? 18 THE WITNESS: Correct. 19 THE COURT: And in what field is your doctorate? 20 THE WITNESS: I have a Ph.D. in agricultural 21 economics. 22 THE COURT: Have you previously testified in this 23 proceeding? 24 THE WITNESS: I have not. 25 THE COURT: I'd like to swear you in. 26 11 27 11 28 11



TRANSCRIPT OF PROCEEDINGS

December 06, 2023

| | TRANSCRIPT OF PROCEEDINGS December 06, 2023 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING |
|----|--|
| 1 | SCOTT BROWN, Ph.D., |
| 2 | Being first duly sworn, was examined and |
| 3 | testified as follows: |
| 4 | DIRECT EXAMINATION |
| 5 | BY MS. HANCOCK: |
| б | Q. Nicole Hancock for National Milk. |
| 7 | Good morning, Dr. Brown. Thank you for being here |
| 8 | today. |
| 9 | Would you before we begin talking about your |
| 10 | testimony, would you provide your business address for the |
| 11 | record? |
| 12 | A. Yes. It's 1100 University Avenue, Columbia, |
| 13 | Missouri, 65211. |
| 14 | Q. Thank you. |
| 15 | I'd like to first start off by talking about your |
| 16 | professional background. Could you start with your |
| 17 | education and then let us know what you have done in your |
| 18 | professional career. |
| 19 | A. Yeah. So I would have received a bachelor's |
| 20 | degree in agricultural business from Northwest Missouri |
| 21 | State University, and then went to the University of |
| 22 | Missouri and received both a master's degree and my Ph.D. |
| 23 | in agricultural economics. |
| 24 | Much of my professional career has been doing |
| 25 | quantitative dairy policy analysis. I have been |
| 26 | associated long-term with the Food and Agricultural Policy |
| 27 | Research Institute at the University of Missouri, where we |
| 28 | really stand ready to to provide Congressional ag |
| × | |



committees analysis of farm policy as they debate farm
 bills.

Q. And then tell us about your professional career.What have you done in your profession?

So a lot of the work that I have done, so running 5 Α. an econometric model that analyzes livestock and dairy 6 7 policy, so I -- I'm broader than just dairy. But using a 8 combination of econometric model to help analyze policies, 9 and, again, spent a lot of time working with House and 10 Senate ag committee staff as they write farm policy, to 11 help them understand quantitatively what changes in policy 12 might mean to the industry. I don't go to advocate pro or 13 con for policy, really just trying to educate about what's 14 the quantitative results of the -- of potential policy 15 changes.

16 Q. And who are you employed by now?

17 A. Employed -- sorry.

Q. Yeah. Who is your employer?

19 A. Yeah. I am employed by the University of20 Missouri.

Q. Do you have any other employment?

22 A. No.

18

21

Q. Do you have a separate consulting company oranything like that that you work through?

A. So I do have an LLC, Global Ag Model, thatoccasionally work will go through that LLC.

Q. And as you sit here today, who are you doing yourwork on behalf of, which employer or which role?



TRANSCRIPT OF PROCEEDINGS

| 1 | A. So it is the University of Missouri. It was a |
|----|--|
| 2 | grant between National Milk Producers Federation and the |
| 3 | University of Missouri for this work. |
| 4 | Q. Okay. Are you being paid to be here today? |
| 5 | A. I am not. |
| 6 | Q. And are you here to advocate on behalf of any |
| 7 | party or any proposal or any position? |
| 8 | A. I am not. Only here just to share quantitative |
| 9 | results from some model runs that I have made. |
| 10 | Q. Okay. Similar to the role that you performed when |
| 11 | you were providing your modeling analysis for Congress |
| 12 | when they are writing policy as well? |
| 13 | A. Exactly the same role. |
| 14 | MS. HANCOCK: Okay. Your Honor, at this time we |
| 15 | would ask that Dr. Brown be recognized as an expert in |
| 16 | agricultural economics, dairy policy analysis, with a |
| 17 | specialization in econometrics modeling. |
| 18 | THE COURT: Is there any objection? |
| 19 | There is none. |
| 20 | Dr. Brown, I do accept you as an expert in |
| 21 | agricultural economics, dairy policy analysis, especially |
| 22 | with regard to econometrics modeling. Thank you. Thank |
| 23 | you. |
| 24 | THE WITNESS: Thanks. |
| 25 | BY MS. HANCOCK: |
| 26 | Q. Dr. Brown, before you move into your testimony |
| 27 | MS. HANCOCK: And, Your Honor, we have two |
| 28 | exhibits to mark here, one being his written statement and |
| | |

1 one being his presentation.

2 BY MS. HANCOCK:

Q. Dr. Brown, I would like to know, what is it that you were asked to do before you put together your testimony in your presentation?

Yeah. 6 Α. So it was to look at a number of options 7 that National Milk was looking at in terms of Federal 8 Order Reform. This was work that was done back in --9 well, completed back about September of 2022. It would 10 have looked at changes in Make Allowances, changes in skim 11 milk components, move back to the higher-of in terms of 12 the Class I mover, and then changes in Class I 13 differentials.

Q. Okay. And so you performed your analysis onbehalf of National Milk, you said in September of 2022?

16 A. That is correct, before what would have been their17 annual meeting in 2022.

18 Q. And what did you understand was the use of the19 work product that you had provided to National Milk?

A. It was -- I think was to be used for them to decide how they wanted to move forward. They wanted to see what proposed changes they were thinking about, I would -- what I would say, the impacts of those changes were going to be.

Q. Did anybody tell you where they were hoping to gowith those results before you performed your analysis?

A. They did not.

28

27

Q. Did you have any kind of pre-determined outcome



1 that you were asked to achieve or any -- any kind of 2 quidance that directed the results of your study, other than just the numerical inputs? 3 4 No -- yes. They gave me the assumptions that I Α. needed to run each of the scenarios, and I then delivered 5 that back to National Milk Producers Federation when I was 6 7 completed. And has anybody scrubbed or modified any of your 8 Ο. 9 data in a way that would minimize any negative information 10 that came out of that modeling? 11 Α. They did not. MS. HANCOCK: Your Honor, if we could mark 12 Exhibit NMPF-60, which is Dr. Brown's written statement, 13 14 as the next exhibit. 15 THE COURT: I believe that would be 421. 16 (Thereafter, Exhibit Number 421 was marked 17 for identification.) 18 MS. HANCOCK: And then if we could mark the 19 PowerPoint as the next exhibit, I believe that it -online it is posted as NMPF-60A. My version has NMPF-59 20 21 on it. 22 THE COURT: Mr. Hill? 23 MR. HILL: Yes. And it does have to be renumbered 24 for NMPF because there is an NMPF-59 already for 25 J.D. Heiskell's statement. 26 THE COURT: All right. So this will be renumbered 27 as NMPF-60A. 28 MS. HANCOCK: And we'll resubmit it so that it is



| 1 | properly labeled for the electronic version, so our record |
|----|--|
| 2 | will be correct, and the online version will be corrected |
| 3 | as soon as we can make that change. |
| 4 | THE COURT: Excellent. |
| 5 | I'm going to go off record for just a moment while |
| б | I receive my copies of those two exhibits, and the witness |
| 7 | will also need copies, although he's going to be looking |
| 8 | at his laptop, I believe. |
| 9 | MS. HANCOCK: I think he has copies, Your Honor. |
| 10 | THE COURT: All right. Good. |
| 11 | (An off-the-record discussion took place.) |
| 12 | THE COURT: All right. I'm looking at |
| 13 | Exhibit 421, which is NMPF-60; and 422, which is NMPF-60A. |
| 14 | (Thereafter, Exhibit Number 422 was marked |
| 15 | for identification.) |
| 16 | THE COURT: You may proceed. |
| 17 | MS. HANCOCK: Thank you, Your Honor. |
| 18 | BY MS. HANCOCK: |
| 19 | Q. Dr. Brown, did you prepare Exhibit 421, your |
| 20 | written statement, in support of the analysis and the |
| 21 | conclusions that you reached for the modeling work that |
| 22 | you did for National Milk? |
| 23 | A. Yes, I did. |
| 24 | Q. Okay. And then did you also prepare Exhibit 422 |
| 25 | as a PowerPoint presentation to summarize the contents of |
| 26 | your written statement and the modeling work that you did |
| 27 | in 421? |
| 28 | A. That is correct. |
| | |



1Q. And are you prepared to provide us with your2presentation to summarize those results?

A. I am.

3

6

Q. Okay. If you would go ahead and proceed, and then we'll follow up with just a few questions.

A. Thank you.

7 So I want to start this morning just talking a 8 little bit about the FAPRI-MU Dairy Model, and a little 9 bit of the origins when you look back at the history of 10 FAPRI. So these were models that really came from USDA 11 back in the early 1970s. A lot of the very first 12 documentation I saw was from folks working in the Economic 13 Research Service of USDA back then.

My work in the dairy model really started during the 1990 Farm Bill debate. I have been involved in most -- in all the farm bills since the 1990 Farm Bill debate. It has been used extensively as dairy policy's been debated on the Farm Bill.

I recall one time during a Farm Bill debate
getting a call asking for analysis from the chief of staff
of one of the ag committees who relayed to me, "Scott, we
need you to answer the correct" -- or I shouldn't say the
correct -- "the direct payment program that you think
works best under these set of scenarios that we have put
together for you."

And my response was, "Well, how long do I have to work on that analysis?"

28

And the chief of staff said, "Well, the members



are next door working on some other things, so you have
 about three hours to provide that analysis," which can put
 you in a scary situation trying to do analysis on the fly.

But the decision was, whatever I told them, that was going to be the direct payment program that they chose to use for that particular analysis. That did not become final law at the end of the day, but certainly been in the process of farm policy.

9 And as I look at other farm bills, I see some
10 pretty familiar language in the final text that might have
11 a fingerprint or two of mine on it.

I will say, FAPRI itself really started as an annual appropriation from Senator Tom Eagleton back in the early 1980s. I used to proudly say we were the longest running agricultural earmark in the Federal Government until earmarks went away. With removal of earmarks, we became an authorized policy center and have received funding through that authorization ever since.

19 FAPRI has certainly been recognized for its work 20 in -- in agricultural policy. In the early 1990s we would 21 have received, from The American Association of 22 Agricultural Economics, the Distinguished Policy 23 Contribution Award. We have also been recognized by USDA 24 for the work that we have done in dairy policy as well.

25 So the system that we have developed is, in many 26 ways, similar to the modeling approach used by the 27 Congressional Budget Office in that we are all trying to 28 look at the cost and expected changes of farm policy for



1 | the next ten years into the future.

The model's had other uses as well. You know, I mentioned some of the work that has been related to dairy promotion that I believe Dr. Capps talked about earlier in this hearing as well. So the model's received work outside of Farm Bill work as well.

7 The model itself is an annual model. That is as 8 much a result of the way farm bills have been written in 9 the past in that we're looking at the cost and expected 10 impacts of those farm bills ten years into the future. 11 When you look at the individual equations, it's a mix of 12 estimated equations as well as imposed relationships. Ι 13 sometimes say those imposed relationships could be as 14 simple as identities that take milk cows times milk yield 15 to give us milk production, and in other cases we may have 16 imposed elasticities on the model based on what we see out 17 in the literature related to whatever equation that we're 18 working on.

On the supply side, it is a state-level model where it's primarily driven by milk prices, as well as the cost of production.

On the demand side, we do demand at the national level. The model is a dynamic partial equilibrium model. It is a combination of Excel spreadsheet and then the statistical package SAS that we use to estimate and simulate the model.

I always like to remind us that the model is asimplification of the reality of the complication of the



dairy industry today. There's no way that I can replicate all of the detail that exists in the dairy industry.

The dairy model's always changing. As we do analysis, as we do forward-looking baselines, we're looking for areas where the model could be made better, and we invest our time each year doing that kind of work related to making, hopefully, the model better at some points in time.

9 Having done this for over three decades, it's a
10 slow process in terms of the evolution to make the model
11 better, but I've spent a lot of time thinking about the
12 pros and cons of -- of how to make changes to better
13 address some of the questions that we need.

I always say, I need the model to be simple enough to relay to a lay audience, but at the same time, rigorous enough to pass muster with my colleagues as agricultural economists around the country.

So I spend time with these key elasticities for you, just because they are very important to the results that you get when you begin to run scenarios. I start with the supply side, so although we do state-level supply side, we're actually estimating regional dairy cow equations.

You will see the two-letter state abbreviations on the right side that tell you what states are in each of those regions, but we're estimating at the regional level cow numbers; we're estimating at the state level milk yields.



1

2

1 I will say that when you look at the supply side, 2 cow numbers are fairly inelastic with terms of response in the short run --3

THE COURT: Now, I'm going to slow you down 4 because this information is extremely important and dense, so just talk more slowly, please.

7

5

6

THE WITNESS: I will slow down.

THE COURT: When you said numbers of cows are 8 9 fairly -- it's very often difficult to tell whether the 10 speaker has said "elastic" or "inelastic." So would you take it from there again, please? 11

12 THE WITNESS: I will. When you look at the dairy 13 cow equations, they are very inelastic. When you look at 14 a short-run elasticity, and we'll pick the southern states 15 here, short-run elasticity of .05, it says to changes in 16 milk prices or milk receipts, we get very small response 17 in the first year on terms of dairy cows. Now, those 18 equations do have lag-dependent variables in them, so the 19 longer run elasticity is larger. I would still 20 characterize it as reasonably inelastic.

21 When you look at the elasticities on the 22 right-hand side, those are production per cow elasticities 23 with respect to milk prices. Also very inelastic in the 24 case of Kentucky, in the very upper right-hand corner of 25 that block of southern states of .02. So, again, some response to milk yields as prices go up in the current 26 27 year, but not much response longer-term.

28

When I do -- all right. So oftentimes, I'm



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

looking at who are others that are out there building
 similar models and what do their elasticities look like?

USDA's Economic Research Service staff recently 3 4 published their own documentation of a dairy model that structurally looks similar to the dairy model that I have. 5 And their cow elasticity at the U.S. level, short run, is 6 .031, to give us a point of comparison, and their 7 8 elasticity in terms of milk yields, .016. So very similar relative to the FAPRI framework and what I see from the 9 Economic Research Service documentation. 10

11 The demand side elasticities are also very 12 important to the mix. Again, I will characterize the 13 products. So you see here the demand side products at the 14 national level: Butter, nonfat dry milk, American cheese, other than American cheese, fluid milk. And then we have 15 16 other milk fat and other skim solids demand equations. Τf 17 I look, for example, at what we're running as an own-price 18 elasticity for fluid milk, it is a minus 0.12, also 19 relatively inelastic.

Income elasticities matter as well, especially when we're talking about the baseline that we're doing. But I'd characterize the dairy model's current version as becoming more inelastic over time, as we have looked at adding more observations to the estimation period. Both the supply side has become more inelastic and the demand side has been more inelastic.

We tend to estimate single equations, ordinaryleast squares estimation. The retail equations tend to be



estimated in double-log format so that we can interpret
 the parameters as the elasticities.

A little bit of comparison to other results. So USDA's documentation from 2023, they show a fluid own-price elasticity of minus .035; they show a cheese price elasticity of minus .066; and a butter elasticity of minus .056.

8 Let's just, as I conclude here, remind us that the 9 scenarios that I'm going to show depend critically on 10 these elasticities and will affect the magnitude of the 11 results.

12 So this work for National Milk Producers 13 Federation was, in fact, a grant agreement between NMPF 14 and the University of Missouri that was entered into in 15 mid-2022. FAPRI traditionally turns out a baseline in 16 March of each year, so long-term ten-year forward-looking 17 baseline in March of each year. We really didn't start 18 the National Milk work until about August of 2022, so we 19 did some updating to the March FAPRI baseline by taking 20 input from National Milk Producers Federation and other 21 industry stakeholders.

If you recall, 2022 prices for milk were much -moved much higher than I think many of us would have thought early in 2022, so a lot of those adjustments that -- that were made had -- had to do with aligning to what was a more positive beginning of 2022. We'll look a little at some of the results of this baseline in the next slide or two.



And then it's to impose these five scenarios, making initial adjustments in 2023. We know we haven't met the deadline to make policy -- make Federal Order changes this year, but back when that work was done in 2022, it was actually started as a scenario beginning 2023.

7 Initial adjustments were made. If any of the 8 proposals talked about additional further adjustments that 9 might occur depending on the data that was available, 10 those were not incorporated. So it's just the beginning 11 changes that the parties of the proposals would have 12 talked about.

So I always like to remind us of the difference between a baseline and forecast. If -- if I was forecasting, I might not use models like this. I also have learned very early on that I should not go trade in futures markets based on the baselines put together by FAPRI.

So I -- I go -- I am trying to find what I think is an accurate reflection of what the future of the industry looks like, but it's difficult because so many things are changing as we go through time.

23 So here is the U.S. all-milk price from the 24 deterministic portion of the baseline. I always say, you 25 can see what's a long-term U.S. all-milk price that's 26 about \$19.75 per hundredweight over the period, just to 27 remind us of the changes that were made as we interacted 28 with NMPF and industry stakeholders, was really about a 25



to \$0.30 increase in that U.S. all-milk price at the end of the day long-term. The adjustments in the short-term were a little larger, just reflecting on the current market situation.

When I -- when I talk about the baseline process 5 6 as well, so FAPRI goes through a very long process of 7 generating a preliminary long-term baseline that usually occurs in November of each year. We then invite 8 9 stakeholders, primarily other economists that would run 10 models similar to this, to come in and critique, tell us what they see that we didn't do well, or that they think 11 12 we have missed in terms of how the baseline is put 13 together.

So we try to take that industry and other expert input into creating the final baseline that then eventually gets turned out, again, usually in March of the following year.

One of the real changes that I think is important for us to talk about as we see a lot more volatility in dairy markets today is I just can't do deterministic point estimate analysis of some of these proposals. It matters to how these different proposals affect the volatility.

23 So the line that you see in front of you, again, 24 is, thus, now stochastic. All right? So I want to take 25 500 alternative futures around the deterministic baseline 26 that would look at historical weather deviations,

27 historical changes in international demand, for example,28 and then other things like macro factors as well, as a way



to talk about what is the distribution of possible
 outcomes relative to that deterministic baseline.

So the line is a cumulative density function, for 3 4 those that want to get into statistics this morning. Some of you may be much more familiar with the old bell-shaped 5 curve that comes from a probability distribution function, 6 7 but this is just cumulative as you go left to right. You 8 see the 500 outcomes across the horizontal axis, where you 9 see the prices on the vertical axis. I sometimes 10 summarize this graph by saying, I think milk prices will be somewhere between \$15 and \$30 per hundredweight. 11

I -- I think it's important to understand that there's a lot of volatility to where prices are today, and we need a modeling approach that handles that volatility. The problem, when we go to the stochastic approach, is how to get the information out and across in a simple manner.

17 Just to give you a little bit of flavor of what 18 that means. So I was looking at roughly about 380 19 variables that we forecast out of the dairy model that we 20 have today, ten years into the future, and there are 500 21 outcomes for each year. That's 1.9 million data points. 22 There's no way I could cover 1.9 million data points, so 23 I'm going to be summarizing that information, but I want you to get a sense of the breadth of what's available in 24 25 the modeling approach.

26 So why -- why stochastics? What really started 27 the stochastic process was, I think staff, especially ag 28 committee staff, got really good about saying, if I'm



going to have to do a change in policy relative to a deterministic baseline, if I set the trigger just a little bit below the baseline, it would have very little cost. So they learned very quickly that, hey, I can kind of almost game, if you will, or -- or position those changes in a way that minimizes cost, because it's going to be looked at relative to a deterministic baseline.

When we look at stochastics, we get a much wider distribution, and I think that gives us a better estimate of the cost of some of these proposals.

The tails of these distributions -- so when I say 11 12 "tails," if you look on the left side of this graph from 1 13 to 51, so the first 10% of outcomes, what that tail looks 14 like matters immensely to some of the information that we 15 get out, as well as the tail on the right-hand side. Τf 16 they're normally distributed, which this one probably 17 looks fairly normally distributed, then may be less of a 18 problem. But when you think about it from a cost 19 standpoint, sometimes the cost side of this is not 20 normally distributed when you look at the end.

21 So I'm going to give you a flavor of the proposals 22 that I looked at for National Milk, and in no particular 23 order. So I looked at each of the first five of these 24 individually, and then combined them altogether.

25 You know, number one was an increase in
26 Make Allowances --

27THE COURT: I'm going to interrupt you just a28moment. So the people who may be looking at the



8

9

10

transcript in the future will have an idea that we're now
 on page 9 of Exhibit 422.

And you may proceed.

3

4

THE WITNESS: Thank you.

5 So -- so the first proposal here was to increase 6 Make Allowances. You see the butter Make Allowance of 7 \$0.21, as well for nonfat dry milk for cheese \$0.24, and 8 then for dry whey 23, so Proposal 7.

9 Number two for my analysis was what happens if we
10 discontinue the use of barrel cheese and the protein
11 component price formula.

12 Option three for me was the return to the 13 higher-of the Class I skim price mover, so Proposal 13, 14 which again, I will say that's one where analyzing this 15 stochastically is very important.

16 Updating the milk, skim milk component price17 factors for Class III and Class IV, Proposal 1.

And then the fifth one would have been
Proposal 19, which was to impose the Class I differential
surface that National Milk has put together.

21 And then last is to look at all of these scenarios 22 together.

23 So I'm going to look, first of all -- bear with me 24 for one minute because my PowerPoint skipped a couple of 25 the slides here that apparently -- so I'm going to start 26 by looking at the effects of increasing Make Allowances.

27 And again, I'll say, so this is a systemwide 28 approach of the effects. So the table that I have in



1 front of you is a table that shows the changes in the 2 different prices listed in the table relative to the 3 baseline. This is the -- often the way that we look at 4 FAPRI analysis. We're trying to peel that onion back of 5 just what's the small -- shouldn't say small -- but what's 6 the change just from changes in Make Allowances separating 7 out everything else from that.

And in the case of increasing Make Allowances, you 8 9 know, I start by, number one, the Class III milk price 10 decline is \$0.33. Now, that already has built into it effects from the rest of the model, so lowering the 11 12 Class III prices did lower the all-milk price \$0.30 in the 13 first year. That gives us some modest supply response. 14 That modest lower supply response then also ends up with 15 less manufactured products on the marketplace, and 16 raising, then, wholesale prices for dairy products that 17 enter those class -- minimum class price formulas.

18 So we minimize in some ways the increases in 19 Make Allowances because dairy product prices are higher 20 than where we were in the baseline because we have some 21 slight reduction in milk production.

As the supply side, milk production, allowed to adjust more fully across the years, you begin to see that the effects on the all-milk price or the minimum class prices go down from their initial change in 2023. And so by the end of the period we talk about, the results show a U.S. all-milk price change of \$0.04 per hundredweight lower under these higher Make Allowances, and you see then



the corresponding changes in the minimum Federal Order
 class prices as well.

The second scenario looked at, again, was removing barrel cheese from the protein component price formula. So under that approach, I was really looking at historically, what's the spread between barrel and block cheese prices to adjust the formula.

And in this case, you see in 2023 that the minimum 8 Class III price increases \$0.37 per hundredweight in the 9 10 first year. That generates higher U.S. all-milk prices of 11 \$0.15, which, again, would slightly increase milk 12 production, milk supplies, creates a few more manufactured 13 products in the first year, which drives down wholesale 14 dairy product prices, and that's why we see a Class IV, 15 for example, that's -- that's lower under that scenario.

As production, milk production, is allowed to respond longer-term, we start to see some of those results move back towards closer to the baseline. And by 2032, U.S. all-milk price is \$0.02 per hundredweight above where they were under the baseline; Class III price is \$0.22 per hundredweight higher than where they were under the baseline.

Looking at the distribution of -- so this is the change in Class III prices scenario less baseline. There were a few outcomes where leaving the barrel price in might have generated a higher Class III price. Not very many of those observations existed historically.

There's also the other end of the tail. So here's



28

a good example of, you look at this cumulative density function, and it is not normal. You see the tail on the right-hand side has a lot more tail to it. But on average, we were talking -- the results show about \$0.35 higher Class III prices under the scenario of removing barrel cheese than what we would have seen with barrel cheese in the formula.

8 I'm going -- it's just trying to skip another
9 slide here for me.

10 So the higher-of. So remember the baseline is one 11 that continues current policy. So in this case we had the 12 Class I mover as the average-of Class III, Class IV plus 13 \$0.74, as was passed in the 2018 Farm Bill. The scenario 14 then goes back to the higher-of for the Class I mover. 15 This would be Proposal 13.

The results here, in 2023, the Class I mover going into the higher-of was \$0.48 per hundredweight higher in 2023, and that generates some additional milk supplies as a result. That lowers Class III and Class IV prices under this scenario relative to the baseline. Here, longer-term we're talking about a U.S. all-milk price in 2032 that was \$0.02 per hundredweight higher.

Those averages -- all right. So these are the average results. Now if we start to look at some of the distribution, I think here is where we can find some interest in the analysis as well.

I have given you, in this slide, the distribution
between Class III and Class IV prices. I have imposed a



1 minus \$1.48 per hundredweight and plus \$1.48 per 2 hundredweight, because when you are within that band of those blue lines, taking the average plus \$0.74 likely 3 4 returns higher -- a higher Class I mover. Yet, trying to make the point that given the volatility that we have seen 5 in the marketplace and the stochastic baseline process 6 7 that we use, when you look at the gold line that moves 8 outside the upper or lower bounds of those black lines, we 9 have a situation where the higher-of returns a higher 10 value than using the average plus \$0.74.

I sometimes like to characterize this of, which is 11 12 better, it all depends on the exact path over the next ten 13 But relative to this stochastic baseline process vears. 14 that we have together, it will suggest there's a lot more 15 tail outside of the \$1.48 to minus \$1.48 per hundredweight 16 band. That would suggest the higher-of might return a 17 higher Class I mover price. But if you do this kind of 18 analysis deterministically, you are going to miss what I 19 think is a very important piece of the higher-of.

20 I look back to when we first put the higher-of in place in the early 2000s, and I don't think we clearly 21 22 understood the potential implications of a higher-of 23 process, despite we thought that was a very good approach 24 to the process. And I -- I don't say this being critical 25 of that. It's just when I take the higher of two prices, it gives me the opportunity for, I think, some additional 26 27 higher Class I mover than any other combination that I 28 might want to think about.



1 I bin these together -- all right, so for those of 2 you that are tired of seeing cumulative density functions this morning, just to put them in bins of a hundred for a 3 4 minute, and now I'm talking about the actual Class I mover So think of the first hundred bins on the 5 level. left-hand side. So first bin is the first hundred 6 7 outcomes averaged together on the left-hand side. The bin 8 5 was the highest 500, if you will, on the right-hand 9 side.

Just binning those together just reminds me to say, on the ends, we certainly end up with higher Class I mover under the higher-of relative to the baseline, which again, is -- is what we have passed in the 2018 Farm Bill. If you are in the middle bin, bin 3, and also bin 4, we see in a situation where what we passed in the 2018 Farm Bill would return a higher Class I mover.

The next slide is the impacts of updating the skim milk solids component, Proposal 1. Again, we're going to, under this scenario, talk about what are higher minimum class prices. Class III price, for example, is \$0.07 higher in the first year of the analysis 2023. It results in a U.S. all-milk price that is \$0.05 higher the first year as well.

As the supply side modestly increases production to those higher milk prices, we tend to moderate the results. And by the end in 2032, we're talking about a U.S. all-milk price that's one penny above where it was under the scenario.



Then the last single one here of Class I 1 2 differentials. These Class I differentials were provided to me by order from National Milk Producers Federation. 3 I 4 show the Class I mover in this case, in this table, to be consistent with the other proposals that I have looked at 5 here this morning, but you know on top of that Class I 6 mover are going to be the higher differentials under 7 8 Proposal 19.

So if we wanted to think about a minimum Class I 9 10 price, I'm sure for every order that's going to be higher instead of what's a Class I mover that is lower. However, 11 12 when we talk about the first year of the analysis, U.S. 13 all-milk prices are \$0.17 per hundredweight higher, 14 generates some additional production, and drives down 15 minimum class prices as a result of then lower wholesale 16 dairy product prices. Again, more milk supply response 17 longer-term tends to moderate the impacts on the all-milk 18 price, so it's only up \$0.02 by the time we get to 2032, 19 yet those individual minimum class prices are still below 20 by 30 to \$0.40 per hundredweight when we look at the end 21 results for these higher Class I differentials.

And I close this morning just to make sure that we look at all five of these proposals together at the same time. I like to remind us, so the model is nearly linear, it's not absolutely linear. So you just can't take the simple average of the five individual impacts and come up with the all-scenario line that is at the bottom.

28

Now, in this case the table is, U.S. all-milk



price changes for each of the five outcomes: Make Allowance change, remove barrel cheese, higher-of Class I mover, update the skim solids, and then Class I differentials. So now we're just looking in each of this data as only the effect on the U.S. all-milk price.

6 But when you look at all those scenarios taken 7 together, the first-year impacts are for \$0.09 per 8 hundredweight higher U.S. all-milk price. And, again, 9 supplies respond to that higher price, and by the time 10 we're out to 2032, we're talking about U.S. all-milk 11 prices that are about \$0.03 per hundredweight higher at 12 the end.

And I think that summarizes from my PowerPoint, mytestimony.

15 BY MS. HANCOCK:

16

Q. Thank you, Dr. Brown.

I just want to follow up on a couple of points that you raised in your testimony. And maybe I'll start with the summary, if you want to pull that back up because you still have that handy.

THE COURT: Again, just for someone reading the transcript, we're in Exhibit 422, the last slide, which if you have a paper copy, is page 18.

24 BY MS. HANCOCK:

Q. When you are looking at the summary of all scenarios, that -- that's capturing if all five of National Milk's proposals were adopted and in a final decision as they are proposed today; is that right?



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

A. That is correct.

1

Q. Based on the numbers and the modeling that you did, if National Milk's proposals were put in place, is it going to turn the dairy industry on its head and destroy the dairy industry?

A. That is not the summary of the model results that7 I would have conducted, no.

Q. Okay. And what is your -- what is your takeaway
when you look at the results of all five of those
proposals being put forth?

11 Α. So modest impacts on average from those five 12 proposals, I think it's important to realize that, you 13 know, as we make those changes, there are differences and 14 maybe modernization to some of the factors that haven't 15 been changed for decades that are important. But in terms 16 of the overall impacts, I always like to remind us that 17 the industry adjusts oftentimes to whatever changes we're 18 trying to make from a policy perspective, and I think the 19 model reflects that -- that adjustment, whether it is 20 increase in milk supplies or et cetera. But the actors 21 within the industry adjust to whatever policy changes we 22 want to make.

Q. Are there policy changes that could be madethat -- that don't acclimate over time?

A. So, absolutely. You know, I think that the very
latest kind of discussion would have been back in the 2014
Farm Bill, and there was a lot of discussion when the
margin protection program was put in place that it needed



supply management associated with it. If you are going to
 do that kind of supply management, that those impacts stay
 with you in the industry longer-term.

So there are policies that we can change that would move the industry to a different place. But I often say many of the policies that we can talk about affect the path, so where is the industry headed long-term? You can change the path to the long-term, but it probably does not change the long-term outcome of the industry all that much.

Q. And based on your review and analysis of the changes that are proposed by National Milk, would any of those have a long-term impact that would alter the course of the dairy industry?

A. It does not appear there would be on the model.

Q. I want to talk about your work in -- in the annual
Congressional report that you are involved in.

18

15

Can you tell me about that?

19 So -- yes. A work that I have been doing with Α. 20 Dr. Capps for about the past five or six years, I -- so 21 under that work, I have been taking what's Dr. Capps' 22 estimates of both the promotion impacts, as well as then 23 the elasticities he gets from the different dairy 24 products, realigning my structural model to his 25 estimation, and then simulating to generate the returns 26 that we see from promotion under that work.

Q. Okay. And so you are analyzing the -- the
promotion programs for Congress; is that right?



1 2

17

A. That is correct.

2 Q. And the effectiveness of those programs to help 3 Congress evaluate whether they should be used in the 4 future?

Α. That's correct. So Dr. Capps would be doing the 5 6 estimation of those direct impacts. We're then imposing 7 that into the FAPRI system to help understand the total 8 impacts of what did producers have to put in, or what did 9 market participants have to pay in terms of those 10 promotion programs, and then what's ultimately the payoff 11 from those programs. So I'm kind of the second stage, if 12 you will, of that work that Dr. Capps does on the 13 estimation side.

Q. And as part of those estimations, Dr. Capps and you look at the elasticities of the milk, of the total milk; is that fair?

A. That is correct.

Q. Can you tell me what information is used toevaluate those elasticities?

20 So I -- I will take from Dr. Capps' Α. Yes. 21 estimation, both his estimates of the own-price 22 elasticity, and then the impacts of dairy promotion gets 23 introduced into the annual framework as well. Those are 24 the two pieces for me that, then, I will take the 25 simulation model and incorporate, and then run these 26 alternatives scenarios.

Q. And in the work that you have done, you said thatyou have been doing it for the last five years with



1 Dr. Capps? 2 Α. Yeah, roughly the last five years is when I became involved. I think Dr. Capps has been doing it for a 3 longer period of time, but it was an add to his work to be 4 able to talk about the BCRs from doing that work. 5 And what's a BCR? 6 Ο. 7 Α. It's really just the return on investment from 8 dairy promotion. That's -- that's ultimately what that 9 project is trying to do. What's the -- what's the return 10 of dairy promotion expenditures for the industry? Q. 11 Is the -- is your plan to continue to work with 12 Dr. Capps in the future as well? 13 That is the current plan. Α. 14 Ο. Okay. 15 At least until I retire, that's my --Α. 16 And you have -- you were involved in -- in the Ο. 17 Congressional report that was most recently published in 18 September of 2023 that covered the time period from 1995 19 through 2020; is that right? 20 That is correct. Α. 21 And do you recall what the elasticity conclusion 0. 22 was in that report to Congress? 23 So I believe the fluid own-price elasticity, if Α. 24 that's the one we're going to make reference to, so less 25 elastic than what was in the current version of the FAPRI 26 model as I recall, somewhere a little less than minus .05. 27 Ο. Okay. I think Dr. Capps testified that it was 28 negative .038.



2

3

4

1

Does that sound correct?

A. It does sound familiar.

Q. Okay. And since that time, have you been involved in analyzing the elasticities since then?

5 A. So we are -- have worked on the update that would 6 be through 2021 as well that's not publicly available at 7 this point.

8

Q. Have they gone up or have they gone down?

So they haven't -- I will just say, characterize 9 Α. 10 it as they haven't changed a whole lot. When you are talking about a minus .038, that is very inelastic, which 11 12 really means consumers seem to have very little response 13 to changes in fluid milk prices. If anything, I think we 14 continue to get more inelastic, which is, frankly, not any 15 different than when I look at my own work over the last 16 three decades of what's been retail fluid elasticities 17 that have continued to be smaller, more negative over 18 time.

Q. And the Judge had made a note earlier that it's really important for our transcript to be able to hear the difference in what you are saying between elastic and inelastic, so I want to make sure that our record is very clear on this.

Are you saying that -- that the total milk price for own-price elasticities has gone even more inelastic?

26 A. That is correct. More inelastic over the period27 where I have been looking at estimations.

28

Q. Okay. So even from a report that would estimate



the elasticities of milk up through 2020, if we were to 1 2 update that through today, you have not seen anything that would be credible in order for you to conclude anything 3 4 different than -- than dairy prices are highly inelastic? When you look at the dairy promotion work that we 5 Α. have been doing, that's correct. 6 7 0. Okay. And I think that we -- are you familiar 8 with the work that -- that Dr. Kaiser did for National 9 Milk in evaluating the elasticities? 10 So somewhat familiar, yes. Α. And you understand that he concluded the same 11 Ο. 12 thing, that if dairy price -- or that total milk was 13 highly inelastic? 14 Α. Yes. 15 And he took the totality of 38 different studies, 0. 16 and took the median and the mean averages, and used the 17 totality of those to draw that conclusion. 18 Were you aware of that? 19 Yes, I am. Α. 20 Is that a methodology that you believe is standard Ο. 21 in the industry to determine and evaluate elasticities? 22 Α. I think it has a lot of advantages in the 23 And I look at it this way, I work in a soft approach. 24 science world. As much as I sometimes now wish I would 25 have gotten my Ph.D. in a hard science where things might 26 have been more black and white, I'm working with data that 27 has a lot of noise beyond what I'm trying to measure in 28 that data.



And so being able to look at a number of different ways to approach how you -- how to estimate fluid milk elasticities, I think is important. We should be looking at all the information that's available from those experts that have been out there publishing the literature different ways to estimate elasticity -- own-price elasticities.

8 Q. So you are saying that taking the collection of 9 the various peer-reviewed studies into account when you 10 are evaluating those elasticities is important to factor 11 in all of the noise or variables that happen.

A. Correct. I think it's hard to look at one
analysis and draw serious conclusions. Looking at all of
them, I think they all offer opportunities for us to think
about the best own-price elasticity estimates.

Q. And, obviously, you have been working pretty
closely with Dr. Capps over the last five years using
elasticity analysis for the dairy industry; is that right?

A. That is correct.

20 Q. In the work that you have done with Dr. Capps, 21 have you ever been involved in any studies with him where 22 you have collectively concluded that the total price of 23 dairy products was elastic?

24 25

19

A. I have not been involved with him.

Q. And are you familiar with the testimony that he gave at this hearing?

A. I am -- I'm somewhat familiar with that testimony,
yes.



NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

1 Ο. And are you familiar with the methodology that he 2 used in analyzing the IRI dataset? 3 Α. Yes. I think it's called Circana now. 4 0. Yes. Correct. 5 Α. And what is your understanding about what the use 6 0. 7 of that dataset is and the methodology he was using? So number one, we're -- I believe he was looking 8 Α. at weekly data in -- in that IRI data. There are 9 10 advantages here of being able to see a number of different 11 dairy products, and so maybe breaking it into those 12 different types of fluid milk is important. So it's 13 another approach to estimating fluid milk elasticities 14 that one should be looking at. I think more and more we have an opportunity to 15 16 see scanner data today that in the past wasn't 17 availability to us, to look at different ways to estimate 18 elasticities. 19 And that weekly analysis, what -- what would be 0. 20 the benefit of looking at it on the weekly level capturing 21 the IRI data for the retail data that it captures? 22 Α. Yes. So for me, getting really short-term, 23 getting up against the current situation, if I can have 24 weekly observations, I could get a -- I would have a lot 25 more observations to do estimation with that are closer to 26 where the industry might be today. I think that's some of 27 the benefits of taking that weekly approach. It's a 28 direct measure of sales that I think sometimes has some



advantages relative to some other data sources available
 to us to think about the consumption side.

Q. And if we look at the total supply chain from the farm all the way to the retail outlet, it gives you a capture of the lens that's happening just at the retail side for the a limited subset of products; is that right?

A. That's correct. We're only going to look at
retail sales data there, which is going to miss some of
the other fluid consumption that's occurring in the
industry.

Q. Okay. And so it might be a value to a retail outlet when they are trying to determine if the market would absorb a price increase if they're tired of taking it as a loss leader product, for example?

15 A. Absolutely. And I think the other benefit here is 16 that provides us the opportunity look at those alternative 17 beverages as well and to see what kind of cross-elasticity 18 impacts those have.

19 Q. And when you are doing your Congressional reports, 20 when you are analyzing policy for Congress, what is the 21 measure of time that you are looking at for those reports?

A. Yes. So there we're looking at -- so to the dairy promotion work that I'm doing with Dr. Capps, he is estimating quarterly elasticities. We're still using the annual framework from the FAPRI system in the portion of the work that I'm doing.

Q. And as you sit here today, are you aware of anyrecommended changes to the annual reporting and



3

4

5

6

methodology that you and Dr. Capps were using for setting
 policy for Congress?

A. I'm not aware of any.

3

7

8

9

Q. And what do you believe is the appropriate measure
of time and scope for use in evaluating policy decisions
that affect the dairy industry?

A. I think given the history of how we have handled dairy policy, doing it on an annual framework has been the most normal way of addressing policy change.

10 Q. Okay. And is there a reason why you think that 11 the retail outlet and the weekly measurements would not be 12 appropriate for setting policy?

13 So I think it is -- it's important to think about Α. 14 what the annual response is. That weekly data is much 15 I think most of us would agree that weekly shorter. 16 elasticities are going to show more elastic response than 17 annual elasticities will show because consumers could 18 choose one week to forego dairy sales. Over an annual 19 period, we start to level out some of that more lumpiness 20 that we might find in the weekly data.

21 Q. And is it also fair to say that if you are going 22 to be making policy changes and recommendations that you 23 want to have more than just a limited subset of data, you 24 would want to have the entire dairy market analyzed?

A. Absolutely. We want to know the effects relative to total fluid milk demand, and I think we want it on a time step that's similar to the approach we're going to take to analyze that policy as well.



Q. And that's the -- that's what you do for the
 Congressional reporting?

A. That is correct.

Q. And that is the elasticity basis and conclusion that you used for purposes of your analysis that you did for National Milk; is that right?

7

3

4

5

6

A. That is correct.

Q. And you stated on -- when you were on page 5 of Exhibit 422 when you were talking about the key elasticities, you stated that those elasticities are -excuse me -- that the model that you were running was critically dependent on the elasticities that were built into the model; is that right?

14

A. That is correct.

Q. And do you feel confident that the elasticities that you built into this model accurately reflect the elasticity analysis for the current dairy industry?

A. Given my long-term experience, I feel like those
are the best elasticities to use for conducting this kind
of policy research.

Q. And does that incorporate the most recent
elasticity results that were reported in that
September 2023 USDA report?

A. So I think, again, that would be the case where I would have used Dr. Capps' own-price elasticity. Very similar, very inelastic as well. More -- in fact, more inelastic than what I might use, or that I do use in the policy work that I'm doing for Farm Bill options.



1 Ο. And so that was somewhere in the range of negative 2 .038 or less? That's correct. 3 Α. MS. HANCOCK: At this time, Your Honor, that's all 4 the questions that I have. We would make Dr. Capps 5 available for cross-examination. 6 7 I'm sorry, I said Dr. Capps, I meant Dr. Brown. Ι would love to have Dr. Capps back for more 8 9 cross-examination. But we would make Dr. Brown available for 10 11 cross-examination. I'd like to take a five-minute stretch 12 THE COURT: 13 Let's see, a little longer than five, please. break. 14 Please be back and ready to go at 9:25. 15 (Whereupon, a break was taken.) 16 THE COURT: Let's go back on record. 17 We're back on record at 9:25. 18 Cross-examination may begin. 19 Would you identify yourself, please. 20 CROSS-EXAMINATION 21 BY MR. ROSENBAUM: 22 Dr. Brown, my name is Steven Rosenbaum. Ι 0. 23 represent the International Dairy Foods Association. 24 Good morning. 25 Α. Good morning. 26 I want to start with just a question of Q. 27 clarification. 28 In your PowerPoint presentation, do you have a

copy of that? 1 2 Α. I do. Which is Exhibit --3 Ο. THE COURT: 422. 4 5 BY MR. ROSENBAUM: 6 Ο. -- 422. On page 6 you state, in the first bullet point, "The work on Federal Milk Order scenarios was 7 8 conducted in 2022 under a grant agreement between NMPF and 9 the University of Missouri." 10 Do you see that? 11 T do. Α. 12 Ο. And that's a reference to the work on Federal Milk 13 Order scenarios that is your testimony today, correct? 14 That's correct. Α. 15 Did you perform that in 2022? Ο. 16 Yes, I did. Α. 17 0. Okay. Okay. Now, are you aware that National 18 Milk has changed its proposal since 2022? And I have 19 specific reference as to Proposal 19 with regard to the 20 increase in Class I differentials, where they have changed 21 their request as to what the increase in Class I 22 differentials should be. 23 So my question is, does your scenario and analysis 24 that you present today reflect the actual National Milk 25 proposal as submitted after the changes they made in 2023, 26 or, instead, does it reflect the numbers that National 27 Milk had had in mind back in 2022? 28 Α. So it does reflect the final numbers. So I did



| | NATIONAL FEDERAL MILL MARKETING ORDER PRICING FORMULA HEARING |
|----|---|
| 1 | analysis on a set of Class I differential changes back in |
| 2 | September of 2022, that I then came back in very early |
| 3 | 2023 and updated to the final ones. |
| 4 | Q. Well, when in 2023 did you do that work? |
| 5 | A. That would have been done in January of 2023. |
| б | Q. All right. And if the record would disclose that |
| 7 | National Milk, in fact, made changes in those January 2023 |
| 8 | numbers, and that the numbers they actually submitted |
| 9 | reflected numbers they did not develop until June 2023, |
| 10 | would that indicate that you, in fact, have not used in |
| 11 | your analyses the final National Milk numbers? |
| 12 | A. So if there were changes after the work that I did |
| 13 | in early 2023, it would not be incorporated, that is |
| 14 | correct. |
| 15 | Q. And so you have no view, I take it, as to what |
| 16 | impact those changes would have on your final numbers? |
| 17 | A. That is correct. |
| 18 | Q. All right. |
| 19 | MR. ROSENBAUM: Let me, if I could ask that a copy |
| 20 | of Hearing Exhibit 13 be made available to the witness. |
| 21 | USDA REPRESENTATIVE: Exhibit 13? |
| 22 | MR. ROSENBAUM: 13. |
| 23 | And, Your Honor, I have a document that I would |
| 24 | like to if I could approach the witness with as well, a |
| 25 | separate document, but I need him to look at both. |
| 26 | THE COURT: All right. But have you had a chance |
| 27 | to give opposing counsel a look at what you are about to |
| 28 | show him? |
| | |



1 MR. ROSENBAUM: I'm going to give it to everyone 2 at the same time. Yes, Your Honor. THE COURT: Oh, okay. 3 Fine. Now, both the witness and the Judge have record 4 copies of Exhibit 13, and we must make sure we return that 5 when this questioning is completed. 6 7 THE WITNESS: All right. 8 BY MR. ROSENBAUM: 9 So I want to start with the question of Ο. 10 eliminating barrels from the calculation of the protein 11 price. Okay? 12 And if you turn to page 7 of your written 13 testimony, which is Hearing Exhibit 421, you have a 14 heading that says "Discontinue the use of the barrel 15 cheese price." 16 Do you see that? 17 Α. Yes. 18 All right. And the first document I have given 0. you is called "The Current Use of the Barrel and Block 19 20 Cheese Prices in the Federal Milk Order System." I'm not 21 going to mark this as an exhibit because I've just 22 replicated verbatim the regulation, but I did this just so 23 it would be handy. Obviously, we don't need to put 24 regulations into the record. 25 But this is the definition of the protein price. 26 Do you see that in the regulation? 27 Α. Yes. 28 And the -- the -- what it says in the first part Ο.



NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING 1 of it is, "The protein price per pound, rounded to the 2 nearest one-hundredth cent, shall be computed as follows: (1)Compute a weighted average of the amounts 3 4 described in paragraphs -- " THE COURT: More slowly, please. 5 6 MR. ROSENBAUM: Sorry. Thank you, Your Honor. 7 BY MR. ROSENBAUM: "-- compute a weighted average of the amounts 8 Ο. 9 described in paragraph (n)(1) &i and &ii [sic] of this 10 section." 11 And then &i [sic]: "The U.S. average NASS survey 12 price for 40-pound block cheese reported by the Department 13 for the month; and 14 "&ii [sic] The U.S. average NASS survey price for 15 500-pound barrel cheese" -- "cheddar cheese (38% moisture) 16 reported by the Department for the month plus \$0.03." 17 Do you see that? 18 Α. Yes. 19 And is that your understanding -- and then it goes 0. 20 on from there to deal with the Make Allowance, but I'm not 21 going to -- that's not the subject of my questioning here. 22 So is that your understanding as to how the 23 protein price currently works? 24 Α. Yes. 25 Okay. And so if I could now draw your attention 0. 26 to Hearing Exhibit 13, which I have asked to be shown to 27 you. 28 And if you turn to page 7, and what's described as



Proposal 3. This is the document by which USDA has, if you will, redlined the current regulation to explain what the proposals will do. This is the National Milk proposal in the barrel-block cheese issue.

5 And basically, do you see that the proposal is 6 simply to eliminate the participation of the barrel price 7 from the formula?

A. Yes.

8

12

9 Q. And that would simply mean that the formula would 10 continue as is, except it would now exclusively use the 11 block price to set the protein price?

A. Yes.

13Q. Okay. Just -- I'm -- this is just orientation to14make sure we're all on the same page about this proposal.

15 So now let's go back to your written testimony on 16 page 7 under the heading "Discontinue the use of the barrel cheese price." And I just want to read the key 17 18 language, which is what's right under that guote: "This 19 scenario removes the barrel cheese price from the protein 20 component price formula. The effects of this scenario 21 depend on the barrel cheese price relative to the block 22 cheese price. Looking at historical relationship of the 23 barrel cheese price to the block cheese price over the 24 2000 to 2022 period, including barrel cheese prices into 25 the protein component price formula would have resulted in 26 a higher price less than 3% of the time. In about 10% of 27 the historical observations eliminating the barrel cheese 28 price would have raised the Class III milk price by \$0.75



per hundredweight or more. For most of the historical period, the effect of removing the barrel cheese price on the Class III price was an increase of zero to \$0.75 per hundredweight. This distribution of the impact is important to this particular analysis, as the exact difference between block and barrel cheese price is essential to the results."

8

9

Do you see that?

A. Yes.

Q. And every time you refer to the historical observations in this section that I have read, I take it you are referring to the 2000 to 2022 period; is that correct?

14

20

A. That is correct.

Q. Okay. And when you say in the last sentence, "This distribution of the impact is important to this particular analysis," your reference to "particular analysis" is to your analysis in your report of the impact of eliminating the barrel price from the formula, correct?

A. That is correct.

Q. Now, obviously, we know what the barrel price and the block cheese prices were between 2000 and 2022, correct?

24 A. Yes.

Q. And so we also know what the block price and thebarrel price plus \$0.03 was, correct?

27 A. That is correct.

28

Q. And that's how the formula actually works,



1 | correct?

2

A. That is correct.

MR. ROSENBAUM: Your Honor, I now have a document. I would like to approach the witness, and I'm going to ask that this document be marked with the next Hearing Exhibit.

7 THE COURT: All right. But before you do that, 8 when you read from the document that you say you do not 9 want to have as an exhibit because it's just the 10 regulation, a couple of times as you read through it, you 11 used the term "ampersand," and I didn't understand your 12 use of that with regard to what you were reading.

Would you have any objection to our making part of the record what you read?

MR. ROSENBAUM: Not at all. And if I misused the term, I stand corrected. I believe that means the -- if you will, the little i and two little ii, that term "ampersand," but if I'm wrong about that. But in any event, I have no objection to marking that as a Hearing Exhibit, Your Honor.

21 THE COURT: I think the ampersand is the symbol 22 for "and."

23

MR. ROSENBAUM: Then --

THE COURT: And I do think the easiest way to understand the little i and the two little i's is just to say that.

27 But Ms. Hancock had a Latin term that I'm not 28 familiar with that also describes those little i's on a



1 previous occasion. 2 MS. HANCOCK: Romanette. MR. ROSENBAUM: Romanette. Your Honor, it's --3 THE COURT: Romanette. 4 MR. ROSENBAUM: -- Romanette, and I stand 5 6 corrected. That was my mistake. 7 THE COURT: And I couldn't even remember what she had said because I have never heard it before. 8 9 MR. ROSENBAUM: I was mixing up my phrases, Your 10 Honor. But I - in any event, I certainly have no 11 12 objection to marking that, if that's preferred, Your 13 Honor. 14 THE COURT: All right. I think that's the best 15 way for the -- I think that's the best way. 16 Now, also we have got it correct in Exhibit 13, 17 so -- so that also could be how the problem is solved. 18 MR. ROSENBAUM: Well, Your Honor, in that case, 19 let's just rely on Exhibit 13 as the correct language. THE COURT: All right. Good. Thank you. I think 20 21 that's an excellent way to go, and that is on page 7 of 22 Exhibit 13. 23 All right. Now you may deal with this next 24 exhibit. 25 MR. ROSENBAUM: All right, Your Honor. I will 26 distribute this to the -- copies. 27 THE COURT: Let's go off record for just a moment 28 at 9:38.



December 06, 2023

TRANSCRIPT OF PROCEEDINGS

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

| 1 | (An off-the-record discussion took place.) |
|-----|--|
| 2 | (Thereafter, Exhibit Number 423 was marked |
| 3 | for identification.) |
| 4 | THE COURT: Let's go back on record. |
| 5 | We're back on record at 9:39. |
| 6 | Mr. Rosenbaum, I have marked this exhibit as |
| 7 | Exhibit 429, IDFA Exhibit 59. |
| 8 | You may proceed. |
| 9 | All right. Exhibit 423, IDFA-59. Thank you. |
| 10 | BY MR. ROSENBAUM: |
| 11 | Q. Dr. Brown, I will let me just explain this |
| 12 | document. |
| 13 | As we were discussing a moment ago, your |
| 14 | discussion of the discontinuance of the use of the barrel |
| 15 | cheese price references the period from 2000 to 2022, |
| 16 | correct? |
| 17 | A. I think it's yes. You are correct. |
| 18 | Q. And so from pages 1 through 9 let me start that |
| 19 | question again. |
| 20 | For pages 1 through 8 we have simply copied |
| 21 | information from either the NASS dairy products prices |
| 22 | report, that's for the period 2000 through 2012, or the |
| 23 | National Dairy Products Sales Reports, that's from 2012 to |
| 24 | 2022. And that's those are the documents that set |
| 25 | forth the data that are used to set the protein price. |
| 26 | So as you will see, there is a separate entry for |
| 27 | each month. |
| 28 | Do you see that? |
| ×., | |

1 Α. Yes. 2 Ο. And you are aware that the protein price is based upon a weighted average of the block price and the barrel 3 price plus \$0.03, correct? 4 Α. Yes. 5 6 0. And so what we have done here is simply copied, 7 under the Column B, the weighted average; Column A 8 obviously is the month, as announced by the government, 9 that's the weighted average as announced by the 10 government; Column C is the announced block price; 11 Column D is the announced barrel price; Column E is the 12 announced barrel price plus \$0.03, which is what is 13 actually used to set the formula. 14 Do you see all of that? 15 Α. Yes. 16 And then in Column G we have compared the 0. Okav. 17 block price to the barrel price. 18 Do you see that? 19 Α. Yes. 20 And in Column -- and if the difference is black --Ο. 21 the different -- let me just say, the difference is in 22 black color when the block price was higher than the 23 barrel price, and it's red when the block price is less 24 than the barrel price. Okay? 25 Α. Okay. 26 Do you see that? Q. 27 Then the next column, Column H, is the block price 28 versus the barrel price plus \$0.03.

| 1 | Do you see that? |
|----|---|
| 2 | A. Yes. |
| 3 | Q. And this is actually what is used strike that. |
| 4 | And once again, it's the barrel price plus \$0.03 |
| 5 | that actually is used in the formula. |
| 6 | Do you see that? |
| 7 | A. Yes. |
| 8 | Q. And then Column once again, it's black when the |
| 9 | block price was higher than the barrel price plus \$0.03, |
| LO | and it's red when the block price was lower than the |
| 1 | barrel price plus \$0.03. Okay? |
| 2 | That last column, Column I, that's the block price |
| _3 | versus the weighted average. It's black when the block |
| _4 | price is higher than the weighted average, and it's red |
| 15 | when the block price is lower than the weighted average. |
| 6 | So if you look at Column H, you can see how many |
| L7 | months the block price was higher than the barrel price |
| 8_ | plus \$0.03, those are the black ones, and how many times |
| 9 | the block price was lower than the barrel price plus |
| 20 | \$0.03, and those are red. Okay? |
| 21 | And then finally, if you go to the very end of |
| 22 | page 8, once again in Column H, there's a summary. |
| 23 | Do you see that? |
| 24 | And what this shows is that if you look at those |
| 25 | months, the block price was higher than the barrel price |
| 26 | plus \$0.03 only 37% of the time, 101 times out of |
| 27 | 276 months. That's Row 310. |
| 28 | Conversely |
| | |



| | TALTY COURT REPORTERS, INC. 9832 taltys.com - 408.244.1900 | |
|----|---|--|
| 28 | between your testimony and this data, assuming its | |
| 27 | Q. Do you have any explanation for the discrepancy | |
| 26 | suggests. | |
| 25 | A. So that's what the data you have in this table | |
| 24 | time as you indicate, but 63% of the time? | |
| 23 | price formula resulted in a higher price not 3% of the | |
| 22 | that, in fact, including the barrel price in the protein | |
| 21 | Q. But doesn't the data I just showed you indicate | |
| 20 | A. Yes. | |
| 19 | Do you see that? | |
| 18 | than 3% of the time." | |
| 17 | price formula would have resulted in a higher price less | |
| 16 | including barrel cheese prices in the protein component | |
| 15 | page 7 where you say, "Over the 2000 to 2022 period, | |
| 14 | Q. Okay. So now I take you back to your testimony on | |
| 13 | A. Yes, I see those numbers. | |
| 12 | Do you see that? | |
| 11 | is in Row 311. | |
| 10 | Row 314. And that represents 175 of the 276 months, which | |
| 9 | than the block price 63% of the time. That's shown in | |
| 8 | Conversely, the barrel price plus \$0.03 is higher | |
| 7 | Row 313 for the percentage of months, 37%. | |
| 6 | Q. That's Row 310 for the number of months and | |
| 5 | BY MR. ROSENBAUM: | |
| 4 | MR. ROSENBAUM: Yes. | |
| 3 | examination. | |
| 2 | part is where you are getting to the importance of your | |
| 1 | THE COURT: Wait, wait. Go slowly, because this | |

1 accuracy? 2 Α. So I will say don't forget we're talking about a scenario impact here. So the figure -- sorry -- the -- my 3 4 PowerPoint presentation, page 12, was the reference of the results of eliminating the barrel cheese price. So 5 there's those changes happening from the rest of the 6 7 system as well as just the simple historical arithmetic. But your testimony explicitly references the 2000 8 Ο. 9 to 2022 period and purports to represent that including 10 the barrel price only resulted in a higher price 3% of the time. 11 12 That was the discussion of the historical reality, 13 wasn't it? 14 That was the results of the analysis assuming that Α. 15 historical block versus barrel. 16 Weren't you, in your statement, purporting to say Ο. 17 that the participation of the barrel price in setting the 18 protein price during the period 2000 to 2022, only 19 resulted in a higher price less than 3% of the time? 20 Isn't that what your statement says? 21 So I -- again, I refer to the PowerPoint Α. 22 presentation where it shows page 12 of the change in the 23 Class III price scenario minus baseline in -- in those --24 in that outcome relative to what's written in my written 25 statement here. 26 But that's a projection forward from 2022 through Q. 27 2032, correct? 28 So that is correct. The combination of historical Α.



differences between block and barrel cheese prices appropriately weighted on top of the scenario is what results in what is Figure 12 -- sorry -- page 12 of the PowerPoint presentation.

Okay. You agree with me that from the historical 5 0. 6 perspective, assuming the accuracy of the numbers I have shown you in IDFA Exhibit 59, which is Hearing 7 8 Exhibit 423, from a historical perspective, going all the way from 2000 to 2022, which is, I believe, the entire 9 10 period when that formula has been in use -- still in use 11 today -- including the block price resulted in a -- excuse me, start that question again. 12

Do you agree with me that from the historical period of 2000 to 2022, which is the entire period the formula's been in effect -- of course, it's now still in effect -- including the barrel cheese price resulted in a higher price 63% of the time, not 3% of the time?

A. So according to this historical data in the table, yes. Again, the information I'm providing is not only taking that historical data as some base, but then running the scenario of removing the barrel cheese price, which I think is creating the difference in the answer that you are seeing.

Q. Well, we'll get to in a minute to what effect this has on your projections, but certainly you would concede that your statement on page 7 is just incorrect?

A. So maybe interpreted differently than it was
written. But, again, we're talking -- I'm trying to talk



1 about the impacts of removing barrel cheese price over the 2 2023 to 2032 period. Okay. Let's skip down to the couple sentences 3 Ο. further on page 7 where you say -- you see the sentence 4 that begins, "for most of the historical period"? Do you 5 6 see that? 7 Α. I'm sorry, can you repeat that? The sentence that begins "for most of the 8 0. Yes. 9 historical period." 10 Do you see where I am? It's a little more than 11 halfway down the first paragraph. 12 Α. Yes. 13 So just reading that quote, "For most of Ο. Okav. 14 the historical period, the effect of removing the barrel 15 cheese price on the Class III milk price was an increase 16 of zero to \$0.75 per hundredweight." 17 Do you see that? 18 Α. Yes. 19 And isn't it fair to say that, in fact, the data Ο. 20 that I have shown you in Hearing Exhibit 423 indicates 21 that 63% of the time the effect of removing the barrel 22 cheese price would have resulted in a negative number, not 23 an increase in the protein price? 24 So the data that you provided me, that's, yes, Α. 25 what it looks like. Again, I'm trying to look over the 26 forecast period of that scenario relative to the baseline. 27 Ο. But -- but you're sort of selling the -- if you 28 will, the advantages of the proposed formula change by



representing on page 7 of Exhibit 421, that had this 1 2 change been in effect from 2000 through 2022, it would have increased the protein price, and yet that's just not 3 4 right. Isn't that fair? 5 6 Α. I think you are interpreting what's written there 7 differently than maybe the intention of what was meant to 8 be said there. 9 And you -- and just for completeness purposes, I 0. 10 will call your attention to page 9 of Hearing Exhibit 423, 11 the one that I presented, where we simply translated the data to be annual data, in case that somehow was the 12 13 issue, the use of annual data versus monthly. 14 But if you look at Column H, do you see that going 15 to Rows 32 and 33, eliminating the barrel price from the 16 formula would have increased the protein price only 26% of 17 the time, but decreased the protein price 74% of the time, 18 correct? 19 I see that in your table. Α. 20 0. Okay. And so you would agree with me that the use 21 of annual versus monthly data does not have a material 22 effect on the data; is that fair? 23 That's what your table shows. Α. And after telling us on page 7 about the purported 24 Ο. 25 historical impact, had it been in effect, of the 26 elimination of the barrel cheese price, you conclude, 27 quote, "This distribution of the impact is important to 28 this particular analysis as the exact difference between



1 block and barrel cheese price is essential to the 2 results." Do you see that? 3 4 Α. Yes. And I assume that historical data is part of what 5 0. 6 the calculation is for purposes of making your projections 7 in the future? Making draws off that historical period, yes. 8 Α. 9 Okay. Let's switch to another topic. Ο. 10 THE COURT: Before you do, Mr. Rosenbaum, let's go 11 to the bottom of page 9 where you indicate your data 12 sources, and I want to know which parts of Exhibit 423 13 were reported by NASS. 14 MR. ROSENBAUM: You are asking me, Your Honor? 15 THE COURT: Yes. 16 MR. ROSENBAUM: Your Honor, I believe that B, C, 17 D -- well, let me start again. Columns A, B, C, D, and E are all reported 18 19 numbers, and then the rest are simply literally pluses or 20 minuses -- I mean, by "the rest," I mean, G, H, and I are 21 simply pluses and minuses with respect to what's in B, C, 22 D, and E. 23 THE COURT: All right. And when I said "NASS," I 24 see part -- some of the years were from NASS and some of 25 the years were from the National Dairy Product Sales 26 Report. 27 MR. ROSENBAUM: Yes, Your Honor. The entity 28 within USDA that reported this number switched in 2012,



1 but it's the same number. 2 THE COURT: All right. And then how did the software that you utilized for the adding the numbers and 3 so forth do the calculation? Did you use a particular 4 kind of a spreadsheet or --5 6 MR. ROSENBAUM: This is an Excel spreadsheet, Your 7 Honor. And, Your Honor, Mr. Brown, Mr. Mike Brown --8 9 sorry, our other Mr. Brown, who will be our first 10 witness -- put together the document. I'm intending to ask him about it. So I -- I think I know the answer to 11 12 your question, but I would prefer to have him answer them 13 to make sure they are absolutely correct. 14 THE COURT: All right. Thank you. All right. 15 And you wanted now to leave this subject and bring us a 16 new document. 17 MR. ROSENBAUM: I don't have any -- I'm literally -- I'm leaving the block barrel subject. I 18 19 don't have another document to use quite yet, Your Honor. THE COURT: Okay. 20 21 MR. ROSENBAUM: I just have some questions. 22 THE COURT: Understood. Thank you. 23 BY MR. ROSENBAUM: 24 Okay. So let's talk about a bit about FAPRI and Ο. 25 its methodology, if we could. 26 So I think you have said this already. I'm -- I 27 think you say it in your report, that FAPRI is often 28 called upon to assess the impact of proposed policy

| | NATIONAL F | EDERAL MILK MARKETING ORDER PRICING FORMULA HEARING | |
|----|---|---|--|
| 1 | changes | affecting agriculture, correct? | |
| 2 | Α. | Correct. | |
| 3 | Q. | And to do that analysis, you will utilize a base | |
| 4 | case ma: | rket outlook, and then which FAPRI creates, and | |
| 5 | then assess how that outlook would be affected if certain | | |
| 6 | proposed policy changes are changed, correct? | | |
| 7 | А. | That is correct. | |
| 8 | Q. | I didn't say that quite right. | |
| 9 | | If certain proposed policy changes are adopted, | |
| 10 | correct | ? | |
| 11 | Α. | Yes, that is correct. | |
| 12 | Q. | And and that's and every every year FAPRI | |
| 13 | prepare | s what they call a U.S. Agricultural Market | |
| 14 | Outlook | , correct? | |
| 15 | Α. | That is correct. | |
| 16 | Q. | And I'm going to mark it. | |
| 17 | | THE COURT: Let's go off record while we deal with | |
| 18 | the : | identifying the document that's being distributed. | |
| 19 | | We'll go off record at 9:59. | |
| 20 | | (An off-the-record discussion took place.) | |
| 21 | | THE COURT: Let's go back on record. | |
| 22 | | We're back on record at 10:00 a.m. | |
| 23 | | Mr. Rosenbaum, I have marked this document, and | |
| 24 | I'll le | t you identify it in just a moment, as Exhibit 424, | |
| 25 | IDFA-60 | . And you may proceed. | |
| 26 | | (Thereafter, Exhibit Number 424 was marked | |
| 27 | | for identification.) | |
| 28 | /// | | |
| | | | |



NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING BY MR. ROSENBAUM: 1 2 Ο. Dr. Brown, I'm sure you recognize this document. Is this, in fact, the U.S. Agricultural Market 3 4 Outlook published by FAPRI in March 2022? Α. It is. 5 6 Ο. And, in fact, you make reference in your testimony 7 to this particular document, correct? 8 Α. I do. Yes. 9 Okay. And -- and this is a document that -- and I 0. 10 believe -- I believe you testified to this -- this is a 11 document that FAPRI publishes every March, basically, 12 correct? 13 Basically every month. Α. 14 And -- and it's -- it covers a variety of 0. 15 agricultural commodities, including dairy, which appears 16 on page 63 of this particular document; is that right? 17 Α. That is correct. 18 And according to the second page of the document, 0. 19 it doesn't have a number, it's the page that's right after the cover, it states -- it lists people who are 20 21 prepared -- who were participants in preparing the 22 document, correct? 23 Yes, it does. Α. 24 0. And -- and you are listed as one of them, correct? 25 Α. That is correct. 26 And you're responsible for the -- among other Q. 27 things -- the dairy and consumer price projections, 28 correct?



| 1 | A. You are correct. | |
|----|--|--|
| 2 | Q. Okay. Now, what I want to focus on now is your | |
| 3 | testimony on starting on page 4. | |
| 4 | And I take it that you did not simply run the | |
| 5 | National Milk proposals against this baseline as shown in | |
| 6 | Exhibit 424, correct? | |
| 7 | A. That would be correct as well. | |
| 8 | Q. Now, is it, in fact, common when Congress asks you | |
| 9 | to do analyses of the impacts of proposed changes that you | |
| 10 | do, in fact, use the actual baseline as your starting | |
| 11 | point? | |
| 12 | A. A majority of the time, but there have been | |
| 13 | exceptions in the past. | |
| 14 | Q. And the work you did for National Milk was an | |
| 15 | exception, correct? | |
| 16 | A. It was not using the straight March 2022 baseline. | |
| 17 | Q. Okay. And you say that I'm just looking at | |
| 18 | page 4 of your testimony that "the March 2022 dairy | |
| 19 | baseline was modified in July 2022 based on NMPF's staff | |
| 20 | and member feedback." | |
| 21 | Do you see that? | |
| 22 | A. Yes. | |
| 23 | Q. Is it fair for me to interpret that language to | |
| 24 | mean that the only individuals with whom you consulted for | |
| 25 | purposes of making these modifications were | |
| 26 | representatives of National Milk? | |
| 27 | A. That would be correct. | |
| 28 | Q. Okay. And you say that the strike that. | |
| | | |

1 And so you actually ended up developing a new 2 baseline in July 2022 based upon that National Milk participation, correct? 3 Yes. That would be from their feedback starting 4 Α. with the March 2022 baseline. 5 6 0. And -- and this was work that you were doing for 7 purposes of this hearing as opposed, for example, to --8 well, let me just -- I should have put a question mark on the end of that. 9 10 This was work you were doing specifically for 11 purposes of this hearing, correct? 12 Α. It actually was not for purposes of this hearing 13 because it was done in advance of National Milk actually forming an opinion, a decision about what they wanted to 14 15 move forward. So it was done in -- in mid-2022 when I 16 think they were getting ready to talk internally relative 17 to their annual meeting time to decide what proposals they 18 were interested in moving forward. 19 In any event, this was work you were doing 0. 20 specifically for the project that has now culminated in 21 your testimony; is that fair? 22 Α. It was work done relative to the grant entered 23 into with between the University of Missouri and National 24 Milk in mid-2022. 25 And that was work relating to National Milk's Ο. 26 consideration of proposing changes in the Federal Order 27 system, which ultimately have resulted in these hearings, 28 correct?



1 Α. That is correct. 2 Ο. Okay. Now, did you consult with anybody other than National Milk? 3 Are you asking about just the baseline? 4 Α. In -- in coming up with the July 2022 baseline --5 Ο. strike that. 6 7 In -- in relation to the changes you made between 8 the official March 2022 FAPRI baseline, which is 9 Exhibit 424, and the July 2022 baseline that you created. 10 So, no, I did not. I did not. So this was a Α. conversation or discussion back and forth between myself 11 and those National Milk Producers Federation 12 13 representatives about what possible changes needed to be 14 They were not just, "Hey, make this change." It made. 15 was still my ability to push back or say, "It's a change I 16 don't want to make." So it was not just them imposing 17 those changes. 18 And, again, the start of this conversation back in 19 2022 had a lot to do with some changes in market behavior 20 that we did not capture very well in the March 2022 FAPRI 21 baseline. If you look at page 63 of the document that you 22 handed to me, the 2022 U.S. all-milk price that was 23 estimated in March of 2022 of \$22.04 was too low. Markets 24 had moved substantially higher since that work was done. 25 And I -- it was appropriate to talk about the kinds of 26 adjustments that needed to be made to the baseline to make 27 sure it was a more accurate reflection going forward than 28 where we were in March.



1 0. Do you recall what specific changes were made 2 between the official March 2022 FAPRI model that's Exhibit 424 and the model that you then used in July 2022 3 4 to assess the proposals? No, I cannot recall here what exactly was changed 5 Α. 6 along the way in coming up with the amended baseline. 7 0. Is there a list that exists somewhere? 8 Α. No. 9 So if we -- what I'd like you to do is take a look Ο. 10 at page 63 of Hearing Exhibit 424, which is the official March 2022 FAPRI baseline, and Table 2 of your written 11 12 report, which appears on page 5 of Hearing Exhibit 421. 13 And I'm not going to go through all the numbers, but if we 14 just look at the all-milk price, am I correct that for 15 purposes of this study you have done for -- start that 16 question again. 17 If we start with the Hearing Exhibit 424, the 18 official March 2022 document, we have an all-milk price in 19 2022 of \$22.04 as compared to the number that you used in 20 your analysis, which is \$24.85. Α. That is correct, for 2022. But 2022 is not one of 21 22 the analysis years, it's just really the starting off 23 point. 24 So for 2023, the official FAPRI number was \$20, as 0. 25 shown in Hearing Exhibit 424 for the all-milk price, and 26 you used, for purposes of your analysis, or your testimony 27 here, \$21.77, correct? 28

That is correct. And, again, I'll refer back to, Α.



1 as you think to 2022, I believe when it was all said and 2 done, the 2022 annual average U.S. all-milk price would have approached \$26. So we were moving up to much 3 4 stronger prices, and that's really the kickoff point relative to that July update. 5 6 0. Now, I take it that -- and just to complete that, 7 and then I'll ask a couple questions about it. For 2024, just to compare one more set of numbers, 8 9 the all-milk price in the official FAPRI March 2022 report 10 in Exhibit 424 is \$19.13, and that's shown on Table 2 of 11 your report, Hearing Exhibit 421, page 5; you used \$20.34. 12 Is that correct? 13 That is correct. Α. 14 By my rough math, your assumption is 8.85% higher 0. 15 for 2023 and 6.33% higher for 2024. 16 Does that seem about right? 17 Α. I assume your calculations are correct. 18 Okay. So, now, the assumptions that are being 0. 19 used in the March 2022 FAPRI document, Exhibit 424, do 20 those go through some sort of what I'll call peer-review 21 process of some kind? 22 Α. So the vetting process for that baseline will take 23 information about the general macro economy in this 24 country and around the world from what's now S&P Global 25 Market I believe at the time, when in 2022 was -- when 26 this baseline was done. 27 We will have a baseline review in December, that I 28 mentioned in my testimony, that would bring together



1 groups of industry and academic economists to review what 2 we dub our preliminary baseline. So it does undergo a 3 review process trying to come up with what's the most 4 realistic baseline we can with none of us knowing exactly 5 what the future looks like.

Q. I take it that your -- your July 2022 forecast as
7 set forth on Table 2 of Hearing Exhibit 421 did not go
8 through such a review?

9

A. That would be correct.

10 Q. All right. So the March 2022 FAPRI U.S.
11 Agricultural Market Outlook in Hearing Exhibit 424, that
12 is a deterministic --

A. That is not a deterministic outcome. That is the
average of the stochastic outcomes that you see reported
in that table -- table that's on page 63.

Q. Oh, Table 63 is the result of the stochastic?
A. It is the average of the stochastic outcomes.
Q. All right.

19 A. You can look at, for example, page 76 of that 20 document. Although there's nothing specific to dairy, you 21 see corn prices in what's the 90th percentile, the 10th 22 percentile, and then what's labeled as expectation as the 23 mean of the outcomes for corn prices.

This is always the struggle we have in doing stochastic work of how to present this in a way that is easier for those looking at these tables to understand it. Trying to put all of the stochastic information in these kind of baseline documents has been a struggle, just as



what's shown as Table 2 in my written testimony on page 5
 is the average of the stochastic outcomes.

Q. And just to be clear, are you saying page 63 of
Hearing Exhibit 424 is a stochastic document?

5 A. Stochastic averages are being reported in that 6 table.

Q. I thought -- and I -- you're maybe going to tell me I'm wrong -- I thought FAPRI sometimes published a separate stochastic analysis, separate from the annual U.S. Agricultural Marketing Outlook, of which Exhibit 424 is an example.

12

Is that wrong?

A. So the answer is, it depends. I'm a good economist today here when I answer that one for you. But we'll do an August update that is deterministic. So just what's happening in current markets, it's much more short-term in nature.

The document that we -- I'm sorry -- the baseline that we put together that we call our preliminary baseline that normally happens in November that we get reviewed in December, is also a deterministic process. That's how we get feedback on the deterministic baseline. What we turn out in March, then, is the stochastic process.

Q. So I appreciate your clarifying that. A little
less clear on your website, perhaps, but in any event, I'm
sure you are right.

I think the bottom line, then, is that your
employment -- well, a bottom line is that your employment



of stochastic techniques to produce the July 2022 analysis that you used for purposes of this hearing were not intended to be a methodological improvement over what had been done to create the March 2022 Annual Market Outlook; is that fair?

A. That -- so that is correct. It's really just a
better update to the current situation relative to what we
set in March.

9 Perhaps the thing I would say is that having the 10 opportunity to have re-done the March 2022 baseline, maybe 11 we missed some things in what FAPRI was doing back when 12 they turned out that more -- back when we turned out that 13 March baseline. And really, July gave us a chance to 14 correct that before the jumping off and doing any of the 15 scenario work.

So baselines are never completely disentangled from the scenario work that we're doing. So the better we feel about the baseline, of which becomes the yardstick, of which -- against which we'll measure these scenarios, the better I feel about providing those kinds of changes and results.

Q. But in this context here, use of the word "us" in connection with the July 2022 analysis is reference to you?

A. Yeah, yeah. So that should be a reference to me.
My -- so the FAPRI team gets me in the "us" mode
occasionally, but this is work that is my work.

Q. All right. Let me just switch to another topic.



28

TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

1 I take it you have not performed any analysis at 2 all as to whether the National Milk proposals are, themselves, desirable? 3 4 I only provide quantitative assessment, and I Α. really don't advocate pro/con for anything. So this is my 5 quantitative assessment of the proposals that National 6 7 Milk asked me to look at. You are not here as a proponent of the adoption of 8 Ο. 9 any of these proposals; is that fair? 10 Α. That is fair. So let me focus on one particular issue, which is 11 Ο. 12 the proposed change in Make Allowances. Okay? 13 So -- and I just want you to take as a given, I 14 think the record is clear enough on this, that National 15 Milk's proposed changes to Make Allowances are, by 16 National Milk's own admission, not enough to increase the 17 Make Allowances to actually reflect the cost of 18 manufacturing. Accept that as a given. All right? 19 So tell me how -- how does your -- does your 20 model, the FAPRI model, or the FAPRI model as you have 21 used it in July 2022 through your changes, how does it 22 take into account cost of manufacture, if at all? 23 So we'll have equations that represent allocation Α. 24 of milk fat and skim solids into the different 25 manufacturing processes. They are going to have a 26 combination of factors on the right-hand side that describe the amount of milk fat and skim solids used in 27 28 different products, depending on input, output prices,



manufacture of whatever product we're talking about. 1 2 So they generally have some macro economic factors that would relate to higher input prices in them. 3 4 Well, I understand from your statement that the Ο. actual sales price of finished products, that goes into 5 the equation; is that -- is that right? 6 7 Just ask you -- I'll just ask it as a flat-out 8 Does -- do the -- does the modeling incorporate question. 9 a projected price of finished products? 10 So we'll have wholesale product prices, yes. Α. And it projects -- strike that. 11 0. 12 Not projects, perhaps. It actually reflects what 13 quantities of milk or its components are used to make 14 those products; is that right? 15 So the equation is allocation of milk fat and skim Α. 16 solids that depend on relative economics of the 17 manufacture of whatever process, yes. 18 All right. And where, if at all, does the actual 0. 19 cost of a processor to take those raw milk products and 20 turn them into a finished product, cheese being an 21 example, where does that enter into the equation, or does 22 it not enter into the equation at all? 23 So there -- again, there are some macro Α. Yes. 24 economic drivers in some of those equations that would 25 be -- try to be reflective of some of the other costs of 26 manufacture in those products. So it's generally those 27 more macroeconomic cost factors, producer price indices, 28 that would help that allocation decision.



And where, if at all, does the model capture what 1 0. 2 the impact is of a regulated system that requires processors of manufactured products -- I'm going to 3 oversimplify slightly -- but requires them to take 4 whatever they get for their finished product, say, a 5 40-pound block of cheddar cheese, deduct from that 6 7 whatever has been set by regulation as the Make Allowance, 8 and pay the rest over to farmers? What effect, if at all, does it have on model results if the amount that the 9 10 processor is allowed to hang on to is less than actual 11 cost of manufacture?

A. So, again, we're looking at those relative input and output costs, raw milk being part of that. So those equations will give us that allocation based on, again, what they have to pay for the inputs to manufacture products that they are paid for on the other end.

Q. I mean, are you -- you are using the CPI index and things of that nature to -- as a proxy for those costs; is that what I am hearing?

A. So I wouldn't -- I wouldn't characterize it as a consumer price index in this case. I would actually characterize it as the producer price indices, and we'll dig into the ones that are more reflective of what we think the costs are for the manufacture of those products.

Q. And -- okay. That's -- I appreciate that
correction. You are quite right, consumer price index
would not have been the right number.

So you look at producer price index and things of



28

1 that nature to assess what the costs would be, correct?
2 A. Producer price indices, wage rates, it's a bundle
3 of those kind of other input costs that we include in
4 those estimates.

Q. And what -- how does the -- how, if at all, does the model capture a situation in which the government has, by regulation, capped the actual amount available to the processor at a level lower than those various inputs would suggest are the processor's actual costs?

10 A. So, again, that -- that -- the costs they have to 11 pay for the raw milk to also go into -- or the components 12 to go into whatever manufacture process, those are another 13 input.

And, again, we're not looking at the individual processor in this case, we're looking at the allocation of milk to the different manufacturing processors. And we know that input and output prices are going to drive the decision of that allocation across products.

Q. But, once again, I appreciate milk is an input,
too, and obviously you have to project the milk cost. I
understand that's, in fact, what you are doing in part.

But what, if anything, are you doing to assess the implications for ultimate production of finished manufactured products of a regime in which, by regulation, the processor is being allowed to recover less than its actual costs?

A. So I would, again, suggest that the economics hereare what we look at, and as the price they might have to



pay for that -- those products to manufacture whatever output they want, those have -- as those costs go up, it has downward impact on the allocation to that particular manufactured product, just as increases in the dairy product prices would be an incentive for them to produce more products.

Q. Are you aware that raising the price of a finished
product simply increases how much the processor has to pay
the farmer and, in fact, leaves the processor unable to
garner any benefit from having raised its price?

11 A. I am. It increases the minimum price required,12 yes.

Q. And -- and have you assessed to what extent your model reflects the decline in production that results from the inability of processors to obtain return on their efforts?

A. So the equations will certainly give us back less
production of manufactured products when the economics are
less strong.

20 Q. But you're -- you're judging that economics based 21 upon things like producer price index, et cetera, correct?

A. So that's part of what drives it. Right? So the big drivers here is, what's it cost me for the milk or dairy products I'm putting in to get that manufactured product out the other side and what am I being paid for that manufactured product? Yes. Those are the big drivers.

28

Q. And, I mean, so let's take an example. Let's



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900 TRANSCRIPT OF PROCEEDINGS

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING 1 assume energy prices have gone up. 2 I assume energy prices must be part of the formula, correct? 3 Α. Correct. 4 (Court Reporter clarification.) 5 6 MR. ROSENBAUM: Must be part of your formula. 7 BY MR. ROSENBAUM: And so let's assume energy prices have gone up. 8 Ο. 9 That would be reflected in your formula. 10 What, if anything, does your formula do to assess whether or not the manufacturer, in fact, has any ability 11 12 to recover that extra energy cost given the regulatory 13 limit on the Make Allowance? Yes. So this is, frankly, the beauty of a full 14 Α. 15 system of a set of equations, because you just set in 16 motion step one here of, let's take the assumption of 17 higher energy prices. So the very first effect of that in 18 the allocation would be to say, we're going to allocate 19 less milk to those manufactured products because costs 20 went up for the manufacturer. 21 What's that do at the retail level? Fewer retail 22 products available. It raises the retail price slightly. 23 I'm -- I mean, we can argue, it depends on the shift we 24 want to make here. 25 But then that feedback is simultaneous, then, back 26 to those allocation equations as well. So we're searching 27 for -- you know, you have really shifted the supply of a



28

manufactured product to the retail level by increasing

energy costs, and we're looking for that new equilibrium that balances markets all the way from farm prices, to wholesale, to retail prices. It is not a simple process. We have to go through that entire set from farm to consumers to find a new equilibrium.

But all else equal, you increase energy costs, and
will manufacture less products, and ultimately see some
higher prices as consumers see less product out there.

Is the -- is the diminution in sales different in 9 Ο. 10 the real world based upon whether or not you have the 11 ability, as you would for most products, to raise your 12 price to try to recover that increased cost, as opposed to 13 a regime in which, in fact, you -- talking about the 14 processor -- are unable to raise your price and thereby 15 recover that cost because you're required to pass on that 16 higher price to your farmers, so you net nothing from 17 trying?

A. So I'm not sure I followed the question completely, but I will say I think the question you asked me, if I'm a price taker, can I raise my prices? And I eventually will say, in aggregate, we get supplies to adjust, whether that's milk or of manufactured product, and eventually that goes against aggregate demand to give us some higher prices.

Q. But the demand reflects the prices, too, right?
A. It -- so it does. That demand function gives us a
schedule of consumption or -- or -- and I'll say total
consumption in this case -- we can say per capita, that



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

depends. As prices go higher, we get less consumption.
Q. Let me ask it a little differently. Some of the
agricultural products that you cover in the Agricultural
Market Outlook are not subject to regulation as to how
much the entity making the finished product must pay its
suppliers; is that right?

A. That would be correct. We could talk about cattle
markets not having a lot of regulatory burden between -along the way, yes.

10 Q. Is the model changed for dairy to reflect the fact 11 that there are these Make Allowances which cap how much a 12 processor can recover?

A. Yes, to the extent that those minimum price formulas, you know, make changes as we change wholesale product prices. In those allocation equations, the minimum class prices will be part of what drives the relative economics.

18 Q. And is there a determination made as to whether or 19 not those changes are significant enough as to retard 20 production?

A. So generally, I answer yes to that. I -- I don't
know if you are looking for some point of a big change
that results or some cliff that happens. These models
tend to be fairly linear in their response.

I -- again, I would remind us that in this case we're talking about aggregate response, not individual processor response. And I think that's important to -- we may find an individual processor that adjusts a lot more



| TRANSCRIE | PT OF PRO | CEED | INGS | | | | December | 06, | 2023 |
|-----------|-----------|------|-----------|-------|---------|---------|----------|-----|------|
| NATIONAL | FEDERAL | MILK | MARKETING | ORDER | PRICING | FORMULA | HEARING | | |

1 than the aggregate situation might suggest as well. 2 0. Well, presumably some material portion of all manufactured products are subject to the restrictions of 3 Make Allowances that I described, correct? 4 Α. You are correct. 5 Let me ask you this. You, for purposes of your 6 0. 7 analysis -- let me start by just repeating -- start that 8 question again, by repeating, and I'd ask you just to 9 assume this, you haven't been here for the whole hearing, 10 but --11 THE COURT: Remember where you are. Let's take a 12 15-minute break. It's about 10:35, so please be back and 13 ready to go at 10:50. 14 (Whereupon, a break was taken.) 15 THE COURT: Let's go back on record. 16 We're back on record at 10:51. 17 Mr. Rosenbaum. 18 BY MR. ROSENBAUM: 19 Dr. Brown, if you could look at your written Ο. 20 report here in Exhibit 421 and turn to page 5, which 21 contains your baseline. The second entry on the page 22 under the heading U.S. Milk Supply is Milk Yields. 23 Do you see that? 24 Α. Yes. 25 And you show that milk yields will increase year 0. 26 over year during that entire timeframe, correct? 27 Α. That is correct. 28 If you look at the last page of your exhibit, 0.

Table 14, I was just struck by the fact that that table
 which shows change from baseline, shows milk yields
 declining from the baseline in years 2024 through 2032.

Now, they are small changes, but I was just
curious if you could -- if you have an explanation as to
why you think the National Milk proposals would actually
cause milk yields to go down a little bit?

8 Well, those are very -- so first off, I'll Α. 9 respond, those are very marginal changes relative to the 10 baseline. But you are correct that they are slightly 11 down. I think when you look at those results, we're 12 probably in a situation where it depends on where the 13 growth in cow numbers occurred and what yields look like 14 in those areas relative to other areas that may have 15 driven milk yields down slightly under that scenario.

Q. I mean, you are showing production goes up by
200 million pounds in years 2028 through 2032, each year,
as compared to the baseline, and yet yields are dropping.

19Does that -- as I say, very slightly, but I20just -- it -- it seemed a little bit of an anomaly.

A. So I think we're -- again, we're adding cows that
maybe are in places with lower average yields that's
resulting in that slight decline in milk yields.

Q. In terms -- switching topics to elasticities. On page 3 of your written report, Hearing Exhibit 421, there is Table 1 that shows the elasticity estimates of the FAPRI dairy model.

28

Let me start by asking you: Are you the person



1 responsible for developing those elasticities or is it 2 somebody else? So it's combinations of researchers in FAPRI that 3 Α. 4 we're working on estimations. But, yes, I have a part of that as well. 5 6 0. Are you the principal person for coming up with 7 elasticities for dairy or is that somebody else? I'm responsible for the structure of the model 8 Α. 9 that we end up with at end of the day. Primary 10 responsibility, yes. 11 Ο. Okay. Now, there's -- right underneath where it 12 says Table 1, there's something that says "Estimation 13 Period 1988 through 2018." 14 So I would like you just to explain to me what 15 that means. 16 Α. Yeah. So when we think about the parameters that 17 we're estimating on the supply and demand side, we're 18 looking over that period of -- of 1998 through 2018 to 19 estimate those parameters. We are always in constant 20 evolution in these models; however, trying to maintain 21 some consistency across time and how they -- how it 22 analyzes policy changes is important for me, so I'm always 23 careful about how quickly to update those elasticities. 24 I'm more focused on areas of the model where we -- we have 25 done analysis where we feel like the model's come up short 26 in terms of answering the questions. 27 0. But are you -- is it -- does that reference to 28 the --



(Court Reporter clarification.) MR. ROSENBAUM: I'll start the question again. BY MR. ROSENBAUM:

Q. Does the reference in Table 1 to an estimation period of 1988 through 2018 mean that it is data from that time period that is used to create the elasticities?

7 A. That is correct. So when I'm doing annual model 8 development, I have the tradeoff of how far back do I want 9 to go to get the number of observations to do estimation 10 versus getting far away from what we might consider the 11 current structure of the industry. So I have tradeoffs 12 there in terms of that estimation period, for sure.

Q. Have you personally performed any studies as to whether COVID has -- and its aftermath -- have caused any material shifts in consumer elasticities?

A. So I will say we look at changes of time periods
all the time in terms of the estimation that we go
through. That's both cutting off of the early period as
well as adding observations on the in period.

20 Can I specifically identify the effects of COVID?21 No.

Have I been concerned about how quickly to incorporate the data that's available for me in a COVID period? Yes. Only because I'm not sure what the longer-term impacts are of those changes, yet.

Q. But you -- your cutoff date is pre-COVID for the data collection for purposes of making these elasticity estimations; is that correct?



1

2

3

4

5

6

TRANSCRIPT OF PROCEEDINGS

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING 1 Α. That's correct. 2 MR. ROSENBAUM: That's all I have at this time. THE COURT: Mr. Rosenbaum, thank you. 3 Who next will cross-examine Dr. Brown? 4 MR. ENGLISH: Good morning, again, Your Honor. 5 6 CROSS-EXAMINATION 7 BY MR. ENGLISH: And good morning, Dr. Brown. 8 Ο. 9 My name is Chip English, representative of the 10 Milk Innovation Group, which is primarily Class I. And so I say that in particular because I will 11 12 focus on Class I issues. And I assure you that both your 13 counsel's additional direct and Mr. Rosenbaum's 14 cross-examination has significantly shortened what 15 otherwise would have been my cross. 16 So I find my recollection's fading over time, and 17 so I simply cannot recall. Have you testified in prior 18 Federal Milk Marketing Order hearings? 19 Α. T have not. How does the FAPRI model measure consumer demand 20 0. 21 for fluid milk? 22 Α. We estimate a double-log specification that looks 23 at total consumption of fluid milk as a function of the 24 retail price of fluid milk, income, and I believe there's 25 also a negative trend term in that equation that's 26 estimated. 27 0. A negative trend term meaning what? 28 A variable that's helping describe what's been a Α.

1 continued decline in fluid milk per capita consumption 2 over the period. At the bottom of page 2 of your testimony you have 3 0. this statement: "The fat and solids not fat balances are 4 cleared using wholesale butter and nonfat dry milk 5 6 prices." 7 What impacts does that negative Class I trend have on those balance clearings, in your mind? 8 9 Well, so those -- those milk fat and the skim Α. 10 solids closing identities will always balance. Where --11 you know, which products milk fat and skim solids go to 12 will change over time. 13 And if -- if you agree the Class I demand has a 0. 14 trend that's down, does that volume loss end up in those fat and solids nonfat balances? 15 16 Α. Yes. 17 Ο. And where is that additional fat and solids nonfat 18 balances end up being sold? 19 In other manufactured products. Α. 20 Does it end up in the export market? 0. 21 Certainly some of it could, yes. Α. 22 On page 3 of your statement, the very top, there 0. 23 is a representation of Federal Milk Marketing Orders and 24 other federal policies. 25 Does that mean that the Federal Milk Orders are 26 taken into consideration in the model? 27 Α. That is correct. 28 And do you know what the USDSS model is? 0.

So I'm not familiar with it in detail. But, yes. 1 Α. 2 Ο. And do you know that it does not take into consideration the existence of Federal Milk Marketing 3 4 Orders? Α. That's my under- -- my general understanding, yes. 5 If FAPRI is a representation of Federal Milk 6 0. 7 Marketing Orders and its underlying policies, do the results of the model tend to reinforce the status quo? 8 9 I think what the representation is, is really Α. No. 10 how we get from wholesale dairy product prices all the way back to farm level milk prices through the set of formulas 11 12 that we have that determine minimums along the way. 13 You don't think there's some circularity built Ο. 14 into the model based upon the existence of the 15 existence -- sorry, let me start over -- circularity built 16 into the model if you are applying the Federal Order 17 policy? 18 I don't think that when you think about applying Α. 19 Federal Order policy it changes the behavior relative to 20 changes that one wants to make. It just imposes the 21 constraints that come with operating under a Federal Milk 22 Marketing Order.

Q. So looking at page 3 of Exhibit 422, your
PowerPoint, you say, "There's a state-level development on
the supply side, but demand for dairy products and fluid
milk occurs nationally."

27 Is the demand for fluid milk really national?28 A. So I think one could argue that there's

1 differences as you move around the country. 2 Unfortunately, it's hard to find the data necessary to add that complexity to the model. And so, thus, that's the 3 4 reason for the structure that you see. To the extent you know anything about the USDSS 5 0. model, does it not implicitly take into consideration the 6 differences -- or the differences in fluid milk demand? 7 8 Α. I'm not aware. MR. ENGLISH: Your Honor, could we provide a copy 9 10 of an exhibit to the witness? It's Exhibit 384, which is 11 American Farm Bureau Federation 5B, the maps they 12 introduced last week. 13 THE COURT: Yes. So I'm going to ask that the 14 record copy be provided to the witness while I get my 15 copy. 16 Tell me again the exhibit number, please? 17 MR. ENGLISH: It's Exhibit 384. 18 THE COURT: 384. Let's go off record just a 19 moment. 20 (An off-the-record discussion took place.) 21 THE COURT: We're back on record at 11:06. 22 Mr. English, the witness and the Judge each have a 23 copy of the Exhibit 384, AFBF-5B, as in boy. 24 MR. ENGLISH: Thank you, Your Honor. 25 BY MR. ENGLISH: 26 Q. So, Dr. Brown, I probably suspect you haven't seen this document before; is that correct? 27 28 Α. That would be correct.



Let's turn to Figure 3 for a moment. 1 Q. 2 And so this has been admitted into evidence by American Farm Bureau Federation, and according to them, it 3 4 purports to be the difference between current and the National Milk Producers Federation proposed Class I 5 differentials. 6 7 Do you see that? 8 I see what they have said, yes. Α. 9 And do you see that they have used a color code Ο. 10 such that the more red an area, the greater the difference 11 between the current and National Milk in a positive 12 direction -- I'm sorry. I apologize. 13 Do you see that that -- actually, it's the green that is the highest from the current to the proposed, 14 15 correct? 16 Α. That's what the graph shows. 17 Ο. But do you also see a fair bit of red increases in 18 the West? Do you see that? 19 Α. Yes. I assume from what you have told us, that your 20 0. model takes into consideration the increase in the Class I 21 22 differentials throughout the whole country, correct? 23 That is correct. Α. 24 Ο. And to the extent some of those increases, say, in 25 the Upper Midwest at \$1.25, are in areas where there's a 26 very low Class I utilization -- do you know that, for 27 instance, that the Class I utilization in the Upper 28 Midwest is around 6%?



1 Α. Yes. 2 Ο. And to the extent you increase the Class I differential in that part of the country by \$1.25, that 3 4 increase -- most of that increase milk is going to go somewhere other than Class I, correct? 5 6 Α. Correct. 7 Ο. And -- and that ultimately will have an impact on 8 the prices as you show. 9 If you look at page 17 of Exhibit 422. 10 As I understand it, page 17 is the impacts of the 11 higher class of differentials, correct? 12 Α. That is correct. 13 And while you don't actually show the Class I 0. 14 differentials here, I understand, because you are keeping 15 consistency around charts, all the formulas for Class I 16 mover, Class II, Class III, and Class IV, are lower in 17 every single instance, in every single year, with the 18 increase of Class I differentials, correct? That is correct. 19 Α. And by definition, the fact that the Class IV 20 0. 21 price, for instance, just using one example of 2023, is 22 down \$0.25, is because taken by itself, the Class I 23 differential increase will mean the Class IV prices are 24 going to end up going down from the baseline, correct? 25 Α. That is correct. 26 Which, taken to the next statement, means that Q. production changed in such a way that Class IV dropped by 27 28 \$0.25 per hundredweight, correct?

A. Additional milk supplies came on the market and
 lowered the Class IV price.

Q. And whatever your conclusions about dissipating rapidly for dairy farmers, the bottom line is, as to Class I differentials, the impact taken by itself was down, whether it was 2023 or 2032, correct?

7

3

4

5

6

A. I'm sorry, ask that question again, please.

8 Q. Looking at table -- looking at the table on 9 page 17, and going to your ultimate conclusion that the 10 changes in producer prices will rise in the short-term but 11 dissipate -- that increase will dissipate in the 12 longer-term, nonetheless, Class IV is down across the 13 board in every single year, correct?

14

A. Yes, that is correct.

Q. To what extent do you take into consideration the cost to Class I handlers when decisions are made by others to voluntarily associate with the pool or disassociate with the pool, which impacts the level of the payment they have to make into the producer settlement fund?

A. So we try to have that representation in our Federal Order piece of the model. Depooling can certainly be troubling for us to handle in a modeling framework. So it's a simplification, probably relative to some of the things that we have seen of late.

Q. And do you understand the problem I was trying to get at, is that while the Class I processor may have an announced Class I price, if depooling occurs such that the payment to the pool increases, that the actual price the



NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

1 producer -- that handler has to pay would exceed the 2 Class I price? I understand. 3 Α. And you believe that is taken into consideration 4 0. in your model? 5 Α. T do. 6 7 0. I want to discuss, ever so briefly if we can, the 8 issue of elasticities. The only cross-elasticities --9 THE COURT: Say it again? 10 MR. ENGLISH: Sorry. BY MR. ENGLISH: 11 12 Ο. The only cross-price elasticities I see that you 13 perform as shown in Exhibit 422, page 5, are for American cheese and other than American cheese, correct? 14 15 You are correct. Α. 16 And going back just very briefly to some of the 0. 17 questions Mr. Rosenbaum asked. 18 That means you have not performed any 19 cross-elasticities for fluid milk with, say, bottled 20 water, correct? 21 Α. So there are currently no cross-elasticities in 22 that fluid equation, but it is total fluid consumption. 23 Have we looked at alternatives in the 24 specifications over time? Absolutely, yes. 25 Finding those alternative specifications where 26 cross-elasticities seem to help us, I have not, in an 27 annual kind of analysis, found anything that I felt more 28 comfortable with.



| | C C C C C C C C C C C C C C C C C C C |
|----|---|
| 1 | Q. In any event, the last year for which you have |
| 2 | done the analysis as reported here was 2018, correct? |
| 3 | A. Last year for the estimation of some of the |
| 4 | parameters that run the model, that is correct. |
| 5 | Q. And you try to keep them consistent. |
| 6 | So, for instance, you say you drop off the bottom |
| 7 | year and add new years, correct? |
| 8 | A. So it's an evolution, not a revolution. |
| 9 | Q. Right. Okay. |
| 10 | But the evolution, as I understand it, is 1998 to |
| 11 | 2018; is that correct? |
| 12 | A. So it's currently we're estimating over 1988 to |
| 13 | 2018. |
| 14 | Q. Just give me one second. As promised, I greatly |
| 15 | shortened my exam, and I thank you for your time. And |
| 16 | let's let's get the official version of 384 back to |
| 17 | USDA. |
| 18 | MR. ENGLISH: I thank you for your time, |
| 19 | Dr. Brown. |
| 20 | THE COURT: Who next has cross-examination for |
| 21 | Dr. Brown? |
| 22 | CROSS-EXAMINATION |
| 23 | BY MR. SMITH: |
| 24 | Q. Good morning, Dr. Brown. |
| 25 | A. Good morning. |
| 26 | Q. I'm Dan Smith with the Maine Dairy Industry, |
| 27 | representing the Maine Dairy Industry Association. I |
| 28 | I'm extremely sensitive to not belaboring the hearing |
| | |
| | |

TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900 1 process.

2 The purpose of my exam is two parts: One, just clarify some methodology issues; and second, the primary 3 4 purpose is to see if there's a way to equate your calculation of the all-milk price with a calculation on 5 the Federal Order producer statistical uniform price, 6 7 whether there is some possible way to do that. Again, now 8 I understand that those are big methodological issues, not 9 looking to get too deep into it, just to the level that we 10 can for purposes of the hearing.

A. Okay.

11

Q. So starting on page 4 of your Exhibit 421, just if you -- if we might, we're on page 4, second paragraph in the fourth paragraph. If you could just give kind of a working definition of what you mean by exogenous data and your stochastic baseline development.

A. Yes. So exogenous data would be modeled -sorry -- would be data that the model does not project.
It would -- in some ways you could think of it as outside
assumptions that would be made in the model.

If you took the dairy model by itself, corn prices, soybean meal prices, hay prices, alfalfa prices, would all be exogenous. From there, income. So what drives domestic demand is general income trends. We'll have, then, deflators involved as well. On the export side, we would talk about things like exchange rates.

27 So it's, again, those -- those data streams that 28 we're using to drive the set of endogenous, or variables



| | TRANSCRIPT OF PROCEEDINGS December 06, 202 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING | | | | |
|----|---|--|--|--|--|
| 1 | that the model predicts, that that, for me, is this | | | | |
| 2 | exogenous model description for you. | | | | |
| 3 | Stochastics, I always struggle with the | | | | |
| 4 | Q. Let me just with regard to the exogenous data, | | | | |
| 5 | where does the Class I the class prices in the class | | | | |
| 6 | 6 utilizations, are they considered to be exogenous data in | | | | |
| 7 | the model then? | | | | |
| 8 | A. They are not endogenous to the model. | | | | |
| 9 | Q. Did I say "endogenous"? I meant, ex ex | | | | |
| 10 | are they considered to be exogenous? | | | | |
| 11 | A. No, they are not. | | | | |
| 12 | Q. They are | | | | |
| 13 | A. Endogenous. | | | | |
| 14 | Q endogenous? | | | | |
| 15 | A. Yes. | | | | |
| 16 | Q. Meaning that you don't predict them | | | | |
| 17 | A. No, no, meaning I do predict them. | | | | |
| 18 | Endogenous are things that the model predicts. | | | | |
| 19 | Exogenous, things outside of what the model predicts. | | | | |
| 20 | Q. So the class prices, you are predicting the | | | | |
| 21 | changes in the class prices over time and changes in | | | | |
| 22 | utilizations over time? | | | | |
| 23 | A. Correct. So if you looked at if you looked at | | | | |
| 24 | Table 2 on page 5, you would see, you know, Class II, | | | | |
| 25 | Class III, Class IV, those are predicted. | | | | |
| 26 | Q. So even the data those data for 2022 are | | | | |
| 27 | predicted data from the model as it has moved in the past | | | | |
| 28 | to that, rather than the actual ones? | | | | |



TRANSCRIPT OF PROCEEDINGS

| 1 | A. So we'll use actual up until the current data, and |
|----|--|
| 2 | then the model, forecasting forward, will predict those. |
| 3 | Q. So over time you replace the predictions with the |
| 4 | actual? |
| 5 | A. Absolutely. |
| 6 | Q. Okay. Got it. That's very helpful. |
| 7 | Now, if you could move to the stochastic baseline, |
| 8 | what that function is. |
| 9 | A. Yes. So the second question, harder, I think, for |
| 10 | me to describe very well, so I'll do my best here to help. |
| 11 | So, number one, I always we often start with |
| 12 | this deterministic baseline, so point estimate. So I |
| 13 | predict the price is X in this year. That is the |
| 14 | deterministic process. |
| 15 | The stochastic process, as we describe it, then |
| 16 | says, you know what? All that exogenous data, we know |
| 17 | there's a distribution around that exogenous data, so |
| 18 | let's go draw from different exogenous factors. |
| 19 | So I always go, for me, the weather is one of the |
| 20 | easy ones. So if it's dry, we know we get higher feed |
| 21 | costs. So we're going to draw from the distribution of |
| 22 | what weather looks like as a way to add a distribution |
| 23 | around milk prices. |
| 24 | So if weather is dry, we know milk yields are |
| 25 | probably less. All else equal, that gives us a higher |
| 26 | price, so we're on this side of the distribution. And |
| 27 | we're doing that 500 times. |
| 28 | Sometimes I go, think of it as we're running 500 |



unique other outcomes based on this conditioning draw from 1 2 the distribution of exogenous variables. And in some cases, we may decide we're going to draw from the error 3 4 terms of some of the equations. Remember, we tend to do OLS estimation for those equations, so we know those OLS 5 equations have errors associated with them. We'll take a 6 random draw out of that distribution of those error terms 7 8 as well.

9 So if I think about demand, you know, we know it's 10 driven by own-price, cross-price, and income. That's kind 11 of our basic economic logic. Yet, we know there's also 12 this other consumer taste in preferences. We don't -- we 13 don't have a good measure of that, so we know that still 14 probably lies out there in the error term, so maybe we're 15 going to draw from that error term on some of the consumer 16 demand equations.

I say "maybe." We -- this is a little bit of us choosing which of those exogenous events we want to draw from. It gives us a stochastic outcome that we feel is wide enough for what we're trying to get accomplished.

But -- but that process, again, randomly draw -now, we hold correlation, so we know that some of these variables that we're drawing from exogenously have correlation between them.

25 So if I draw a -- if I draw a -- I'm trying to 26 think of a good example here. If I draw weak income, 27 that's going to be potentially correlated with some of the 28 other macroeconomic effects I'm drawing from. So I want



to make sure that I keep that correlation in the error
 draws as well.

And so that's -- that's a simple explanation of what we go through in developing our stochastic baseline.

Q. And then that result is 500 individual projections that you then plot out and then devise some sort of mean or -- or of that?

8 A. So we'll look at the mean. We'll look at the 9 distribution of those. Oftentimes you will find that 10 we're reporting the mean of the stochastic outcomes, just 11 because trying to find other ways to report that data gets 12 complicated, and it -- I don't think it always illuminates 13 as well.

For me, the stochastic process really helps me identify the times where the bet's not equal. It's not a normal distribution when it's all said and done.

Q. And the net result is Figure 1, correct?A. Correct.

Q. Okay. Okay. And in between there, a final kindof clarification question -- general.

21 On page 9 of your testimony at the bottom, you 22 indicate that -- with regard to the Class I differentials, 23 but it seems to be an issue with a structural design of 24 the model.

25 "The Class I differential changes are analyzed on26 an order-by-order basis."

27 And this is more the point: "At the supply side 28 structure, the model only includes state-run supply and



17

18

incorporates how each state is affected by the numbers." 1 2 So does that -- does that mean that the model is structured not to include the different Federal Order pool 3 4 data and the impacts on Federal Order pooling in -- in the calculation of changes in milk production over time; is 5 that correct? 6 7 Α. So that is not correct. It will incorporate that, going from state by state, so I need to go this state's 8 9 delivering to which orders. 10 Ο. Okay. And that's the connection between order by order. 11 Α. 12 And then what I'm saying about a state all-milk price, 13 those price linkages exist in the model. 14 So translation: Milk production in the state of 0. 15 Maine goes -- stays instate, goes to Massachusetts. The 16 model captures both of those supply changes. And if -- in 17 an order where production in one state goes among many 18 orders, that's captured as well? 19 That is correct. Α. 20 0. Okay. Okay. Moving now to your summary dairy 21 baseline table on page 5. 22 The first category is milk supply. Milk 23 production in 2022 is the actual data now, right? You 24 have captured for the year? 25 Α. It is. There may have been a slight adjustment. So remember that this was done in mid-2022. USDA probably 26 27 didn't have its final milk production --28 0. So we're essentially dealing with actual --

| 1 | |
|-----|--|
| 1 | (Court Reporter clarification.) |
| 2 | THE WITNESS: So when you look at 2022, it was the |
| 3 | most current reported USDA data in mid-2022. I won't say |
| 4 | there hasn't been revisions that USDA's made to that final |
| 5 | data between when this was done and today. They will be |
| 6 | minor, but think of it as 2022's history. |
| 7 | BY MR. SMITH: |
| 8 | Q. The reason for my interruption and I |
| 9 | apologize the qualification, the main point is actual |
| 10 | data? |
| 11 | A. Yes. |
| 12 | Q. Okay. So we have, in milk production pounds |
| 13 | total, 226.4 billion pounds of milk. And obviously, |
| 14 | that's a lot more than the Federal Order. |
| 15 | So if you could just the the identify the |
| 16 | volume, if you can, that's pooled milk versus non-pooled |
| 17 | milk? |
| 18 | A. So I don't have that data sitting in front of me, |
| 19 | so I'm not sure I can illuminate too much further. I |
| 20 | recognize there's a lot of milk outside Federal Orders, |
| 21 | but I don't remember the exact. |
| 22 | Q. Do you have a ballpark of what it is or |
| 23 | A. I don't have a ballpark. |
| 24 | Q. Okay. Okay. Okay. So then moving to the second |
| 25 | category on the summary table, and this is more of the |
| 26 | gist of my questions, I'm trying to calculate out how the |
| 27 | model devises the all-milk price from which is the last |
| 28 | line of the second category, from the minimum FMMO class |
| ÷., | |



1 prices.

2 So you have, in that category, you have the mover, and then the Class II, Class III, and IV prices. 3 Ιf you -- if you -- for 2022, again, you know, with your 4 qualification real data here -- I mean, not real -- actual 5 data, not projected, the all-milk price at \$24.85 is 6 7 greater than the calculation of any of those individual 8 So obviously, a statistical uniform blend price, prices. 9 however you characterize it, is not just drawn from those 10 prices. There is more -- are more data included in there, 11 and if you could just identify what those are to begin. 12 And you don't have to get too deep, just basically how 13 we're going to get to the all-milk price.

A. Yeah. So we will see minimum blend prices by
order. And, again, we're going to then map from those
minimum blend prices to the state all-milk prices.

17 It's not a one-for-one. No linkages exist there. 18 And for states that have delivering to multiple orders, 19 we're going to try to incorporate that into what 20 ultimately becomes a state all-milk price, to the U.S. 21 all-milk price that you see here, it's a weighted average 22 by production in each of those states to some -- I 23 shouldn't say some -- but to average to a U.S. all-milk 24 price estimate.

Q. So there have to be other data besides just theprices in there.

27 Class I differentials, I would assume, are 28 additional?



1 Α. And -- and, yes. And we're going to look at 2 the -- you know, how much is -- is different class utilization that affect, then, ultimately what translates 3 4 into a state all-milk price. But would there also be state over-order prices 5 0. included in there? 6 7 Α. So not explicitly. As much as I might like to have more over-order price data, it's a little limited in 8 9 terms of what I have available to me publicly to use. And 10 so, just remember, it's not a one-to-one mapping from the 11 Federal Order prices to the state all-milk prices. So we 12 at least indirectly allow for those things, for those kind 13 of over-order premiums to exist. 14 And regulated and market, same issue? 0. 15 Α. Correct. 16 So then the primary driver of the -- how you net Ο. 17 out a positive -- a higher all-milk price then -- then the 18 regulated prices would be the Class I differentials across the orders? 19 20 Α. That -- yes. That would certainly be critical, 21 yes. 22 And that's enough to account for the nonregulated 0. 23 milk in the system as well? 24 As best -- as best we can do it in the model. Α. 25 Okay. Okay. So now to the final table on page 22 0. 26 of your statement, which is the change from the baseline 27 accounting for all of National Milk's changes. And here I 28 have -- I do have a question that's more a bit of a



challenge, I would have to say, as opposed to primarily
 trying to understand.

In the first category, you show, which has been described previously, the increase in milk production over time is one-tenth of a billion pounds, 100 million pounds, correct? 100 million to 200 million pounds. And so for 2023, at 100 million pounds were against 225 billion pounds of milk, right? That's -- that's the net change; is that correct?

10

A. Very small change. You are correct.

Q. So -- but the -- the net result to the classified price is quite significant. So if you could just explain how an increase -- so the basic dynamic that you described at the beginning of your testimony is that the supply and demand dynamic we're involved with is that an increase in milk production is going to result in a decrease in prices.

So how does the 100 million pounds of increased milk production against total production of 225 billion, even if you account for that's not all regulated milk, how do we -- how do we have a drop of the Class II price and the Class IV price \$0.74 a hundredweight?

A. Yeah, so I think you have to look back at each of
the individual five of those --

Q. Yeah.

A. -- to make that kind of calculation.

27And -- and I was just looking here for a minute.28So from a Class I differential increase, you know, for



25

26

example, in 2024, a \$0.31 decline in the Class II price. If you looked at Class I mover, it's an \$0.08 lower, in this case, Class II price. So you got to look at those individual outcomes to -- to make that conclusion.

5 Now, again, how do we get a \$0.09 increase, let's 6 say, in 2023, in the U.S. all-milk price when you see the 7 class price is declining? It is higher Class I 8 differentials. That is part of the answer to that 9 question.

Q. So -- and I tried to do that. And it seems if you add up the differentials barrel price, those net increases, I'm not sure it totals out, that's the only thing. We have to take the model for what it is, but if that's the explanation, okay, that's the answer to the question that I posed. Thank you.

A. Yeah.

Q. Okay. So then final question and back to the beginning. So if we have a calculation of all of the changes that National Milk is proposing in aggregate, results in the change in the all-milk price 2023, \$0.09, moves down to \$0.02, and then back up to \$0.03, that's the net run of the model total, correct?

23

16

A. That is correct.

Q. So if you could just, to the extent that you can, how does that equate to the calculation of a statistical uniform price, a producer pay price under the Federal Order? That's my last question.

28

A. Yes. So, again, I think it's very similar in



1 terms of the calculation. Again, we're looking at, for 2 each order, the Class I through Class IV price is the utilization in those prices to come up with what I would 3 4 call a uniform blend price, translating that, then, into those state level all-milk prices to come up with what 5 6 happens in each of the states.

7 0. Is that the work back through the states to get to a calculated price for the -- an order that includes those 8 9 states?

10 Yeah. So I think so. Sorry for not being clearer Α. 11 in my response here.

0. No, no.

12

13 But we're talking about going from wholesale Α. 14 prices and working our way back all the way to what's then 15 ultimately state all-milk prices through the Federal Order 16 set of formulas that -- that, again, generates the 17 connection between wholesale product prices at the 18 national level and what we're saying about state all-milk 19 prices.

So the point being that the model is not just a 20 0. 21 calc- -- is not just running the calculated blend price, 22 it's accounting for the downstream sales, and then that 23 feeds back into the price calculation?

24 And in a simplified fashion, yes, it is. Α. It is. 25 Thank you very much. 0. Okay. 26

MR. SMITH: That's all I have.

27 THE COURT: There's no cross-examination of 28 Dr. Brown?



1 So this is very fundamental, but I just want to 2 make sure I understand this before I invite questions from the Agricultural Marketing Service. 3 When I look at your Exhibit 421, page 6, and at 4 the top of the page it refers to the 2024 Stochastic U.S. 5 All-Milk Price. I don't have that figure completed, but I 6 7 looked at your slides where it is completed; is that 8 correct? THE WITNESS: Those should be the identical. 9 10 THE COURT: All right. I'm just going to approach 11 you, if I may. So I'm looking at your slides, and I find 12 page 8, the picture that I don't see on the testimony on 13 page 6. 14 Do I have an imperfect copy? 15 THE WITNESS: You do have an imperfect copy. 16 THE COURT: I wonder if the record copy is 17 perfect. 18 MS. TAYLOR: Your Honor, we did notice that 19 earlier, and we have asked National Milk to provide the 20 record copy with the colored print of the graphs so they 21 show up. I believe we have an extra copy to give you so 22 that you have that, and the record copy is correct. 23 THE COURT: Mine is not only lacking color, it's 24 lacking --25 MS. TAYLOR: It's lacking ink. 26 So what's online is correct, the record copy is 27 correct, and we'll make sure you have a correct copy. 28 THE COURT: Very good. That's -- that's --



1 there's one other, just to make sure. If you will turn to 2 page 9 of your testimony, page 421. Mine isn't nearly as 3 helpful as yours. 4 THE WITNESS: So, again, we're missing -- yeah. MS. TAYLOR: We'll fix it. 5 6 THE COURT: All right. Good. As long as the 7 record copy is complete, I'm happy. But, I mean, yes, I 8 want one of my own. All right. 9 Is there anything further then before I turn to 10 the Agricultural Marketing Service questions? 11 There is not. So I invite questions by 12 Agricultural Marketing Service. 13 CROSS-EXAMINATION BY MS. TAYLOR: 14 15 Good morning, Dr. Brown. Ο. 16 Good morning. Α. 17 0. Thank you for being here today. It seems like 18 this hearing is bringing out all of the dairy economists 19 around the country. You are not the first one to speak, 20 and I don't think you will be the last one here to 21 testify, so I do appreciate you coming out to offer 22 evidence into the record. 23 Α. Thank you. 24 Our job at USDA, since this is your first hearing, Ο. 25 is to kind of ask questions to clarify what you did and 26 make sure we understand the terms so we can go back and 27 use this in decision-making. And we can't call you later 28 and ask you a question to define something, so now is our



1 only opportunity.

With that context, I'm going to try and keep things logical, and I might flip back and forth between your two exhibits just to make sure I asked all the guestions on the same topic.

So I will first start on page 2 of your testimony,
which is Exhibit 421. And in that, you talk about how
your FAPRI model is a structural economic approach.

9 And I was just wondering, can you define what you 10 mean -- it means for a model to be structural in nature?

11 A. So I think in that description it is what are the 12 important decision points contained in the -- that are 13 part of the dairy industry, and let's make sure we model 14 that structure with individual equations that represent 15 the underlying structure as best we can of the industry.

Q. Okay. So looking at the totality of the --

A. Correct. Think about it as a system of equations
trying to provide the results, not just an individual
piece of what's going on in the industry.

20 Q. Okay. And on that page, and you talked a little 21 bit with Mr. Smith on state-level prices and how that 22 feeds into Federal Order prices, and you talk about that 23 on page 2.

I wondered if you could speak a little bit more about that relationship in the model. And another question I had was, in particular for states that might be in multiple orders, how did you account for that? A. Yeah. So the second part of your question, states



16

1 in multiple orders, we were looking at the most available 2 data to us about where a particular state's milk was headed, and we incorporate that in coming up with their 3 4 state all-milk price estimate. So if I'm a state X and 50% of my milk is going in Order 1 and 50% is going in 5 Order 2, we'll take the weighted average of those two to 6 7 come up with what ultimately then drives that state 8 all-milk price.

9 Not ideal, but that's the best -- because again, 10 we're in a situation where, then, some of those states 11 would have had unregulated milk as well. We're still 12 trying to drive off of what we have kind of calculated as 13 the best estimate of where that milk's being delivered.

We're calculating those order blend prices to then come up with, how do I want to push those into state all-milk prices? I wish I had over-order premiums in some cases. Back in the old days that might have been a little more readily available than it is today.

19 So you are really then talking about linkages that you hope have enough flexibility to account for what we 20 21 know is, in some cases, over-order premiums that change 22 over time. But we -- it's the toughest, one of the 23 toughest parts of trying to close that model down is to 24 get from what we're doing on Federal Order prices to 25 ultimately the state all-milk prices that drive the supply 26 side of the model.

Q. Okay. Later on in the page you talk on the demandside of the model about equations for American-type



cheese, other than American cheese, butter, nonfat dry 1 2 milk, fluid milk products, and milk fat and solids not fat used in other products. 3

Just had a question on the protein side of things. 4 There's not a separate protein equation?

There was not. So we are balancing on milk fat Α. and skim solids only in what we do.

Okay. And then turning to the next page 3, and I 8 Ο. think you talked a little bit about this with Mr. English. 9 10 You say that Federal Orders are represented in the model.

Just wondering if you can elaborate on how that's 11 12 done, and does that include things such as pooling 13 provisions, order boundaries, other things other than 14 just, you know, class prices?

15 So we're really just trying to map those class Α. 16 prices through. So our representation of Federal Orders 17 are fairly elementary relative to how they might operate. 18 I have looked at times of whether we could do more on the 19 supply side to actually talk about milk supplies in each 20 of the Federal Orders, but the state-by-state approach 21 seems to have been, you know, the best approach for us 22 thus far. It's where, again, I would love to see more 23 data available to make the linkage from national demand 24 through the orders to what's happening state by state, but 25 we just don't have -- in my mind, have enough of that 26 actual USDA reported data to make all those conditions 27 that I might want to make in a perfect model.

28

5

6

7

Q. Uh-huh. I think our economists can be sympathetic



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

| 1 | with trying to model Federal Order provisions. |
|----|--|
| 2 | Let's see. Later down the second paragraph here |
| 3 | on page 3 of your statement, you say, talking about |
| 4 | exports, and they're estimated as a function of the |
| 5 | difference between world and domestic dairy product |
| 6 | prices. And given changes in dairy product exports, world |
| 7 | prices are |
| 8 | (Court Reporter clarification.) |
| 9 | MS. TAYLOR: I apologize. |
| 10 | BY MS. TAYLOR: |
| 11 | Q. Your second sentence says, "Given changes in U.S. |
| 12 | dairy product exports, world dairy prices are allowed to |
| 13 | adjust." |
| 14 | And I could you just elaborate on how that |
| 15 | works? |
| 16 | A. Yeah. So we have a couple of things at play here. |
| 17 | And so, number one, we have estimated reduced form |
| 18 | equations for the quantity of U.S. dairy product exports |
| 19 | leaving the U.S., and those depend primarily on internal |
| 20 | versus world prices and exchange rates. |
| 21 | But at the same time, we also have, in the FAPRI |
| 22 | system, a global dairy model. So I'm able to go in and |
| 23 | shock that model by changing the amount of U.S. exports of |
| 24 | dairy products and saying what's the impact on world |
| 25 | prices as a result of that. So you almost impose the |
| 26 | behavior of the global system to give us a representation |
| 27 | of when we say, hey, under this scenario, we want to |
| 28 | export more or less products, that we get the world |
| | |



response that our global model would give us had we
 incorporated it in.

We don't still stochastically do the global models at this point, it's just another level of detail, but that -- that's the way we're trying to mimic what's happening in the rest of the world as trade becomes more and more important for the U.S. dairy industry.

Q. So, for example, if the U.S. government decides to
change policy and to encourage more exports to be -- to go
out of the country and had a goal, you could say, if we
actually met this goal and exported X amount, this is what
would happen, I can forecast what would happen to prices?
A. Correct.

Q. Let's see. Okay. I want to turn to slide 4 of
Exhibit 422, your Table 1. I think it is also on page 3
of your testimony, 421.

17 You talked a little bit about the elasticities18 that are in the model.

19 Can you define what is a short-run and what is a 20 long-run in elasticity?

A. Yeah. So thank you for that.

So short-run would be the annual response on the supply side. So if we looked at that Table 1 on page 3 of the written testimony -- and, again, I'll take the -- what we labeled as the south states. It's a .05 elasticity in the first year.

27 So what we know is, the long-run -- so when I say 28 long-run elasticity, it's at -- when all the adjustments



21

happen. So this is taking the lag-dependent variables.
 So in our cow number equations, we say cow numbers in this
 period is a function of last period's cow numbers and then
 economics.

5 That lag-dependent variable, you take one over 6 that lag-dependent variable, multiply it by the short-run 7 elasticity, that's your long-run elasticity.

8 It actually, then, just multiplies those -- that 9 effect through time to tell you the ultimate long-run 10 response. And so that's why it's larger, because the 11 lag-dependent variable is going to feed through -- a 12 change in cow numbers that you make the first year feeds 13 through in what your year two looks like, and keeps 14 feeding through.

Q. It's dynamic in that way?

A. That is correct.

Q. Another just point of information I wanted to get
on the record. It looks like your supply elasticities
appear to be relatively inelastic.

20 And just if you might explain why that would be 21 given the current structure of the industry?

A. Yes. I might even add to relative very inelastic,and I think I said inelastic so that we got it correct.

But I think when you look at the structure today, you know, we have a pretty big capital investment on a lot of these operations. And when I think about kind of aggregate supply response, if you will, when somebody builds a nice new big dairy milking facility, that



15

16

TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

9889

facility has to be milked at 100% efficiency, probably, if
 it's going to last long-term.

If that facility gets in financial straits, that individual producer might have to exit, but somebody else is probably going to milk in that facility because the bank that held the loan against it is going to try to sell it for some portion of the original investment to get as much back out as they can, and we keep milking cows in it.

9 So I would argue as we become more 10 capital-intensive in the -- in the investment end, 11 buildings and facilities to run a dairy operation, the 12 individual supply response may not look all that 13 different, but the aggregate supply response is becoming 14 much less responsive, because once we make the investment, 15 it doesn't go away.

Q. So carrying that thought forward, you know, you look through all the results that came out of the model, and it seems to be -- and I'll generalize -- it's a shock in the beginning, the first year or two, and then it moderates over time.

And based on what you just said, I would say, well, that's because maybe somebody goes out of business, but somebody comes in and, you know, milks cows, and cow numbers keep going up, because there's so much capital involved.

26 So I mean, can I draw that conclusion from what 27 you just said as to maybe why we see things seem to 28 always -- in your analysis, the results really do moderate



1 in the long-run?

2 Α. So perhaps, Erin, that's -- that's a part of the answer to the question. But I'd also say, you know, you 3 4 are making these shocks, you are getting response to those shocks. And over time, unless you are doing some policy 5 change that -- that makes the market not come to an 6 7 equilibrium, or an equilibrium different than if you were 8 completely without policy, we're going to tend to try to 9 drive back towards that longer-run equilibrium to -- to 10 the point you were trying to -- I think trying to make 11 here, I'll say, I think it's changed behavior of how we 12 respond on the supply side a lot, in that when there's 13 good returns, there's money available to expand operations 14 fairly quickly, and when it's tough economic times, at 15 best, we swim sideways.

We aren't seeing the same reductions historically in milk supplies that we would have seen in periods of tough economic times, as maybe we did in the past. So I -- I think that has a lot to do with why we see a supply side, again, that's much more inelastic.

Why do we see -- why do we see the effects washed away? To me, that's the industry still just adjusting to the changes in policy. And as long as the policy itself doesn't inflict long-term change that you can't undo, you move back toward that long-run equilibrium.

26

Q. Okay. Thank you.

In your table you have a fluid milk elasticity ofnegative .12, and I think I just wanted to make sure I



1 gathered from other cross-examination, that's an 2 inelasticity that's in your FAPRI model based on your long-term work in that model. 3 4 And you haven't seen any new data or information yet you are comfortable with that would cause you to 5 change that estimate? 6 7 Α. That's correct. Let's turn to slide 7. Actually, let's turn to 8 0. 9 page 6. 10 I wrote a note that I heard you say, in response 11 to some question, and I -- I think I got it correct, you 12 said if you were forecasting, you wouldn't use models like 13 this. 14 So I wrote that down, and as to why do you say 15 that? 16 Α. So I -- I think it's tough to have -- so if I was 17 really good at this and the model that I have together 18 today was a perfect forecasting tool, I wouldn't be here. I would be retired somewhere. 19 20 On a beach. Ο. I never -- on a beach, not in cold weather. 21 Α. So --22 so thus my flippant response to, I wouldn't use the model 23 to forecast. I don't trade on the CME based on what this 24 model says because that would certainly get me in trouble 25 at times. 26 Any model that we have is a simplification of 27 reality. When you have an industry that's as inelastic as 28 the dairy industry appears to me to be both on supply and



1 demand, it just means very small errors in what you might 2 think about supply or demand can translate into pretty 3 huge shifts in prices. So just about the time you are 4 projecting prices higher, they go lower.

Now, do I think it's a good way to think aboutthis longer-term baseline approach? Yes.

7 Do I want to be a fairly accurate forecaster?8 Yes.

9 I think part of that is, then, how do you get 10 expert opinion in to help the model behave or perform even 11 better in constructing that baseline?

Our baseline review process has gone on ever since I started in FAPRI in 1987, and it is a very behind-the-scenes, down-and-dirty, all the experts that we can find to say, what have we done wrong? What's the model not performing very well? And we get beat up sometimes about things that maybe it hasn't done so well.

18 But that process of constructing, to me, then, 19 distinguishes it from a forecast. Just trying to get a --20 and I want an accurate representation of the future as 21 best I can do it, so that when I take that yardstick and 22 then measure the scenarios, I feel comfortable with the 23 change, because that's really what I'm after at the end of the day. When I peel that piece of policy or change that 24 25 piece of policy, is the change still accurate? Or if I 26 want to put it into percentage terms, is it somehow biased 27 because of the baseline that I chose? I want to avoid 28 that as best I can.



1 Ο. So better to look at it in maybe the direction and 2 the magnitude rather than the number? Yeah. I don't disagree with that assessment of --3 Α. 4 I'm happy to get the direction, and I hope I have a pretty good shot at the magnitude. But direction is as important 5 6 as anything here. 7 Ο. Okay. MS. TAYLOR: So, Your Honor, I have a bit more, 8 9 and it's about noon. So I'm wondering if we might just go 10 ahead and take a break, before we get into the details of other scenarios, for lunch? 11 12 THE COURT: Now, our farmer witnesses are still 13 waiting to testify, correct? 14 Mr. English, will everything be fine if -- if --15 MR. ENGLISH: I don't know how much USDA still 16 has, but I think if we start by midafternoon, the 17 statements aren't very long from the dairy farmers. Ι 18 think we're going to be okay. 19 MS. TAYLOR: Yeah, I'm not going to go excessively 20 long by any means. I'm just looking at the time and 21 thinking it would be an accurate time. 22 MR. ENGLISH: I continue to believe we're going to 23 be okay, Your Honor. One of the dairy farmers -- I'm not 24 going to try to stretch this out, but Mr. Sumners says he 25 just has to be on the road tomorrow by noon, whereas 26 Mr. Carson and Mr. Shockey have to be on the road by, you 27 know, 5:30. So they are the only ones that absolutely 28 have to get on today. I would like to get all three of



December 06, 2023 TRANSCRIPT OF PROCEEDINGS NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

these witnesses, essential witnesses, on. I have a pretty good sense of how long these things take. I think we're going to be fine. THE COURT: Good. All right. I think this is a wonderful time to take our lunch break. Please be back and ready to go at 1:00 p.m. We go off record at 11:59. (Whereupon, the lunch recess was taken.) ---000---TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

TRANSCRIPT OF PROCEEDINGS December 06, 2023 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING 1 WEDNESDAY, DECEMBER 6, 2023 - - AFTERNOON SESSION 2 THE COURT: Let's go back on record. We're back on record at 1 o'clock. 3 Is there anything preliminary to the Agricultural 4 Marketing Service continued examination? 5 There is nothing. 6 7 You may proceed. 8 BY MS. TAYLOR: Welcome back. 9 Ο. 10 Thank you. Α. 11 Ο. I want to turn to slides 7 and 8, and this 12 corresponds to the text, I think, that's on page 4 of your 13 testimony, which is Exhibit 421. 14 So slides 7 and 8 look at deterministic and 15 stochastic, and I was wondering if you could tell us the 16 difference between the two. 17 Α. Yes. So the deterministic baseline, I often say, well, that's the point estimate. Year by year, it might 18 19 be considered what's your best single point estimate of what the future looks like. And I -- I describe that as 20 21 the deterministic process. Single point, year by year of 22 all the important endogenous variables. 23 Stochastically, page 8, then says, we know there's some distribution around that point estimate. There are 24 25 risks and uncertainties that we're not going to capture in 26 an economic model. So I want to draw from those risks and 27 uncertainties. I do want those draws to be correlated, so 28 when I think about the factors that are outside the model



1 that could make milk prices higher or lower, I want to 2 draw from a set of those in a way that -- that they do 3 stay correlated. Some errors won't be very correlated; 4 others will be very correlated.

5 This is an opportunity to look at how policy, 6 then, works across a spectrum of potential outcomes. Low 7 milk prices, high milk prices; low milk supplies, high 8 milk supplies. I think when you pick a single point 9 estimate, you are open to missing some of the nuance that 10 happens when we're talking about policy that might be 11 one-sided or the other.

And so when you look at the stochastic graph that's on page 8, you know, so number one, I'll first say, you look at that cumulative density function, and if I would have -- would have put it as a probability density function, it would look very normal, frankly. It would look pretty bell-shaped.

18 That doesn't mean that we still can't use that 19 information in a way of, as I change policy, is that 20 policy outcome also distributed in some normal fashion or 21 is there a tail to it that matters?

In the things that I have analyzed, you know,
here's where the higher-of versus the average plus \$0.74,
the discussion needs to look at the range of outcomes.

I think when the 2018 Farm Bill was being developed and folks decided to move to the average plus \$0.74, they did not expect the volatility that we saw after that period of time that made that move not seem



1 very palatable for producers.

I don't think there's a single formula one can pick that's going to work perfect in all times, but being able to at least analyze across that says, hey, there are times where using the higher-of may be the higher -- may give us a higher return.

7 I think the other point here is more volatility 8 that we have tended to see in markets. Now, maybe we're 9 not going to see the same volatility that we saw during 10 the COVID period in recovery, but I want to know how 11 policy works in those volatile periods of time because I 12 think it makes better policy for us at the end of the day 13 if we think about all of the potential implications across 14 a lot of different market outcomes.

15 So although we call this a stochastic baseline, I 16 sometimes, you know, will say, it's 500 alternative runs 17 that look at changes from what's the most likely or 18 deterministic baseline that gives us that kind of fuller 19 explanation when you think about it from a Farm Bill 20 perspective.

Again, government costs very rarely is equally distributed. You are working on one tail or the other. And back in the day where all of us were only doing deterministic baselines, one could, if you will, game by setting parameters that weren't triggered deterministically, and when you do it stochastically, you get a better flavor of what that looks like.

28

Okay. Speaking of the volatility you just



Q.

TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

1 mentioned, we have heard a lot of testimony over this 2 entire hearing about what everyone seems to be, like, what 3 kind of shifts around 2017, where you saw more volatility 4 in the market, and that seems to have continued.

5 And for your analysis, looking back historical, on 6 historical data, there's not a lot of data, you know, on 7 this current time period.

8 So I was wondering if you could, and I don't know, 9 talk about, just react to that, that information that's 10 been provided to us, and how that impacts, or wasn't able 11 to impact your analysis?

12 A. So I think there's a couple of things at play here13 that -- to discuss under that scenario.

14 So number one, when we're looking at estimating 15 parameters over a long historical period, have we somehow 16 missed the true response in either supply response or 17 demand response from the parameters that we have 18 estimated? I -- I worry a lot about that particular 19 issue, to the point that we spend a lot of time looking at 20 alternative specifications that shorten up the estimation 21 period. I'm going to give up degrees of freedom that I 22 want statistically to see how my parameters adjust if I 23 shorten the period.

I haven't seen anything that yet makes me go, yeah, we fundamentally need to work on this. I'm not convinced I'm to the finish line of that work. I'm -- I was -- I don't think that finish line ever exists. These models always will adjust.



For me, to the -- to the volatility, I have said a few times now -- so we have had a lot of what people will dub black swan events that have affected the industry, and I don't want to downplay that I think we have had some that we could have never predicted. However, I think the structure of many of our ag industries, dairy included, has become less responsive on both supply and demand.

8 And I say that because you stand those supply and 9 demand curves straight up and down, for those of us that 10 are economists, and all of a sudden small changes in 11 supply or small changes in demand gets big swings in 12 prices.

I don't want to confuse the black swan events with what I think is a continued structural shift that makes us generally less responsive as participants in the industry. And I think policy has to -- to account for what I believe is a little less responsiveness for -- by both sides of this industry today.

19 Q. So maybe I could summarize in a non-Ph.D.
20 economist way: Everyone's getting used to the volatility,
21 so they don't react as quickly maybe as they would have at
22 this point?

A. And probably don't have the flexibility to react
as quickly as maybe in the past. Again, I'll go back to
the supply side. Once I'm invested in that facility,
frankly, I have no choice but to milk in it at 100%.

27This idea that, oh, you know, it's -- economics28are worse, I'm going to milk at 90%. I think most



1 everyone would say that doesn't work in the operation, so 2 I got to go at it full bore. And then, if I financially 3 come to the end of the rope, it's not like that facility 4 goes away. It's -- it's likely resold, as long as it's 5 still somewhat modern, and it's milked in again.

I think you could say the same kind of capital intensive nature occurs almost at every segment along the way of the dairy industry, so I think all these -- all that just points, again, to a lot of this straight up and down, and so we miss the volatility that we're going to continue to see as we move ahead.

And I think it's important as we think about any kind of reform to the Federal Order system that we understand that we're likely going to deal with more volatility and not less, and that's important to make sure whatever -- wherever we end up, we think about it as it relates to volatility.

Q. Okay. I was wondering on page 8 in your slide,
this is the stochastic baseline, if you could just walk
through kind of what exactly the graph is showing us.

21A. Yeah. Yeah. So thank you for letting me try to22be a little more layman in terms of what I talk about.

23 So if you think about this line, right? So, in 24 fact, that line has 500 dots to it, and you just can't see 25 them because they are so close together. So it's the 500 26 different outcomes sorted from lowest milk price to 27 highest milk price.

28

If I take what's labeled on the horizontal axis as



51, observation 51, that tells you 10% of my observations of milk prices roughly occurred at \$16 or less. All right? So there's a 10% chance we could be below \$16. Every single one of those gives us, then, ten percentiles, if you will. So when you get to 251, that's going to roughly give us back the average that we saw on the deterministic side.

8 It also says there's a tail up there, the last 10% 9 on the very right-hand side of my -- of the graph that 10 says milk prices could be \$25 or higher.

Now, I think some look at those tails and go, those tails are too big. We have never seen almost \$10 all-milk. When we got almost \$26 in 2022, it made my right-hand tail at least look a little better. I want tails that are bigger than what we have actually experienced because I know there's probability outside the ends.

Now, if we have \$11 all-milk, I bet that goes with \$2 corn. So what's the likelihood of \$2 corn happening in front of us? Probably not big, either. But it just reminds me to say, you know, feed costs matter in terms of what the milk prices are that we get back out of that scenario.

But that -- that graph is meant to represent here, sorted from the lowest price to the highest price, the different levels of milk prices we're looking at when we examine this on a stochastic basis.

28

Q. Okay. Thank you.



And then do you have confidence intervals around 1 2 the results that you show for each of the different runs? So we don't have confidence intervals around 3 Α. 4 those. So we don't draw on everything we can draw on. So when I say a stochastic baseline approach, it's somewhat a 5 subjective stochastic baseline approach. I'm picky, the 6 7 things that I think are most important to draw from in 8 terms of the exogenous data. That has been by working 9 through drawing on different things, what's important to 10 draw on. And if I draw on another variable, how much does that increase the distribution? 11

12 If I was going to be critical of what we have 13 done, those confidence intervals should grow as we go 14 through time, because we're less certain about price 15 projections in 2032.

Well, I'm certain about one thing in 2032, they
will be wrong. But the fact that as we go through time,
those confidence intervals, if I was to try to calculate
them, should go higher, and we don't tend to see that out
of the approach that we have taken.

Q. Okay. All right. I wanted to turn to -- let's
see. Let's go to slide 10.

So we have heard a lot of talk over the course of the hearing, again, some people estimate that the National Milk changes in Make Allowance would result in a \$0.50 impact in the first year, and your analysis would forecast a \$0.30 impact.

28

I think I know why, but for the record could you



talk about why would we see this difference?
 A. Yeah. So I actually opened my written testimony
 to page 12 as well to go along with this discussion.

And so at the very bottom is an easy answer to 4 that question. If you just put the Make Allowances in, 5 6 you are right about the 50-some-odd cents. But when you 7 look at Table 4 at on page 12 of the written testimony, 8 you will see in 2023, for example, cheese prices are \$0.02 higher. So the already beginning of less supplies of milk 9 10 generates higher wholesale product prices, offsets the 11 simple calculation of what happens when you increase the 12 Make Allowances.

Q. Okay. So the \$0.50 is just looking at the one
piece of the puzzle, where your analysis is looking at --

15 A. It's the response to that single piece of the 16 puzzle. How do all the market participants respond to 17 then what's the start of the shock of increasing the 18 Make Allowance? And we get product prices that move 19 higher as a result, so it moderates those impacts.

20 Q. So I want to turn to the discussion on the barrel 21 cheese proposal, which is on slide 11, and I think the 22 written part starts on page 7.

And you talk about, you use the relationship between the block and barrel cheese prices between 2000 and 2022. Kind of, as I mentioned before, you know, we have had evidence in the record of how those prices have become much more volatile than, say, the last six to eight years.



And so I am wondering if you could just opine a little bit about how what that might mean in reality versus maybe what the analysis is showing us?

And so it's a good question. I would probably 4 Α. turn to page 12, the slide that looks at the change in the 5 Class III price scenario, let's baseline for a minute to 6 7 say, when you think about the last few years, you're 8 probably at the right side of that -- of that figure, so not at the full. And so if one wanted to cut down to the 9 10 more current period where we have seen a bigger difference, I think I would start to describe it by 11 12 looking at the right-hand side of that figure to get a 13 better reflection of the impact.

Q. So on slide 13 you were talking about the Class I mover. And in your discussion, which is on page 8, your written testimony, you talk about how the differences since 2020 between the Class III and IV prices have tended to be more extreme.

How would you define extreme in how you have used it?

A. So I guess just bigger differences between Class III and Class IV. We have seen more times where they maybe haven't moved in a similar direction, more of late. And I think when you look at the graph that's on page 14 of my presentation -- so, again, let's -- let's stop long enough to -- what the heck does that gold line really mean that's there?

28

1

2

3

So when we looked at the 500 outcomes in 2024



only, it would say in some cases, it's a Class III price that runs nearly \$6 below the Class IV price, and in other cases, the Class III price that's running \$6 above the Class III price. So those tails I think is where we have been finding ourselves more often as we've looked at the last few years.

7 I'm not sure whether -- I say that is -- those 8 extremes continue in front of us or not, but I want to 9 know how picking a Class I mover is affected depending on where I'm at in that distribution of Class III versus 10 Class IV. My hunch is, had we done this kind of work ten 11 12 years ago, there would be a lot less variability in this 13 line in the difference between Class III and Class IV 14 prices than what's sitting here today for the analysis.

Q. So could we think of it as though -- because things are getting more volatile, we will see less normal distributions of outcomes as you do an analysis like this, because it's taking that volatility and variability and it's showing up in the tails?

A. So I -- I don't know that I can, with the model, give you the answer to that question. My gut tells me that, yes, we probably do see that variability where we get things moving differently, a little less in lockstep than maybe what we have seen historically. But from a modeling standpoint, I'm not sure that I have anything that really addresses that question very well.

Q. Okay. Can I ask why you -- the lines are at \$1.48
and minus \$1.48?



So it's the \$0.74. So if we think about what the 1 Α. 2 current --3 Ο. Oh. -- about what the current average plus 74, it 4 Α. tells us, you know, where do we get outside of where -- so 5 within the bands of minus \$1.48 to plus \$1.48, the average 6 7 plus \$0.74 would return a higher Class I mover, get 8 outside those bands, the higher-of would return a higher 9 Class I mover. 10 Okay. Thank you. Our Class I mover discussion 0. 11 was so long ago, that I forgot that 1.48 was important. 12 So if I move to slide 15, and this is where you 13 have these bar charts, can you just tell me what the 14 numbers on top of the columns, the bars represent? 15 Yes, sorry. So those are the Class I mover prices Α. 16 on average for each of the bins of 100 outcomes. So in 17 the case of bin 1, so these would be the lowest Class III 18 less Class IV prices, of the difference between Class III 19 and Class IV. The Class I mover under the average plus 20 \$0.74 would have returned 17.54 on average across those 21 hundred observations, whereas under the higher-of it would 22 return \$18.68 per hundredweight. 23 And just so I want to make sure we're clear. When Ο. 24 you say the "lowest," it's the lowest of the number of 25 observations. So if we go back to that chart, it would be

26 the first hundred in that distribution?27 A. That is correct. It's lined up. So the first

28 hundred of this previous chart would equate to those



1 average Class I movers.

Q. Okay.

A. And the same bins go across. Sometimes I think it's easier for folks to understand the binning of let's do a hundred at a time instead of all 500. These charts really tell the same story.

7

2

Q. Yep. These look at the averages.

8 Would there be a difference if we looked at the 9 median? Or -- and I think you talked a bit in some 10 discussion about why you chose to look at averages versus 11 a different method, but just curious about that.

A. So they will be different. I don't see them significantly different in most cases. I mean, you can really turn back to a slide like 14 and say, how normally distributed are my outcomes? They are fairly normally distributed. I think it's going to give us a mean and median that are very close to each other in that case.

18 Q. Moving to the updating the skim solids component19 that's on slide 16.

I just want to be clear. I think you mentioned it. You just looked at the initial change. You were not able to look at any subsequent changes National Milk has proposed?

24

A. That is correct.

Q. I wanted to spend a bit on the Class Idifferentials to kind of understand what you did.

27 So when I look at this chart on slide 17, it has 28 the same categories to be consistent with the other



charts. Well -- well, first I see the Class I mover as
 lower, so I'm curious about that.

But as -- as a follow-up, I'm guessing that the all-milk price at the bottom reflects the differential increases that aren't necessarily reflected in these other four categories, and I wanted to see if I was correct or not about that?

A. So you are correct. And, again, when you see a
U.S. all-milk price in 2023 that's \$0.17 higher than the
baseline under that scenario, you know the Class I
differential increase was enough to offset what were lower
Class I mover, Class II, Class III, Class IV.

And so perhaps I -- I should have changed and put a Class I milk price in that top row so it was a little clearer about what -- what's happening, but Class I differentials increase enough that you are offsetting now.

17 Again, why are these class -- minimum class prices 18 moving lower? When you have \$0.17 higher all-milk price, 19 you get some supply response to that, so additional milk 20 supplies push those regulated minimums lower. And to me, 21 this is yet another reason why when you are doing this 22 system approach, you recognize that there's -- the first 23 step, right? Raising Class I differentials. But that has 24 implications to producers in terms of additional milk 25 supplies. And that simultaneity of finding the new 26 equilibrium is what this modeling process, I think, is 27 best at doing.

Q. Okay. And these numbers on here, just to make



²⁸

sure everybody -- the record's clear, they are not point in time. They are average, 500 -- the average of 500 different observations is what gets you this, for example, negative \$0.22 in the Class I mover in 2023?

5 A. Yes. So we could probably pull out one of the 500 6 and show a little different result than the average of the 7 500. But, yes, these represent the average of the 500 8 outcomes.

9 Q. So our Class I differentials, as you know, are 10 county specific.

11 So I was just wondering if you could expand on how 12 are you -- how did you account for that in the model?

A. Yes. So I go order by order and -- and tried to figure out what an average Class I differential change was for each of the orders based off of the county information that National Milk supplied to me. That -- that's my starting point, since I don't do county-by-county kind of information.

Okay. On page 10 of your statement you have a 19 0. It's 20 sentence in there, let me see if I can find it. 21 right in the middle of the page, and it reads, "The 22 combination of the five individual changes are nearly 23 linear, but some of the interactions between the five 24 individual changes result in some very minor 25 non-linearity."

26 So could you expand on what you mean there? 27 A. So in simple terms, if I looked at the very last 28 table in the PowerPoint presentation, so page 18, if I



took the average of the first five lines, if I was
 completely linear, I would get this -- the overall change
 in the U.S. all-milk price, putting them all together.

And I think just as you layer them on one at a 4 time, it's not completely linear, so you -- how you pick 5 and choose which of the -- these five you might want to 6 7 analyze, you will get slightly different answers. I just 8 wanted to make sure I made the point that, you know, 9 pretty much the model's linear so it doesn't matter, but 10 there's a little bit of nuance there that we have some 11 non-linearity. We have endogenous variables that are 12 divided by other endogenous variables. It creates a little bit of non-linearity in the model. 13

To some comments that I think were made off the record late yesterday about models blow up. Non-linearity is a great way to have a model that does not behave very well when it gets into extreme outcomes.

Q. I have heard that many times from our economists
in the Department, so I understand that. Okay. Thank
you.

I wanted to ask you a couple of other questions that aren't necessarily based on your direct testimony. But I wanted to talk about -- and you mentioned it a little bit -- about how when the mover discussion happened with the 2018 Farm Bill, nobody thought what would -- you know, we would have a pandemic or whatever and things would turn out the way they did with that change.

28

So I guess the question is, considering all your



observations, I mean, what sort of conditions aren't -maybe aren't we foreseeing now that would result in -that's a pretty loaded question, but you are up here, so
I'll ask, right? So we have recent experience of things
not necessarily turning out for some parties the way they
wanted, and because we didn't think something would
happen, so...

A. And I think it's equally important to remember,
when we first went to the higher-of, I don't think anybody
truly understood the potential positive implications from
a higher Class I mover. I think we glossed over a little
bit of what the higher-of really meant to us at the end of
the day. What are we missing?

I often say, could you please ask me in 2032 what the formula should have been for the Class I mover? I will know with certainty what we should have done. All right?

18 So now, this is, how do we create something that 19 most avoids some of the things we didn't like going 20 through COVID? And I don't have a good answer to that 21 question. I'm glad this is one for AMS to get to grapple 22 with as they look ahead. And I would just remind everyone 23 that the crystal ball is not always clear when you are 24 trying to figure out where those markets move in front, 25 just at least to acknowledge that we need to look at these 26 over a range of potential outcomes is important. And 27 everybody in the industry is going to like outcomes that I 28 think help us reduce some volatility that we have tended



1 | to see.

2 Q. You mentioned that you think some people -- some 3 of the positives, what you determined positives in the 4 change in the mover, got lost.

5 Wondering if you could expand on that thought --6 lost in the discussion?

7 Α. Yes. So I guess my point being raised back when we were doing reform in 2000, I think it was almost a 8 9 foregone conclusion, oh, we should use the higher-of III 10 and IV for the mover. And I'm not sure we did the same kind of backward-looking, what would that have meant 11 12 historically. And so I think we underestimated the 13 potential bump we got when you got to pick the higher of 14 the two. Some might have said, well, that's pretty close 15 to the average of the two, and it's been anything but 16 that. And it's gotten more volatile. It's gotten even 17 where it's even much more important about whether you are 18 using the average over the higher-of.

19 But I -- I -- I always go hindsight is going to be 20 absolutely 20/20 in this case. And here's another one 21 where, although I think a few of us might have suggested 22 some very outlying observations that folks should have 23 thought about during the 2018 Farm Bill, that decision was 24 probably made before we could -- and -- and many people 25 weren't focused on just how wide those price differences 26 could be, because they hadn't really happened historically 27 very often. And I remind myself of history is not 28 necessarily a good predictor of the future.



Q. We have a number of proposals that are being offered with delayed implementation, one of those being a Make Allowance proposal that would phase in. There's also talk of delaying implementation of changes because of risk management, to take that into account, that people use more risk management.

7 So I wanted to ask based on your experience, your 8 opinion on how a delayed implementation could alter 9 expected results, and does the fact that you know there's 10 going to be a change a year from now, and you -- let's say 11 as an example, and you know what that change is, are you 12 able to -- would you expect people to moderate their 13 behavior that then might kind of moderate actually what 14 happens because they have had more time to adjust?

A. So if you give people more information that they can make better decisions for longer-term, absolutely they are going to start to thinking about ways they can adjust to what's coming in front of them.

If you think about this idea of stepping into change, sometimes I say, well, perhaps that affects the path. It's a little less bumpy out of the gate, you know, you look at the results of the scenarios I have run, the biggest effects are what? Year one results.

So if you think about ways to implement them across time, maybe you smooth that out a little bit. But it doesn't affect, frankly, where the long-run side of this comes out, it just affects the early path for me in terms of thinking through what that means.



My last question, and it's been discussed with 1 0. 2 other cross-examiners about your elasticity assumptions in your model. And we talked a little bit about that. 3 Just 4 wondering if you might talk a little bit about how changes to your elasticity assumptions would change the results. 5 I mean, as you mentioned, everyone makes assumptions, and 6 7 you can find numbers -- but I don't want to say that word, 8 that's not what I mean by any stretch -- but you pick a 9 number and you get a result.

10 So I generalized in a couple of ways. So if -- if Α. you tend to have models that are more elastic, you are 11 12 going to get less price response as adjustments try to 13 happen. You're going to need a bigger product, a bigger 14 supply change, or a bigger demand change to try to get 15 balance. The more inelastic you are, the bigger the price 16 change you get for a given level of supply response. So 17 it's critical. It's critical to the answer to the 18 question.

Let me say, again, that as economists we all live in a little bit of a soft science world. I -- I do not throw stones at anybody that -- that, you know, might necessarily approach this idea of what are the correct elasticities differently. But I think it is impossible to point to one study to say, this is the right elasticity, without a lot more scrutiny over time.

26 So I -- I do like this idea of, I want to look 27 across the literature to see what everybody is saying 28 about elasticities as I look at what our model says



1 relative to what else is out there in the literature. But 2 this is -- this -- the results that you see today are very 3 much driven by the elasticities that we have sitting in 4 the model.

I'm happy that they look mighty close to what the 5 Economic Research Service does in their own model, because 6 7 those two models look awful familiar, and perhaps some 8 discussion with AMS staff in the past that have built these kind of models, they also seem to be somewhat 9 10 consistent. Now, maybe we're all wrong with those elasticities, but -- but it gives me a little bit of hope 11 12 when we're all trying to do some similar things that we 13 tend to find similar answers.

14 Q. I think that's all from AMS.

MS. TAYLOR: Thank you for your time today. THE WITNESS: Thanks.

THE COURT: Mr. Rosenbaum.

CROSS-EXAMINATION

19 BY MR. ROSENBAUM:

15

16

17

18

20 Q. Steve Rosenbaum, International Dairy Foods21 Association.

I would assume that the emergence of a new competitor might have -- in anything -- might have a material effect on elasticities for a given product, correct?

A. The industry is always going to be adjusting, yes.
Q. But, I mean, there can be some new form of
competition that a particular segment in the industry has



never faced before that all of a sudden becomes a real
 competitor, right? That could happen?

3

A. I suppose that scenario could play out.

Q. Did you -- have you read the 2023 study that was published by three authors, including one from USDA, that basically concludes that, for example, plant-based beverages are a substantial competitor to fluid milk, and studies that concluded otherwise have -- have failed to, if you will, address the real competitive world that milk now faces?

A. So, yes, I'm aware. This is to my point of, I like to look across all the different studies that are out there. That's one that, again, would be worthy of including, but I want to look at the range of what's out there as I think about what's appropriate elasticities.

Q. I mean, I assume that if you looked at any study done more than -- I'm going to pick a rough number -- ten years ago, probably would have been no contemplation of plant-based beverage competition. Would you agree with that?

A. That is certainly one of the new things that weface as we think about competition relative to fluid milk.

Q. Let me -- and your ultimate conclusion is the
National Milk proposals would raise all-milk prices
modestly; is that fair, when you consider all the factors?

A. Modestly in the early period, but very modestly asyou go further out in the analysis period.

28

Q. But, I mean, that -- the reason for that result,



1 in part, is the Make Allowance changes they are making, 2 correct? I mean, that's one of the factors that you are including in your ultimate conclusions, right? 3 So my analysis is analysis of their proposals, 4 Α. 5 yes. 6 0. Right. Okay. So I'm not suggesting, you know, 7 you did this, but, I mean, it certainly was open to them to pick a Make Allowance proposal that would come up with 8 9 a rough result like this if that's what their goal was, 10 right? 11 Α. So perhaps I -- it's -- I think it is a good 12 opportunity to say, you know, when this work all started, 13 it was about one or two phone conversations between me and 14 Jim Sleper and Peter Vitaliano with National Milk, that 15 they said, "Hey, we want you to analyze; here's the 16 assumptions we want you to make." That was the last time 17 I heard from them until I delivered the results. 18 So it wasn't a, "Hey, let's look at these 19 Make Allowances, and then maybe I'm going to give you a 20 different set." I only had one set of Make Allowances to 21 look at at that entire time --22 But I mean, they are -- they are --0. 23 MS. HANCOCK: Your Honor, if he could just not be 24 interrupted and let him finish his answer. 25 MR. ROSENBAUM: I thought he was finished. 26 BY MR. ROSENBAUM: 27 0. Go ahead if you have more to say. 28 So, again, this wasn't a hunt-and-seek approach Α.

1 to, run this first set of scenarios; hey, we might want to 2 give you a different set of Make Allowances. Those were one-and-done, if you will. 3 Right. I mean, obviously, they are Ph.D. 4 0. economists themselves, right? 5 6 Α. Yes. 7 Ο. Okay. So I mean, my question is, if they -- if someone came to you and said, "We want you to run some 8 9 scenarios and we want you to include a Make Allowance of 10 X, and the Make Allowance, as has been discussed, is going 11 to be the cap on how much a dairy processor can 12 receive" -- because everything over the cap they have to 13 pay the farmer -- "and we want you to assume a 14 Make Allowance that represents a materially lower amount 15 than the actual cost of making the product, " would that 16 strike you as a reasonable thing to do? 17 Α. So I think the response here is, we can run 18 through the model alternative assumptions for things like 19 Make Allowances. We have equations that try to predict 20 how milk allocation unfolds as you run different 21 Make Allowances. It's not the model's objective to say, 22 well, this is good policy or bad policy. It's really just 23 to quantitatively assess the impacts, and that's really 24 what I have been trying to provide in my work back to 25 National Milk.

Q. And so to follow up on that, there's no suggestion here that the Make Allowances that underlie the results you achieve --



1 (Court Reporter clarification.) 2 BY MR. ROSENBAUM: There's no sense in which the Make Allowances that 3 Ο. you are using in your models are appropriate or not, 4 correct? 5 Α. 6 There are assumption changes that I'm making to 7 see what the impacts on the industry is from alternative 8 Make Allowances. And I mean, do you, as a -- as an agricultural 9 0. 10 economist, have a view as to whether Make Allowances 11 should, in fact, reflect the average cost of producing the 12 product? 13 I -- so I think the difficulty in this discussion Α. 14 is what is the average cost of Make Allowances, and part 15 of what the discussion is here about what's appropriate. 16 Given that we haven't changed them for decades, perhaps 17 that's the reason why we need some adjustment. 18 But that -- that, to me, is -- is the important 19 piece of the puzzle of what I bring as the quantitative 20 assessment without saying, I advocate for these or I don't 21 advocate for these. This is what the model generates that 22 I have used for a long period of time to look at a number 23 of policy alternatives. 24 MR. ROSENBAUM: That's all I have. 25 THE COURT: Agricultural Marketing Service 26 microphone on, please. 27 11 28 11



TRANSCRIPT OF PROCEEDINGS

| | NATIONAL F | EDERAL MILK MARKETING ORDER PRICING FORMULA HEARING | | | | |
|----|--|---|--|--|--|--|
| 1 | | CROSS-EXAMINATION | | | | |
| 2 | BY MS. ' | TAYLOR: | | | | |
| 3 | Q. | I just have one quick question as we noticed going | | | | |
| 4 | through | this. | | | | |
| 5 | | I'm on any of your results tables, and under | | | | |
| 6 | wholesa | le prices it says, "Nonfat dry milk" | | | | |
| 7 | THE COURT: Slow, slow, slow, please. | | | | | |
| 8 | | MS. TAYLOR: I get so excited. | | | | |
| 9 | BY MS. TAYLOR: | | | | | |
| 10 | Q. | It says, "Nonfat dry milk, AA." | | | | |
| 11 | | What does the "AA" stand for? | | | | |
| 12 | Α. | So I think that's a misquote or a mistake in | | | | |
| 13 | the determination of what that nonfat dry milk price is. | | | | | |
| 14 | It's an | old double Grade A price | | | | |
| 15 | Q. | Okay. | | | | |
| 16 | А. | but not what we're using today. It just got | | | | |
| 17 | left ov | er on the left-hand side. | | | | |
| 18 | Q. | Okay. | | | | |
| 19 | А. | We're using survey prices. | | | | |
| 20 | Q. | Okay. So the other ones have "CME" after them. | | | | |
| 21 | А. | Yeah, yeah. So they all should suggest survey | | | | |
| 22 | prices, | not | | | | |
| 23 | Q. | Oh, NDPSR prices? | | | | |
| 24 | А. | Yes. My my thank you for clarifying. | | | | |
| 25 | That's | my mistake. | | | | |
| 26 | Q. | No problem. | | | | |
| 27 | | MS. TAYLOR: That's all I have. Thanks. | | | | |
| 28 | | THE COURT: Ms. Hancock. | | | | |



| | TRANSCRIPT OF PROCEEDINGSDecember 06, 2023NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING | | | | | | | |
|----|---|--|--|--|--|--|--|--|
| 1 | MS. HANCOCK: Thank you, Your Honor. | | | | | | | |
| 2 | REDIRECT EXAMINATION | | | | | | | |
| 3 | BY MS. HANCOCK: | | | | | | | |
| 4 | Q. I just have a couple of questions, Dr. Brown. | | | | | | | |
| 5 | There was some discussion about when you ran your | | | | | | | |
| 6 | model results in January there might have been some | | | | | | | |
| 7 | changes after that in the 3100 counties that came out of | | | | | | | |
| 8 | the model results. | | | | | | | |
| 9 | Can you opine on whether those changes would have | | | | | | | |
| 10 | had any material effect on the model results as you have | | | | | | | |
| 11 | run them? | | | | | | | |
| 12 | A. So I think it would depend on the magnitude of the | | | | | | | |
| 13 | results, but I I guess I probably wouldn't expect big | | | | | | | |
| 14 | changes from what I saw in the set of Class I | | | | | | | |
| 15 | differentials that I ran. | | | | | | | |
| 16 | Q. I want to Mr. Rosenbaum talked with you about | | | | | | | |
| 17 | Exhibit 424, and that's the March 2022 U.S. Agricultural | | | | | | | |
| 18 | Market Outlook. | | | | | | | |
| 19 | I'm wondering if you could just give us a little | | | | | | | |
| 20 | bit of context to know, when do you start compiling the | | | | | | | |
| 21 | information that gets reported in that March of 2022 | | | | | | | |
| 22 | report? | | | | | | | |
| 23 | A. Yeah. So we actually really start that | | | | | | | |
| 24 | development process in about October of 2021. | | | | | | | |
| 25 | That would be first to construct a preliminary | | | | | | | |
| 26 | baseline; that would occur in November. | | | | | | | |
| 27 | In December, we tend to then have a review from | | | | | | | |
| 28 | other ag economists, other stakeholders about that | | | | | | | |
| | | | | | | | | |



1 long-term baseline. 2 We will then come back in early January and run the final baseline. That first cut of the final baseline 3 4 would be a deterministic process. And then after that is finished in January, we 5 come back in February and we'll talk about adding the 6 7 stochastic component to the baseline. And then make that delivery to Congress sometime 8 9 in early March. 10 And if we look at page 63 of Exhibit 424, you're 0. reporting in this March of 2022 report, you have an 11 12 all-milk price that's reported for 2021, and then 13 forecasting in 2022, and then forecasting out until 2031; 14 is that right? 15 Α. That is correct. 16 And so when you are running those numbers, you 0. 17 don't yet know what 2023 is going to be yet; is that fair? 18 And that is correct. We were running this in Α. 19 2022, so 2023 was purely a forecast almost 12 months into 20 the future when this was done. 21 So you forecasted, at least in Exhibit 424, a 0. 22 baseline of \$20 for the all-milk price for 2023; is that 23 right? 24 Α. That's correct. We did pretty good. 25 It turned out it was a little higher than that, 0. 26 though; is that right? 27 Α. So -- so 2022 actually got higher. We would have 28 ended up 2022 with in excess of \$25 all-milk prices. So



1 remember, we were in 2022 when we were making that '22
2 forecast, so we weren't very good with the current year.
3 We did much better in 2023.

Q. Okay. So 2022 ended up being more than \$3 higher
5 than what you have included in Exhibit 424?

A. That's correct.

6

7

8

9

Q. And is that one of the numbers that was updated with National Milk when you were running the modeling for National Milk?

10 Yes. So when you look at the graph of the Α. Yeah. 11 deterministic milk price that's on page 7 of the 12 PowerPoint presentation, you now see 2022 sitting nearly \$25 per hundredweight, which was really getting us much 13 14 more close to what the current situation was, or that we 15 thought it was going to be for all of '22, and we were 16 doing this baseline in July of 2022.

Q. So at anytime when you were having conversations with National Milk, Dr. Vitaliano and Mr. Sleper, or anyone else with National Milk, did anyone at National Milk ever provide you any subjective input that you should include in the baseline?

22 A. No.

Q. And so was the only input that you received was to make sure that whatever baseline you used was the most updated and accurate based on objectively measurable numbers?

27 A. That is correct.

28

Q. At any time did you ever cherry-pick data or



1 disregard any data or model results because it was 2 unfavorable to National Milk or its proposals? No. 3 Α. As you sit here today, do you have an 4 0. understanding as to whether National Milk tried to use a 5 Make Allowance to drive an outcome in the model results? 6 7 Α. I do not. MS. HANCOCK: Your Honor, I don't have any further 8 9 questions. With that, we would move for the admission of 10 Exhibits 421 and 422. 11 THE COURT: Is there any objection to the 12 admission into evidence of Exhibit 421, also NMPF-60? 13 There is none. Exhibit 421 is admitted into 14 evidence. 15 (Thereafter, Exhibit Number 421 was received 16 into evidence.) 17 THE COURT: Is there any objection to the 18 admission into evidence of Exhibit 422, also marked as 19 exhibit NMPF-60A? There is none. Exhibit 422 is admitted into 20 21 evidence. 22 (Thereafter, Exhibit Number 422 was received 23 into evidence.) 24 MS. HANCOCK: Thank you for your time, Dr. Brown. 25 THE WITNESS: Thank you. 26 THE COURT: Mr. Rosenbaum. 27 MR. ROSENBAUM: Your Honor, at this point I would 28 like to move into evidence Hearing Exhibit 423, which is



IDFA-Exhibit 59, and Hearing Exhibit 424, which is
 IDFA-Exhibit 60.

THE COURT: Is there any objection to the admission into evidence of Exhibit 423, also IDFA-59?

5 MR. HILL: This is Brian Hill from the USDA. I 6 would prefer if this was admitted with their witness, 7 Mr. Brown. As it appears, 423 does include information 8 from the USDA, but there's also some manipulation of the 9 USDA's numbers, and so I think that deserves some 10 cross-examination.

THE COURT: Mr. Rosenbaum, your response?

MR. ROSENBAUM: Well, I think, Your Honor, your consistent ruling has been that if people put in government evidence and it can be replicated by others, that you have admitted it on that ground.

I will repeat, as I said before, Mr. Mike Brown is one of the people who prepared this document, and he will be a witness and be able to explain it further, if anyone wants him to do that, or I may ask him myself. But having said that, I do think this qualifies for admission at this time.

THE COURT: I disagree. When I looked at the others, for example, those that MIG presented, and I looked at the legend, I felt that I could do those calculations myself if I needed to, to determine whether the added material was accurate.

I have no such confidence in this one. I reallywill need your witness.



11

1 MR. ROSENBAUM: All right, Your Honor. We'll put 2 it in through Mr. Mike Brown. THE COURT: Thank you. 3 So I agree with you, Mr. Hill, and I will defer my 4 decision with regard to Exhibit 423 until we have further 5 evidence, which I expect to be soon. 6 7 And with regard to Exhibit 424, also IDFA-60, is 8 there any objection to the admission into evidence? There is none. Exhibit 424, is admitted into 9 10 evidence. 11 (Thereafter, Exhibit Number 424 was received 12 into evidence.) THE COURT: Now, is there anything further before 13 14 I allow Dr. Brown to step down? 15 There is not. 16 I thank you very much. I appreciate your being 17 here. I am honored that you gave us what you give 18 Congress. 19 Now, Mr. English. MR. ENGLISH: Your Honor, as -- my name is Chip 20 21 English for the Milk Innovation Group. 22 As discussed this morning, the next witnesses we 23 would propose to be Mr. Joe Carson and Mr. Joe Shockey. 24 Mr. Carson is with United Dairy; Mr. Shockey is a 25 dairy farmer who ships to United Dairy. And we have done 26 in the past a couple of different panels, and I have a 27 number of documents, all were submitted last night, to 28 have marked.



1 THE COURT: So we'll go off record in just a 2 moment, but I want to make sure while we're on record that our next exhibit will, in fact, be 425. Yes. 3 So with that as our starting point, Mr. English, 4 we'll go off record while these are marked and 5 distributed. 6 7 We go offer record at 1:56. (An off-the-record discussion took place.) 8 9 THE COURT: Let's go back on record. We're back on record at 2:05. 10 11 Mr. English, I have marked exhibits in front of 12 Do you want me to tell you what I have? me. 13 MR. ENGLISH: Or maybe I can tell you what I think 14 you have? THE COURT: That would be excellent. 15 16 MR. ENGLISH: You have United Dairy-001, which I believe has been marked as Exhibit 425. 17 18 THE COURT: Correct. 19 MR. ENGLISH: Which is the testimony of Joe 20 Carson. 21 (Thereafter, Exhibit Number 425 was marked 22 for identification.) 23 MR. ENGLISH: You should have United Dairy-002, 24 which I believe has been marked as Exhibit 426, which has 25 a 2023 September map JPEG label. And it has -- so a 26 framework of parts of Pennsylvania, Ohio, Kentucky, West 27 Virginia, Virginia, and shaded areas of North Carolina, 28 South Carolina, with some stars and circles that --



1 THE COURT: Correct. 2 MR. ENGLISH: -- will explain it. (Thereafter, Exhibit Number 426 was marked 3 for identification.) 4 MR. ENGLISH: You should have United Dairy-003, 5 6 which I was believe has been marked 427, which is another 7 map that says "map for me," and it has sort of portions of 8 Michigan, it has parts of the Great Lakes, over the 9 Atlantic Ocean, down through Tennessee and South Carolina, 10 and then a listing of some plants that the witness will 11 explain. 12 THE COURT: Plants that what? 13 MR. ENGLISH: That the witness will explain. 14 THE COURT: Ah, good. That's correct. 15 (Thereafter, Exhibit Number 427 was marked 16 for identification.) 17 MR. ENGLISH: You have United-004, which has been 18 marked as Exhibit 428, which is an Excel spreadsheet, not 19 created by MIG, labeled "Change Versus Current," with --20 again, we'll have the witness explain, but basically 21 listing Michigan plants, Indiana plants, Ohio, Kentucky, 22 Pennsylvania, West Virginia, Maryland, Virginia, North 23 Carolina, and South Carolina. 24 THE COURT: Correct. 25 (Thereafter, Exhibit Number 428 was marked 26 for identification.) 27 MR. ENGLISH: You have -- that's the last United 28 Dairy.



TRANSCRIPT OF PROCEEDINGS

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

1 You then have Shockey, S-H-O-C-K-E-Y, 001, which 2 is the testimony of Mr. Joseph Shockey, DVM, Exhibit 429. (Thereafter, Exhibit Number 429 was marked 3 for identification.) 4 THE COURT: I did not realize that Dr. Shockey is 5 appearing. Wonderful and correct. 6 7 MR. ENGLISH: And then finally, you should have Shockey-002, which is exhibit -- should have been marked 8 as Exhibit 430, which is his own map, similar but 9 10 different from the map -- from one of the maps from 11 Mr. Carson, showing portions of what I would call the 12 Midatlantic and the Eastern Midwest, again, up to the 13 Great Lakes and down to the Atlantic Ocean, down to 14 Georgia. And that has been marked as Exhibit 430, I 15 believe. 16 THE COURT: Correct. Good. 17 (Thereafter, Exhibit Number 430 was marked 18 for identification.) 19 MR. ENGLISH: Now, what I propose doing, Your Honor, to have just a couple limited questions with each, 20 21 then have them each give their statements, and then I will 22 have some follow-up direct, and then they will be subject 23 to cross-examination, if that's acceptable. 24 THE COURT: That's fine. Now, both gentlemen are 25 seated here on the witness stand. Which one will you have 26 testify first? 27 MR. ENGLISH: Mr. Carson will testify first. 28 THE COURT: All right. Before I swear them in,

1 which I will do each one individually, I would like them 2 to have a chance to position the microphone so that it is most likely to be comfortable for Mr. Carson. Let's test 3 4 for just a moment, to see how that works. If you were just looking at your document and 5 6 reading it, let's hear how your voice sounds. 7 THE WITNESS: Testing. Is that good? I have a cold, so sorry if -- I'll try not to fall off too much as 8 9 I speak. 10 THE COURT: That's good. Very good. All right. 11 Then I'm going to swear each of you in. I'm going 12 to start with Mr. Carson, and I want you to state and 13 spell your name. 14 THE WITNESS: (Mr. Carson) Joe Carson, J-O-E, 15 C-A-R-S-O-N. 16 THE COURT: Have you previously testified in this 17 proceeding? 18 THE WITNESS: (Mr. Carson) No. 19 THE COURT: Dr. Shockey, I want you to state and 20 spell your name, please. 21 THE WITNESS: (Dr. Shockey) Joe Shockey, 22 S-H-O-C-K-E-Y. 23 THE COURT: And following your name, looking at 24 Exhibit 429, are the letters DVM. 25 What does that stand for? 26 THE WITNESS: (Dr. Shockey) Doctor of Veterinary 27 Medicine from The Ohio State University. 28 THE COURT: Thank you.



TRANSCRIPT OF PROCEEDINGS

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

| 1 | All right. I'm going to swear you in now, both of | | | | | | | |
|----|---|--|--|--|--|--|--|--|
| 2 | you together. Would each of you please raise your right | | | | | | | |
| 3 | hand. | | | | | | | |
| 4 | JOE CARSON, | | | | | | | |
| 5 | Being first duly sworn, was examined and | | | | | | | |
| 6 | testified as follows: | | | | | | | |
| 7 | JOE SHOCKEY, DVM, | | | | | | | |
| 8 | Being first duly sworn, was examined and | | | | | | | |
| 9 | testified as follows: | | | | | | | |
| 10 | THE COURT: Mr. English. | | | | | | | |
| 11 | MR. ENGLISH: Thank you. | | | | | | | |
| 12 | DIRECT EXAMINATION | | | | | | | |
| 13 | BY MR. ENGLISH: | | | | | | | |
| 14 | Q. So, Mr. Carson, first, we do not want your | | | | | | | |
| 15 | personal address. Could you provide a business address | | | | | | | |
| 16 | for the record, please. | | | | | | | |
| 17 | A. (Mr. Carson) 300 North 5th Street, Martins Ferry, | | | | | | | |
| 18 | Ohio, 43935. | | | | | | | |
| 19 | Q. And, Mr. Shockey, rather than what you may have | | | | | | | |
| 20 | put in your statement, do you have a business address | | | | | | | |
| 21 | rather than a home address, or is that the business | | | | | | | |
| 22 | address that is on your exhibit? | | | | | | | |
| 23 | A. (Dr. Shockey) The business is beside the home. | | | | | | | |
| 24 | Q. So 667 Crooked Run Road is the business address? | | | | | | | |
| 25 | A. (Dr. Shockey) Yeah. | | | | | | | |
| 26 | Q. And, Mr. Carson, United Dairy is a member of the | | | | | | | |
| 27 | International Dairy Foods Association; is that correct? | | | | | | | |
| 28 | A. (Mr. Carson) That's correct. | | | | | | | |
| 1 | | | | | | | | |

TRANSCRIPT OF PROCEEDINGS

December 06, 2023 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

1 Ο. You are not a member of the Milk Innovation Group; 2 is that correct? 3 Α. (Mr. Carson) That's right. But given what you and I might call a long-term 4 0. history between the two of us, you requested that I handle 5 this testimony today, correct? 6 7 Α. (Mr. Carson) That's correct. And you are appearing on behalf of United Dairy, 8 Ο. 9 correct? 10 (Mr. Carson) That's correct. Α. 11 THE COURT: A little more volume, please, for the 12 witness. 13 Mr. English. 14 MR. ENGLISH: Thank you. 15 BY MR. ENGLISH: 16 Would you please proceed with your written 0. 17 statement, Mr. Carson? 18 (Mr. Carson) Okay. Thank you. Α. 19 My name is Joe Carson, president and owner of 20 United Dairy, Inc. As a quick background, I'm a 1986 21 Miami University graduate of business, whereupon I worked 22 for Proctor & Gamble for several years before joining my 23 father in the family business he started back in the late 24 '60s, early '70s. My brother James, a University of 25 Michigan graduate, joined the company in the early '90s, 26 and together we run the business along with our longtime 27 CFO, George Wood. 28 I'll just add, we are an independent family-owned



1 business. 2 We started with one small fluid milk processing plant located in Martins Ferry, Ohio. We have been 3 4 fortunate to grow the business to three processing plants, Charleston, West Virginia, and Uniontown, PA, as well as 5 Martins Ferry, Ohio -- and this would be indicated on 6 7 Exhibit 426, what you all have for 426. THE COURT: So just so the transcript is accurate, 8 9 tell the transcript how to spell Martins Ferry, Ohio. 10 THE WITNESS: (Mr. Carson) M-A-R-T-I-N-S, 11 F-E-R-R-Y. 12 THE COURT: Thank you. 13 THE WITNESS: (Mr. Carson) We also have eight 14 branch depots throughout the five states, as indicated on 15 the -- by the blue dots on the map. The three plants are 16 regulated under Federal Order 33. The primary geographic 17 areas where our products are marketed are as follows: 18 West Virginia, Ohio, Western Pennsylvania, Eastern 19 Kentucky, Western Maryland, Western and Southwestern 20 Virginia, North Carolina, and South Carolina. While we distribute a full line of milk, juices, 21 22 drinks, cultured products, UHT products, and ice cream, we 23 are strictly a Class I fluid milk processor, and 24 therefore, have a major stake in Proposal 19. 25 United Dairy processes approximately 62 million pounds of milk per month. We service major national 26 27 grocery chains, independent supermarkets, convenience 28 stores, hospitals, institutions, restaurants, and schools.



These schools should be of concern, as many are in the 1 2 Appalachia area, where the population is decreasing every year, and our trucks drive into very remote rural 3 mountainous areas that are difficult to access. 4

As you are aware, NMPF Proposals -- Proposal 19 5 calls for higher prices to Class I plants, and therefore, 6 7 to the consumers and the school children in these areas, 8 which should be a major concern to USDA, as well as the 9 constituents and their representatives in these states.

10 As a note, we participate in the monthly USDA bids for food banks, and as a company, have made the decision 11 12 several years ago, I'll add, to invest heavily in the 13 automated corrugated packaging area with the intention of 14 packaging for USDA several years ago. To date, we have 15 supplied over 3 million units to the USDA Food Bank 16 program, mostly in our region of the country.

17 Our three plants are all located in Federal 18 Order 33 and have similar differentials which have been in 19 place for almost all of my career. Charleston, West 20 Virginia, is 2.20 differential; Martins Ferry is \$2 21 differential; and Uniontown is \$2.30.

22 THE COURT: And the 2.20, that's also a dollar 23 denomination; is that correct?

24 (Mr. Carson) Yes, that's right. THE WITNESS: 25 THE COURT: Now, you are turning to page 2 of 26 Exhibit 425, correct? 27

THE WITNESS: (Mr. Carson) Correct.

THE COURT: You may resume.

28



THE WITNESS: (Mr. Carson) Our milk supply comes mostly from independent producers located on average within a 175-mile radius from our plants. They vary in size from smaller 50-cow farms to 500-plus-cow independent farms. We supplement our raw milk needs with several co-ops and work well with the local milk shed to help balance the supply.

8 When milk is tight, as it tends to be in the fall, 9 the market will adjust through increases in Class I 10 over-order premiums. When there is an abundance of milk, 11 typically Class I premiums decrease. United has had no 12 problem getting milk as the over-order premium ensures 13 movement to the processing plants that need the milk.

I would like to point out that any change in the current differential structure would be a major problem for my company. We have lived with the current differentials for many years, and our farmers know what to expect from us. Also, our customers have programs and pricing in place, including contracts, based on this current cost structure.

United does not believe the current system should change, but any deviation from what it is in place should absolutely be equal to all Class I plants, whether it be cooperative, proprietary, or private family-owned. Failing to do so would lead to major disruptions in market chaos at farm levels, to the marketplace, and ultimately to the consumers.

28

I would like to stress the following points in



1 opposition to NMPF Proposal 19:

2 The current differentials have attracted plenty of milk for our customers, and ultimately our schools and 3 local consumers. United services over 500,000 children in 4 over 1400 school buildings from Columbus, Ohio, School 5 District, south and east in Ohio, Eastern Kentucky to 6 7 Southwest Virginia and West Virginia. In times of need, 8 if farm milk is short, we pay to get the raw milk to our 9 plants in the form of higher over-order premiums. In my 10 35-year career, we have never shorted a customer for a 11 lack of milk because the premium system works.

12 Drastically adjusting differentials is not the 13 answer to attract milk to far away milk sheds, because the 14 market premiums will take care of that. When I read the 15 Federal Order system is broken or archaic, my first 16 thought is, they aren't taking into account how the market 17 over-order premiums work, as they certainly have worked 18 through the years for my company. They have evolved over 19 time, and they adjust when there's too much or too little 20 milk in certain milk sheds, enticing milk to where it 21 needs to go.

THE COURT: And I just want to make a small change on our record copy to conform with what you have just told us. We're in the paragraph number one that you just completed reading, and on page 2, the fifth line down in that paragraph, you inserted the word "milk."

27 So I'd like you to read the sentence beginning 28 with the end of the fourth line, read that sentence again,



"in times of need." 1 2 THE WITNESS: (Mr. Carson) In times of need, if farm milk is short, we pay to get the raw to our plants in 3 4 the form of higher over-order premiums. THE COURT: So when you read it the first time you 5 inserted after the word "raw," what word? 6 7 THE WITNESS: (Mr. Carson) "Milk." THE COURT: And that's what I would like us to 8 9 insert on the record copy. All right. 10 And now, are you ready to move to your paragraph that has a number 2? 11 12 THE WITNESS: (Mr. Carson) Yes. 13 THE COURT: You may. 14 THE WITNESS: (Mr. Carson) United has been 15 fortunate to survive in a segment of dairy that shrinks 2 16 to 4% each year for the last 20 years or so. So much has 17 changed. The family unit is smaller, people eat their 18 meals out, on the go, and don't sit down for dinner and 19 pour a glass of milk. Same with breakfast, as cereal 20 sales are down double digits the last five to seven years. 21 Alternative beverages such as almond and soy milk have 22 also severely cut sales of Class I fresh milk. 23 Basically, Class I sales are down and forecasted 24 to be down -- I'm sorry. Class I sales are down and 25 forecasted to continue to drop, so now NMPF wants to 26 increase costs another \$2 a hundredweight on average? 27 This makes no sense. 28 Higher prices for consumers for milk will just



slow down the sales even more. Milk is not 100%
 inelastic, contrary to popular belief. Perhaps it is
 between 2 and \$3 a gallon at retail, but not \$5 a gallon.

4 My experience is when milk reaches these heights, the Class I fluid plants suffer, as does the consumer, 5 especially those that can't afford the current higher 6 7 price of everything: Gas, electricity, their mortgage 8 payments. Staples like milk should not be arbitrarily -should not arbitrarily be raised to suit the needs of the 9 10 large co-ops who, in turn, would be the only beneficiary 11 of their proposed changes. This, of course, should not be 12 at the expense of the consumers, especially those residing 13 in the rural areas of Appalachia.

14 Number 3: United has competed with the co-ops, 15 and prior to the 2019, 2020 bankruptcy, the Dean Food 16 plants, for many years. Independent family-owned plants 17 have shrunk mightily in the last 35 -- in the 35 years 18 that I have been involved in managing United Dairy. While 19 we have been fortunate to survive and grow, thanks to our 20 customer base and our over 500 employees, 70% of which are 21 union, the proposal by NMPF would be the death now of our 22 company. I cannot stress this more.

Attachment 2 --

24 MR. ENGLISH: Is that now Exhibit 427?
25 THE COURT: Thank you.
26 So instead of Attachment 2, it's actually a
27 separate exhibit, Exhibit 427.

28

23

MR. ENGLISH: Is that correct, Mr. Carson? Do I



1 have the right one? 2 THE WITNESS: (Mr. Carson) Yes. Attachment 2 shows the location of fluid milk 3 4 plants in our region, mostly Federal Order 33 pool plants, but also several other fluid milk plants we compete with 5 in surrounding Federal Orders, Orders 1 and 5 6 7 specifically. THE COURT: Now, Attachment 3, Mr. English, if you 8 9 will help us. MR. ENGLISH: I believe that is Exhibit 428. 10 11 THE WITNESS: (Mr. Carson) Correct. 12 THE COURT: All right. So Attachment 3 is what 13 your statement reads, so you could just say "Attachment 3" 14 and then say "Exhibit 428." 15 THE WITNESS: (Mr. Carson) Okay. 16 Attachment 3, Exhibit 428, is a chart that shows 17 the disparity and inconsistency of Proposal 19 as it 18 relates to United Dairy's three processing plants. This 19 is shown on a per hundredweight and per gallon basis. 20 As you can see, United Dairy's costs increase 21 compared to every other competitor plant in our region. 22 In fact, as per the IDFA/MIG study on differentials, 23 United Dairy's three plants would receive the highest 24 increases in the country. This proposal is completely 25 unfair and blatantly gives an advantage to our 26 competitors. 27 The NMPF proposal raises our Charleston, West 28 Virginia, plant, which is the last HTST fluid milk plant



in West Virginia, by \$2.50 a hundredweight, an increase of 130%. Also, our two northern plants would increase by 110% and 120%, respectively. This is much higher than the cooperative plants that we have competed with through the years.

6 United's Martins Ferry, Ohio, plant has a proposed 7 differential increase of \$2.40, while most all other 8 plants in Ohio increase only by \$1.70. The DFA 9 Springfield plant would gain a \$0.06 per gallon advantage 10 over our plant, and we definitely compete with them in 11 Columbus, Ohio, and surrounding areas for business.

What happened to keeping plants that compete at the same levels? Wasn't that the NMPF decision-making process, per Dr. Erba's testimony? The same applies to our Uniontown, Pennsylvania, plant that competes in the Pittsburgh, Western PA markets.

17 The DFA Sharpsville, PA, plant gains \$0.20 per 18 hundredweight on our PA plant and \$0.50 a hundredweight on 19 our Martins Ferry, Ohio, plant on the border. This 20 proposal is simply an attempt to make United Dairy 21 uncompetitive with the co-op plants. There would be no 22 benefit to the farming communities around us or to the 23 farmers that ship to us in the long-run. Without our 24 plants, the cost to the farmers to ship their milk 25 elsewhere would increase, as they would have to drive more 26 miles to the next Class I plant.

27 And please understand, we would not be able to 28 pass on those higher increased these higher costs to our



1 customer base without the risk of losing them. Therefore, 2 we would need to try to absorb them, which would be 3 economically not possible, or risk passing along higher 4 market increases that co-op competitors aren't 5 experiencing.

In the end, adoption of NMPF's proposal wouldseriously threaten the viability of our company.

8 To reiterate, there will be no benefit to the 9 farmers that currently ship to United Dairy, and without 10 our plants being financially sound and able to operate 11 profitably, I only see market turmoil for my independent 12 farmers who ship to us. One such supplier, Joe Shockey, 13 is a great farmer who has shipped to our plants for many 14 years. He is here today with me and will be sharing his 15 own thoughts on how Proposal 19 will impact his farm. BY MR. ENGLISH: 16

Q. You want to read your summary first or you wanthim to read his statement first?

19

A. (Mr. Carson) Whatever you want.

Q. Why don't you finish your statement first, justfor clarity in the record.

22 Α. (Mr. Carson) NMPF Proposal 19 has no merit. Ιt 23 is purely a market share grab that targets competitors' 24 Class I plants unfairly. The Mideast Order as more than 25 enough milk to support the dairy industry, and any 26 geographic shortages of raw are handled by over-order 27 premiums to the farmers. United has never had a problem 28 attracting milk for production, and when supplies are



1 tight, we pay more for the milk to attract the supply. 2 The last thing Class I milk needs is higher Higher prices would slow the consumption even 3 prices. 4 more than changing consumer trends and habits, exacerbating the decline. This adds more pressure to the 5 6 long-term viability of the Class I plants, which will 7 eventually lead to less plants and less outlets for 8 farmers' milk.

9 Proposal 19 also puts an undue burden on United 10 Dairy's consumer base, which is demographically poorer, 11 declining population throughout Appalachia, with higher 12 retails for staple items like fluid milk.

13 Therefore, it is my recommendation that this 14 proposal be rejected outright and the current Federal 15 Order differentials be left as is.

16

17

21

25

Q. Thank you, Mr. Carson.

Mr. Shockey, will you now provide your statement?

18 THE COURT: And before we go there, Mr. English, I 19 would just like us to make the same change where the word 20 "raw" is, and if you want us to add "milk" --

THE WITNESS: (Mr. Carson) Sure.

THE COURT: -- we will. This is on page 4. It's the second paragraph, second line, and we're going to insert the word "milk" right after the word "raw."

So would you read that sentence again?

THE WITNESS: (Mr. Carson) The Mideast Order has more than enough milk to support the dairy industry, and any geographic shortages of raw milk will handled by



TRANSCRIPT OF PROCEEDINGS

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

over-order premiums to the farmers.
 THE COURT: Very good. All right.
 Now, Mr. English, you may do what you were doing.
 BY MR. ENGLISH:

Q. Thank you.

5

6

Dr. Shockey.

7 Α. (Dr. Shockey) My name is Joe Shockey. I am 8 testifying today on behalf of our dairy family farm, and 9 hopefully the generations that follow us, so they have an 10 opportunity to be part of the dairy food supply chain in 11 this unique part of the United States without any 12 unnecessary burdensome or unintended consequences to 13 modify the Federal Milk Marketing Order pricing system, 14 specifically in regards to the county-by-county milk 15 pricing differentials. They say this is an unprecedented 16 opportunity. Let's not mess around. Let's get it right.

17 I am a veterinarian and a dairy producer who 18 graduated from Ohio State University. My brother and 19 father are also graduates of the College of Veterinary 20 Medicine. I met my wife at Ohio State, and she is the 21 dairy program manager for the State of West Virginia, 22 adhering to all the regulatory requirements of the 23 PMO/IMS. She is originally from Lane County, Ohio, which 24 is a leading milk shed nationally.

When my father was a younger man, there were dairy cows all over the Mid-Ohio River Valley. That was a different era and the men were cut from a different cloth, having returned from World War II. These dairies began to



fade in the 1980s as there was a generational shift and
 the decline has continued locally just like in other parts
 of the U.S.

Many leaders in West Virginia were willing to let dairy permanently fade away. We have less than 25 dairies statewide, but have immediate opportunities where over a billion pounds of milk will be necessary annually to supply Mountaintop Beverage and the United Dairy network.

9 Why does United Dairy Charleston, \$2.50; United 10 Dairy Martins Ferry, \$2.40; and Mountaintop Beverage, 11 \$2.30, have the highest proposed differential increases of 12 any other processors in the expanded region?

13 Why does Kroger Newark pay less for milk than the 14 United Dairy in Martin Ferry, where they are the same 15 distance from the closest and leading milk shed near 16 Sugarcreek, Ohio, a \$0.40 per hundredweight proposed 17 difference, yet both about 65 miles away, and both share 18 in the I-70 corridor, both supply West Virginia 19 marketplaces. Who, then, has the advantages, and why was 20 this proposed?

21 DFA Sharpsville, Pennsylvania, is 100 miles from 22 Sugarcreek, while United Dairy, Martins Ferry, Ohio is 23 only 70 miles, yet Sharpsville has a \$0.50 per 24 hundredweight differential advantage in comparison. How 25 does this make sense to give the DFA cooperative 26 processing facility in Sharpsville, a milk lower 27 differential, when under the current order Sharpsville was 28 \$0.10 per hundredweight higher?



1Another head scratcher is Reiter DFA2Springfield --

THE COURT: Now, would you spell Reiter for us? 3 THE WITNESS: (Dr. Shockey) R-E-I-T-E-R. 4 And this is in Ohio, Springfield, Ohio, which is 150 miles 5 from Sugarcreek, and would have a milk differential 6 advantage of \$1, at \$3.70, over United Dairy Charleston, 7 8 which is 170 miles away, that would have to pay \$4.70, and 9 then have to compete for contracts in West Virginia and 10 Southern Ohio given no other processors are in this region to provide milk to these communities. 11

We are blessed in West Virginia to now have these two trusted and respected dairy processing partners. The state of West Virginia has been on a ten-plus year journey to strengthen and rebuild the Appalachian dairy industry, which includes all of West Virginia, parts of Ohio, Pennsylvania, Maryland, Virginia, and beyond. It hasn't been easy, but persistence pays off.

Look at the map, which is the Exhibit 002.

20THE COURT: Now, let me just look. So this is21also Exhibit 426. Yes.

22 Pardon? Oh, this is the Shockey-002, yes, not the23 United Dairy 002. Thank you.

24So I'm now looking at Exhibit 430. Thank you all.25Would you start again that sentence.

26 THE WITNESS: (Dr. Shockey) Look at the map, 27 Shockey-002, and the nutritional gap that would be created 28 if we lost more processing capacity in or near West



19

1 Virginia.

2 USDA needs to consider the strong likelihood of a nutritional gap that would be created if Proposal 19 3 4 results in the loss of local processing capacity in or near West Virginia. Who would consistently step up to 5 deliver milk to our schools in the coal fields in the 6 7 middle of winter? How far would this milk have to travel 8 to reach various C-marts and dollar stores, which are the 9 primary retail sources of milk in many rural communities 10 of Appalachia?

Nutrient-dense food deserts are real in 11 12 Appalachia. An hour-plus drive to a grocery store with 13 fresh fruits and vegetables is not uncommon. I am deeply concerned that Proposal 19, with the updated milk 14 15 differential prices, will, over time, place our processing 16 partners at an unfair disadvantage to the other dairy 17 processors in the expanded region. The differential map 18 should not create winners and losers by state or zip code, but with modification allowances that are sensible to have 19 20 an equal opportunity in any given region that benefits 21 more dairy producers and thus the consumers, we hope to 22 continue to purchase nutritious and delicious dairy foods 23 like milk. Let's find ways to inspire the next generation 24 of milk drinkers. Let's increase Class I sales.

25 Who would have thought West Virginia would be a 26 hub of dairy invasion? I'm looking at this from the 27 inside out, while many of you are looking at this from the 28 outside in.



Please feel free to reach out to me. 1 Please come 2 visit us in West Virginia and let's look at the bigger picture of poverty, low-educational attainment, poor 3 4 caloric choice, nutrient-dense food insecurity, which is not to be confused with readily available alcohol, tobacco 5 products, recreational drugs, sugary drinks, and 6 7 salt-laden foods, which leads to chronic disease and poor 8 health outcomes, beginning in the childhood years, continuing into adulthood. 9

10 West Virginia is a state that is continuing to 11 lose population, so part of this journey has been to 12 promote the jobs and economic development of dairy food 13 processing and distribution activity to better feed 14 ourselves and others. This represents over a thousand 15 high-wage-scale jobs with great benefits. We hope this 16 triggers smart and strategic milk production across 17 Appalachia.

18 West Virginia is a centralized location on the 19 eastern seaboard that can provide competitive advantages 20 with shorter, straighter freight lines to not only high 21 population centers, but also to rural and isolated 22 communities. West Virginia is the third most forested 23 state in the nation, and can provide more paperboard 24 packaging and shipping pallets, clean, fresh water, and 25 even the energy to power facilities, while also being the 26 seed stock for milk packaging vessels like gallon jugs or 27 some of the more innovative packaging designs.

28

Think of how some of the larger metropolitan areas



1 in bordering states have more population than our entire 2 state and the cost associated with this comparatively. If Proposal 19 is adopted as is, it will raise the price of 3 4 milk to consumers in Appalachia who can least afford it, trigger logistical challenges of dairy food products, 5 6 encourage more people not to consume milk because of lack 7 of availability or their own-price sensitivity in 8 comparison to other beverages, and reduce the positive 9 trajectory we are trying to create for the entire dairy 10 community where milk creates jobs, all kinds of economic activity, better health outcomes, with increased 11 12 educational attainment.

A unique part of West Virginia is its geography,
highway networks, and how the majority of our population
is in bordering counties of other states, think
Martinsburg, Morgantown, Wheeling, Parkersburg,
Huntington, Charleston, and Beckley.

18

19

MR. ENGLISH: Slow down.

(Court Reporter clarification.)

THE WITNESS: (Dr. Shockey) A unique part of West Virginia is its geography, highway network, and how the majority of our population is in bordering counties of other states, think Martinsburg, Wheeling, Parkersburg, Huntington, Charleston, and Beckley. West Virginia is honestly like five different states, more closely resembling the closest bordering state.

27 Maybe this was by design so some of the other 28 processors connected to the cooperative networks could



cherry-pick larger population areas in West Virginia near
 interstates, while neglecting to serve areas along country
 roads, a song that West Virginia fully embraces.

The term "Mountain Dew Mouth" is synonymous with West Virginia, Appalachia, because milk is not always available for our children and their dental preventative care and health.

Please give consideration to broader impacts of 8 milk differentials, processor association, and market 9 10 accessibility. When I last checked, nearly 85% of the milk in Federal Order 33, Mideast, was cooperative milk, 11 12 and the proposed milk differentials are squarely making 13 independent milk in the West Virginia, Appalachia, a 14 target that produced for independent processors that 15 provide finished product all across Appalachian.

16 If we lose our processing capacity, with full 17 confidence, we will have to discontinue dairying, as our 18 neighbors were first forced to join various milk marketing 19 agreements over the years, and the additional hauling and 20 cooperative costs put them out of business.

21 Milk typically doesn't flow north, so our milk 22 would be forced to travel nearly 300 miles south. Please 23 give greater consideration to the uniqueness of our state 24 and how we can work together for the entire dairy food 25 supply chain.

The \$0.50 milk differential as proposed would not begin to cover the fuel cost alone on this distance, taking our milk further south. As stated earlier, milk



1 does not typically flow north or west, and this would be 2 at a loss of revenue to our family business and future dairy farm families considering relocation to West 3 4 Virginia and the immediate region to take advantage of the ever-increasing processing capacity. If the producer 5 differentials are going to be modified, please modify them 6 7 in an equitable way based on this testimony today that 8 doesn't pick winners or losers. 9 Thank you. 10 BY MR. ENGLISH: 11 Ο. Thank you, sir. 12 So my questions on additional direct are going to 13 be primarily for Mr. Carson, but Dr. Shockey, feel free, 14 if you wish to weigh in, I may add at the very end. 15 I want to focus a fair bit on both your testimony 16 about the locations of your plants relative to your 17 competitors. 18 I want to start with the plant in Charleston, West 19 Virginia, which you -- I believe you have tuned in to some 20 parts of the hearing, correct? 21 Α. (Mr. Carson) Yes. 22 You have not deciduously, you know, spent your 0. 23 entire life in the last four months doing nothing else? 24 THE COURT: Your voice is dropping. 25 BY MR. ENGLISH: 26 Q. You have not spent the last five months 27 exclusively, you know, paying attention to every day, 28 correct?



| 1 | A. (Mr. Carson) That's correct. | | | | | | |
|----|---|--|--|--|--|--|--|
| 2 | Q. But you are aware that Charleston, West Virginia, | | | | | | |
| 3 | has, for whatever reason, been labeled an anchor city by | | | | | | |
| 4 | National Milk Producers, correct? | | | | | | |
| 5 | A. (Mr. Carson) Yes. | | | | | | |
| 6 | Q. And the Class I differential that they have chosen | | | | | | |
| 7 | to propose to USDA for that operation is \$4.70, correct? | | | | | | |
| 8 | A. (Mr. Carson) Yes. That's correct. | | | | | | |
| 9 | Q. And that's the same as the model, correct? | | | | | | |
| 10 | Charleston is the same as | | | | | | |
| 11 | A. (Mr. Carson) Yes, I think so. | | | | | | |
| 12 | Q. Yeah. | | | | | | |
| 13 | Are you aware that so Martins Ferry is in | | | | | | |
| 14 | Belmont County, Ohio, correct? | | | | | | |
| 15 | A. (Mr. Carson) Yes. | | | | | | |
| 16 | Q. Are you aware that the number that National Milk | | | | | | |
| 17 | chose to propose for that location in Ohio is \$0.30 higher | | | | | | |
| 18 | than the model? | | | | | | |
| 19 | A. (Mr. Carson) Yes. | | | | | | |
| 20 | Q. And are you aware that for your plant in | | | | | | |
| 21 | Pennsylvania, that's located in Fayette County, or | | | | | | |
| 22 | Fayette; is that right? | | | | | | |
| 23 | A. (Mr. Carson) Fayette. | | | | | | |
| 24 | Q. Fayette. | | | | | | |
| 25 | And that National Milk proposes, from the model, | | | | | | |
| 26 | to increase the differential for that by \$0.15 per | | | | | | |
| 27 | hundredweight over the model, correct? | | | | | | |
| 28 | A. (Mr. Carson) Correct. | | | | | | |
| | | | | | | | |



TRANSCRIPT OF PROCEEDINGS

December 06, 2023

| | NATIONAL F | EDERAL MILK MARKETING ORDER PRICING FORMULA HEARING | | | | | | |
|----|---|---|--|--|--|--|--|--|
| 1 | Q. | Now, you mentioned Sharpsburg [sic]. | | | | | | |
| 2 | Are you aware that National Milk proposes lowering | | | | | | | |
| 3 | the Class I differential from the model number by \$0.20 to | | | | | | | |
| 4 | \$4, correct? | | | | | | | |
| 5 | Α. | (Mr. Carson) Sharpsville? | | | | | | |
| 6 | Q. | Yes. Sharpsburg or Sharpsville. Yes, | | | | | | |
| 7 | Sharpsville. | | | | | | | |
| 8 | THE COURT: Which one? | | | | | | | |
| 9 | | MR. ENGLISH: Sorry. Give me one second. | | | | | | |
| 10 | THE COURT: Okay. | | | | | | | |
| 11 | | THE WITNESS: (Mr. Carson) Yeah, it was | | | | | | |
| 12 | | MR. ENGLISH: Sharpsville. | | | | | | |
| 13 | | THE WITNESS: there was a \$0.20 deviation from | | | | | | |
| 14 | the model. | | | | | | | |
| 15 | BY MR. | ENGLISH: | | | | | | |
| 16 | Q. | So but it was down, it was a down deviation, | | | | | | |
| 17 | correct | 2? | | | | | | |
| 18 | A. | (Mr. Carson) Right. Right. Decline. | | | | | | |
| 19 | Q. | So that's a decline of \$0.20, and your plant in | | | | | | |
| 20 | Uniontown went up \$0.15, for a combined change of \$0.35 | | | | | | | |
| 21 | per hundredweight, correct? | | | | | | | |
| 22 | A. | (Mr. Carson) Versus the model. | | | | | | |
| 23 | Q. | Versus the model. | | | | | | |
| 24 | | And you also compete | | | | | | |
| 25 | Α. | (Mr. Carson) Can I just interrupt? | | | | | | |
| 26 | Q. | Yes, absolutely. | | | | | | |
| 27 | Α. | (Mr. Carson) I just want everybody to know | | | | | | |
| 28 | we're - | - the first column, current differential, that's | | | | | | |
| | | | | | | | | |

our current differentials that are in place. That's not 1 2 anything to do with the model, just so there's no confusion. 3 And that's part of why I'm doing this, because 4 0. Exhibit 428, which you prepared, didn't put the model 5 numbers in, right? 6 7 Α. (Mr. Carson) Right. 8 So I'm clarifying by going through just a 0. 9 couple -- I promise not very many examples, but I want to 10 go through a couple of examples, including some that you 11 yourself, you know, have brought up. 12 Are you aware that for Clark County, Ohio -- you 13 compete against a plant in Clark County, Ohio, correct? 14 (Mr. Carson) Right. Α. 15 That National Milk had proposed a \$4 level, and Ο. then Dr. Vitaliano confirmed this week that is actually 16 17 \$3.70, correct? 18 (Mr. Carson) That's correct. Α. 19 Q. Which is \$0.10 lower than the model, correct? (Mr. Carson) Correct. 20 Α. 21 Which for your Martins Ferry plant is a \$0.40 Q. 22 swing, correct? 23 Α. (Mr. Carson) That's right. And you have indicated in your testimony, and 24 0. 25 helpfully provided your charts that you compete, you -- I 26 don't want your precise number, but you do sell what you 27 would consider to be a significant amount of packaged milk 28 into the Order 5 marketing area, correct?



| 1 | A. (Mr. Carson) That's correct. If you look on | | | | | | |
|----|--|--|--|--|--|--|--|
| 2 | Exhibit 426, you will see one of the branches there which | | | | | | |
| 3 | is one of our larger branches in Roanoke, Virginia, that's | | | | | | |
| 4 | in Order 5. We also have distribution into the North and | | | | | | |
| 5 | South Carolina states, which is Order 5. And we also sell | | | | | | |
| 6 | supermarkets into the Southwest Virginia market, which is | | | | | | |
| 7 | Order 5. | | | | | | |
| 8 | Q. And speaking about your distribution into North | | | | | | |
| 9 | Carolina and South Carolina, we heard earlier this week | | | | | | |
| 10 | and last week that National Milk has proposed 40 to \$0.60 | | | | | | |
| 11 | decreases from the model for sales into those markets that | | | | | | |
| 12 | you have listed on Exhibit 428, correct? | | | | | | |
| 13 | A. (Mr. Carson) That's correct. | | | | | | |
| 14 | Q. So there you are in West Virginia, and the | | | | | | |
| 15 | proposal deviates from the model unhelpfully to your north | | | | | | |
| 16 | in Sharpsville, correct? | | | | | | |
| 17 | A. (Mr. Carson) That's right. | | | | | | |
| 18 | Q. Unhelpfully to your west in Springfield, Ohio, | | | | | | |
| 19 | correct? | | | | | | |
| 20 | A. (Mr. Carson) That's right. | | | | | | |
| 21 | Q. And unhelpfully southeast to North Carolina and | | | | | | |
| 22 | South Carolina, correct? | | | | | | |
| 23 | A. (Mr. Carson) That's correct. | | | | | | |
| 24 | Q. All against the model results, correct? | | | | | | |
| 25 | A. (Mr. Carson) That's right. | | | | | | |
| 26 | Q. You have also indicated on Exhibit 428, gallon | | | | | | |
| 27 | conversion, correct? | | | | | | |
| 28 | A. (Mr. Carson) That's correct. | | | | | | |
| × | | | | | | | |



| TRANSCRIPT OF PROCEEDINGS Decen | | | | | | December | 06, | 2023 | |
|---------------------------------|---------|------|-----------|-------|---------|----------|---------|------|--|
| NATIONAL | FEDERAL | MILK | MARKETING | ORDER | PRICING | FORMULA | HEARING | | |

A conversion to gallons? 1 Q. 2 Α. (Mr. Carson) The last three columns are the -what the hundredweight conversion would be to gallons. 3 And that's because, while you buy milk in raw form 4 0. in hundredweight, you sell it to your customers in 5 gallons, correct? 6 7 Α. (Mr. Carson) That's correct. 8 What does a \$0.06 per gallon difference between Ο. 9 your operation and your competitors to the north, west, 10 and southeast mean for your business? (Mr. Carson) Well, \$0.06 a gallon means 11 Α. 12 everything. We have survived 35 years of this business, 13 and before I came, 20 years with my dad running the 14 business, and there were many, many years where we didn't 15 ever make \$0.06 a gallon. It is a low margin business --16 high volume, low margin. We're -- if we make 1 or 2%, 17 we're happy. But we have to make a profit in order to 18 survive. We have to make a profit in order to put capital back into the business. And these -- these hits we would 19 20 take versus our competitors would be absolutely 21 unsustainable for our company. We would -- we would risk 22 losing business, and we would not be able to survive. And 23 \$0.06 a gallon is just almost astronomical in our 24 business. 25 0. So you indicated in your testimony you have over 26 500 employees? 27 Α. (Mr. Carson) That's right. 28 But you have fewer than 1,250, correct? 0.

| NATIONAL F | FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING |
|------------|--|
| А. | (Mr. Carson) That's right. |
| Q. | So you would be a small business under the SBA |
| definit | tion, correct? |
| Α. | (Mr. Carson) Correct. |
| Q. | Dr. Shockey, is your farm a small business as |
| defined | by the SBA? |
| Α. | (Dr. Shockey) Yes. |
| Q. | Dr. Shockey, you have indicated that if your |
| custome | er, United Dairy, goes out of business, you will end |
| up havi | ng to ship your milk to the south, correct? |
| Α. | (Dr. Shockey) Correct. |
| Q. | And you said that 300 miles is a pretty costly |
| endeavo | or, correct? |
| Α. | (Dr. Shockey) Yes. |
| Q. | And as it happens, National Milk is proposing |
| lowerin | ng the Class I differentials in those locations |
| which w | vill, you know, not exactly help pay for your haul, |
| correct | ? |
| A. | (Dr. Shockey) Correct. |
| Q. | Mr. Carson, you have indicated that you buy from |
| coopera | atives, correct? |
| А. | (Mr. Carson) Yes. |
| Q. | And that you pay premiums on your milk purchased |
| form th | ne cooperatives? |
| А. | (Mr. Carson) Yes. |
| Q. | Do you pay a fuel surcharge? |
| Α. | (Mr. Carson) Yes. |
| Q. | There has been a fair amount of cooperative |
| | A. Q. definit A. Q. defined A. Q. custome up havi A. Q. endeavo A. Q. lowerin which v correct A. Q. coopera A. Q. form th A. |



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

1 testimony that they are unable to routinely charge 2 premiums. Is that your experience? 3 (Mr. Carson) My experience is, and it's not been 4 Α. forever, dealing with the DFA in our area, is we sit down 5 once a year and do a price for the year. That price is 6 7 basically in place for the year. 8 Have you ever told them no? 0. (Mr. Carson) Well, yes, if we have other milk. 9 Α. 10 Mr. Gallagher testified yesterday that processors 0. 11 have levers to pull to pass along cost increases to 12 customers. 13 Is that your experience, routinely? 14 Α. (Mr. Carson) No. 15 He testified that you have other levers to pull to 0. 16 adjust. 17 Do you know of any such levers that you can just 18 for cost increases? 19 (Mr. Carson) Listen, if you allow me. This is Α. 20 the whole reason I'm here. 21 If my costs go up \$0.06 a gallon to a shared 22 customer, a large customer that I share with a cooperative 23 because of different regions, I cannot raise my price 24 \$0.06 a gallon unless all my competitors, including the 25 co-op, go up too. So it just puts me in a situation, I 26 either have to absorb \$0.06, which I don't have with that 27 customer, or I have to take the increase when my 28 competitors aren't getting that increase and risk losing



1 the business, which is what would happen. 2 So this is -- this is what happens in the I have been doing this for a long time. 3 business. Once 4 you lose a major customer, it puts increased pressure on the plant. If you lose enough of them because you are not 5 competitive, your plant will have to close. And that's 6 7 not easy either. We have unions; we have contracts; we 8 have pensions; we have responsibilities to employees. I have done, I betcha, 25 labor contracts in my 9 I have never once had a strike. And it's -- this 10 life. 11 is so upsetting, and I can't even put it into words. 12 Ο. There has been a fair bit of conversation, some of 13 it by economic experts, but you are someone who actually 14 sells milk in fluid form, in packaged form in the 15 marketplace, correct? 16 Α. (Mr. Carson) Correct. 17 0. When it comes to elasticity, what do you see when 18 you are out there in the marketplace? 19 Α. (Mr. Carson) My definition of elasticity or 20 whether milk's inelastic is if it stays within a certain 21 range, say 2 to \$3 --22 Ο. A gallon? 23 (Mr. Carson) -- a gallon, if it goes up a dime or Α. 24 goes down a dime, it probably is inelastic. But when it 25 goes up \$0.50, \$1, and hits certain price points, it 26 absolutely slows down. 27 And my only experience is, and I talk to buyers 28 about it, we do reviews with our customers, we'll sit down

and say, oh, milk was up this past year. Oh, what -- what do you think that was, or why that was? Well, it's because we put it at 2.99 for the, you know, six months, and people recognized it as a value.

Or they will say, yeah, our milk sales are down or flat, we didn't promote milk, or we didn't -- we kept levels higher than we have in the past. To me, that means it's -- it's not as inelastic as people think.

9 I'll give you another example. We do business in 10 Pennsylvania. Pennsylvania is no promotions. It's a --11 you can't promote in Pennsylvania. It's tier-priced on 12 all the gallons. In the last 20 years when milk got up 13 high enough that whole milk went above \$4, myself and the 14 buyers that I deal with saw a drop in sales.

Now, last year we saw it get up, for the first time ever, over \$5. Again, a drop in sales. And with the one particular buyer I'm thinking of, said, yeah, we have seen a drop in gallons, we have seen half gallons pick up, but it hasn't made up for the -- for the overall unit decrease -- or gallon decrease, I should say, volume decrease.

So I don't -- you know, there's been a lot -- what I have been listening to a lot of things about inelastic and elastic, I don't claim to be an expert on it. All I know is, if it gets up too high, milk sales will slow down, especially on a big jump. You know, there's times where milk will shoot way up, and if it breaks a \$3 mark, a \$4 mark, a \$5 mark, it slows down or there's a trade



5

6

7

1 downward. 2 And in our area where we do business, there's a lot of old people. And if you think people, these older 3 4 people are going to waste milk, they trade down, and they say to themselves, oh, I don't want to pour any milk down 5 the drain. I don't want to waste it. 6 It's -- so maybe it's unique to our area, but this 7 is what I have seen in my career. 8 9 Do you have an alternative solution to propose to 0. 10 USDA for Class I differentials as opposed to what National 11 Milk has proposed? 12 Α. (Mr. Carson) Well, I think the co-ops should 13 reverse everything. They should take the higher 14 differentials and give me the lower ones. 15 Why is that? 0. 16 Α. (Mr. Carson) Well, I don't know. Actually, my --17 here's my -- my recommendation is, as it is in my 18 testimony, I don't think we should do anything with 19 differentials. Because any variance is going to be a 20 problem, unless it's fairly instituted countrywide. Τf 21 you all decide that Class I should go up by whatever, then 22 just make sure every Class I plant gets the same amount. 23 And at a minimum, if you are going to rely on the 0. 24 model, you ought not to deviate from it in such a way that 25 you in West Virginia take it every way, you're squeezed to 26 the north, west, and southeast, correct? 27 Α. (Mr. Carson) Yeah. I mean, it's all right on the

chart. I'll be glad to walk through it with anybody



| | NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING |
|-----|---|
| 1 | afterward. I don't want to waste everybody's time but |
| 2 | Q. Well, in terms of USDA, the only communication you |
| 3 | are going to have with USDA is on the record, so are there |
| 4 | any individual numbers that you and I didn't go over that |
| 5 | you want to go over? I was trying to use examples. |
| 6 | A. (Mr. Carson) Just real quickly, if you look at |
| 7 | Ohio, everybody's \$1.70 higher. Kroger is \$2, and we're |
| 8 | \$2.40. And we're closer in the DFA testimony they link |
| 9 | Sharpsville with Columbus, and actually Martins Ferry, |
| 10 | Ohio, is closer to Columbus. And yet ours was 4.40, and |
| 11 | Sharpsville is what. |
| 12 | Q. \$4. |
| 13 | A. (Mr. Carson) \$4. I mean, it's kind of like that |
| 14 | all across the board. And like I said, I I'm not going |
| 15 | to say, you know, it was on purpose, but it feels like it |
| 16 | was. And but if nothing else, at least I got to come |
| 17 | and state my case for my employees, for my farmers, for my |
| 18 | family. And I just think the whole thing the whole |
| 19 | proposal should just not be not be adopted. |
| 20 | Q. Thank you, Mr. Carson. |
| 21 | Dr. Shockey, do you have anything to add? |
| 22 | A. (Dr. Shockey) I'm trying to raise my family in |
| ~ ~ | |

A. (Dr. Shockey) I'm trying to raise my family in the state of West Virginia, and we milk cows. I want to have that opportunity for my children to continue the family farm.

Q. Thank you.

27 MR. ENGLISH: Your Honor, at this time this 28 concludes the direct examination of United Dairy Joe



| TRANSCRIPT OF PROCEEDINGS | | | December | 06, | 2023 | | | | |
|---------------------------|---------|------|-----------|-------|---------|---------|---------|--|--|
| NATIONAL | FEDERAL | MILK | MARKETING | ORDER | PRICING | FORMULA | HEARING | | |

1Carson and Dr. Shockey, and I move admission of2Exhibits 425, 426, 427, 428, 429, and 430.

I thank you gentlemen for your time.

THE COURT: I could go through cross-examination before I act on these exhibits, but I think I will go ahead and see if there's any objection to their admission at this point rather than waiting for cross.

8 So is there any objection to the admission into 9 evidence of Exhibit 425, which is marked United 10 Dairy-0001?

11 MR. HILL: Your Honor, I would -- obviously, I 12 don't have an objection, let me start by saying that. But 13 I want to make sure that we caught the changes that we had 14 I'm not sure if they were done on the record on these. 15 copy, the mentions of Attachment 1 on Mr. Carson's first 16 I'm not sure that they -- we now know that those page. 17 are Exhibits 426. And then the mentions of Attachment 2 18 and 3 on page 3, which we now know are 427 and 428.

And I think on Dr. Shockey's statement, on page 2 he mentions, on the sentence, the first full paragraph on page 2, look at the map, and then I think he said 002, and we now know that that is Exhibit 430.

23 So I wasn't sure if we wanted them inserted on the 24 record copies or not.

THE COURT: You know, it would be a good idea, and I didn't do that. The only changes I made were just insert "milk" in a couple of places, and I do think those would be very beneficial to change on the record copy.



1 Why don't we take a -- let's see, it's 3:10. 2 Let's take 10 minutes. Come back at 3:20. And then in the meantime, would you work with your 3 people to point out the ones you know of, and then we will 4 make sure on the record that we got them all. 5 6 I really appreciate your astuteness and care, Mr. Hill. All right. 7 You may move around, and please be back and ready 8 9 to qo at 3:20 p.m. 10 (Whereupon, a break was taken.) 11 THE COURT: Let's go back on record. 12 We're back on record at 3:20. 13 Mr. Hill, do you want to read into the record the 14 changes that have been made on the record copy? 15 MR. HILL: Yes. On Exhibit 425, in the second 16 full paragraph, in the places where it says 17 "Attachment 1," which is the third line of the second 18 paragraph, and the fourth line in the second paragraph, 19 we're inserting "Exhibit 426." 20 And on page 3 of the same exhibit, Exhibit 425, in 21 the sixth line of the paragraph marked "3," where it says 22 "Attachment 2," we are inserting "Exhibit 427," and three 23 lines down from that where it says "Attachment 3," we are 24 inserting "Exhibit 428." 25 The final change is on Exhibit 429, on page 2, on 26 the first full paragraph where Dr. Shockey said "look at 27 the map," we are inserting after that, after the word 28 "map," "Exhibit 430."



| | NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING |
|--------|---|
| 1 2 | That is the extent of the changes that we have. THE COURT: Thank you very much. I think that's |
| 3 | |
| 3 4 | very good to have gotten those captured on the exhibits themselves. |
| 4 5 | |
| | Is there any objection to the admission into |
| 6 | evidence of Exhibit 425? |
| 7 | There is none. Exhibit 425 is admitted into |
| 8 | evidence. |
| 9 | (Thereafter, Exhibit Number 425 was received |
| 10 | into evidence.) |
| 11 | THE COURT: Is there any objection to the |
| 12 | admission into evidence of Exhibit 426? |
| 13 | There is none. Exhibit 426 is admitted into |
| 14 | evidence. |
| 15 | (Thereafter, Exhibit Number 426 was received |
| 16 | into evidence.) |
| 17 | THE COURT: Is there any objection to the |
| 18 | admission into evidence of Exhibit Number 427? |
| 19 | There is none. Exhibit 427 is admitted into |
| 20 | evidence. |
| 21 | (Thereafter, Exhibit Number 427 was received |
| 22 | into evidence.) |
| 23 | THE COURT: Is there any objection to the |
| 24 | admission into evidence of Exhibit Number 428? |
| 25 | There is none. Exhibit 428 is admitted into |
| 26 | evidence. |
| 27 | (Thereafter, Exhibit Number 428 was received |
| 28 | into evidence.) |
| | |

THE COURT: And I mention that those exhibits are 1 2 also marked as United Dairy-1, United Dairy-2, United Dairy-3, and United Dairy-4. 3 Is there any objection to the admission into 4 evidence of Exhibit 429, which is also Shockey-1? 5 There is none. 6 7 (Thereafter, Exhibit Number 429 was received into evidence.) 8 9 THE COURT: Is there any objection to the admission into evidence of 430, which is also Shockey-2, 10 11 002? There is none. Exhibit 430 is admitted into 12 13 evidence. 14 (Thereafter, Exhibit Number 430 was received 15 into evidence.) 16 MR. HILL: Just to be clear, Your Honor, you did 17 admit Exhibit 429, correct? 18 THE COURT: Exhibit 429 is admitted into evidence. 19 Thank you. All right. Now, Mr. English, these witnesses are 20 21 available for cross-examination? 22 MR. ENGLISH: Yes, Your Honor. 23 THE COURT: Thank you. 24 Who would like to go first? 25 CROSS-EXAMINATION BY MS. HANCOCK: 26 27 Ο. Nicole Hancock with National Milk. 28 Good afternoon to the both of you.



December 06, 2023

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING 1 Α. (Mr. Carson) Good afternoon. 2 Ο. My first question, Mr. Carson, maybe I could start with, do you believe that we should have a Federal Order 3 4 at all? Α. (Mr. Carson) Yes. 5 What's the benefit that you see from the Federal 6 0. 7 Order system that it provides to the dairy industry? 8 (Mr. Carson) Well, I think it -- well, it's Α. 9 supposed to get an orderly marketing of milk and get milk 10 to all parts of the country, correct? 11 THE COURT: No, you asking her to affirm whether 12 that's correct is not the appropriate way to go. Your 13 sentence was excellent, but you don't need to ask her if 14 that's correct. 15 THE WITNESS: (Mr. Carson) Got you. Got you. 16 And I think it -- for the most part, it does that. 17 There's probably situations where there's too much milk in 18 some parts of the country and too many consumers in other 19 parts of the country. But through what has been 20 traditionally the market premium, over-order premium 21 system, you know, it's been able to handle that situation. 22 BY MS. HANCOCK: 23 Okay. And you're able to get your supply of milk 0. 24 today because of the Federal Order system; is that right? 25 Α. (Mr. Carson) Yes. 26 And I think you said that you pay an over-order Q. 27 premium to your dairy farmers; is that right? 28 Α. (Mr. Carson) Yes.

| 1 | Q. And is that always or sometimes? |
|----|--|
| 2 | A. (Mr. Carson) Well, it's different for |
| 3 | depending on who we're dealing with. So we deal with |
| 4 | three or four different co-ops and but we have mainly |
| 5 | independent retail majority of our milk is independent |
| б | retailers. So, you know, it's all would be slightly |
| 7 | different, I guess. |
| 8 | Q. Do you have any independent dairy farmers who |
| 9 | exclusive supply to you? |
| 10 | A. (Mr. Carson) I'm sorry, I couldn't hear what you |
| 11 | said. |
| 12 | Q. Do you have any dairy farmers that independent |
| 13 | dairy farmers that exclusively supply to you? |
| 14 | A. (Mr. Carson) You mean by contract? |
| 15 | Q. By contract or by practice. |
| 16 | A. (Mr. Carson) Well, I don't know if "exclusively" |
| 17 | would be the right word. We have farmers that have |
| 18 | shipped to us through several generations, especially ones |
| 19 | that are close by, so but we don't have the, like, |
| 20 | exclusive contracts, like, where you can't ever go ship |
| 21 | somewhere else. We don't have that. |
| 22 | Q. And do you pay those independent dairy farmers an |
| 23 | over-order premium? |
| 24 | A. (Mr. Carson) Yes. |
| 25 | Q. And then your relationship with the co-op, you |
| 26 | tend to use them to backfill when you need additional |
| 27 | milk? |
| 28 | A. (Mr. Carson) Well, I don't know if I would say |
| 1 | |
| | TALTY COURT REPORTERS, INC. 9968 |

taltys.com - 408.244.1900

1 "backfill." Historically speaking, we have bought from 2 the co-op in two different ways, and it's mainly Dairy 3 Farmers of America, although I go back into the '80s and 4 '90s when it was MMI and some other entities.

Number one, our Virginia base, everything we sell into Virginia, which two of my plants ship into Virginia, all the milk that comes to us is from the co-ops. And it could be DFA, it could be Maryland, Virginia, it could be -- there's, you know, a couple others.

Currently, we're buying more milk from Dairy Farmers of America, especially in our Charleston facility because we have grown, and we actually work pretty well with them, so I -- I can also say there have been times where we have not bought from Dairy Farmers of America or bought from the co-op.

Q. You pay the co-ops over-order premiums as well?
A. (Mr. Carson) Yes.

18 Q. And fuel charges as well?

19 A. (Mr. Carson) Yes.

20 Q. Or I should say fuel surcharges as well?

21 A. (Mr. Carson) Yes.

Q. And the same for the independent dairy producers,do you pay them the fuel surcharge as well?

24A. (Mr. Carson)I don't -- I'm not going to get into25that.

Q. Are they responsible for covering their own fuel?

- A. (Mr. Carson) Yeah. They do their own hauling.
- 28 Q. Okay. And I notice that on your website it says



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

| 1 | that you pull in milk from within a 100-mile radius, but |
|----|---|
| 2 | in your testimony on page 2, you describe that it's |
| 3 | 175-mile radius. |
| 4 | Is that just that as the milk |
| 5 | A. (Mr. Carson) That's just my marketing director |
| 6 | not having the right number in there for the website. |
| 7 | Q. Okay. And then is it true, then, with the |
| 8 | consolidation of dairy producers, that you have had to go |
| 9 | further away to pull your milk in? |
| 10 | A. (Mr. Carson) Yes, I would say that's true. |
| 11 | THE COURT: Wait until her voice dies down and is |
| 12 | silent, because you don't know if she's finished yet. |
| 13 | THE WITNESS: (Mr. Carson) Okay. |
| 14 | THE COURT: Okay. |
| 15 | BY MS. HANCOCK: |
| 16 | Q. And you describe, at least on your website, that |
| 17 | you pull milk in from West Virginia, Ohio, Western |
| 18 | Pennsylvania, New Jersey, Virginia, North Carolina, and |
| 19 | Kentucky. |
| 20 | Is that all still the accurate territory that you |
| 21 | pull milk in from? |
| 22 | A. (Mr. Carson) I think that's a little outdated on |
| 23 | the New Jersey part. |
| 24 | Q. So you no longer pull milk in from New |
| 25 | A. (Mr. Carson) No. |
| 26 | Q Jersey? |
| 27 | A. (Mr. Carson) No. |
| 28 | THE COURT: Okay. She is talking, you are |
| | |



| | FIGURE FEDERAL MILK MARKETING ORDER FRICING FORMULA HEARING |
|----|---|
| 1 | answering, the court reporter doesn't know who to capture, |
| 2 | the question or the answer. |
| 3 | BY MS. HANCOCK: |
| 4 | Q. It's an awkward conversation. |
| 5 | So my last question was, you no longer pull milk |
| 6 | in from New Jersey? |
| 7 | A. (Mr. Carson) Correct. |
| 8 | Q. And where do you now get it from? What replaced |
| 9 | that supply that you used to have that came in from New |
| 10 | Jersey? |
| 11 | A. (Mr. Carson) I I'm not aware. |
| 12 | Q. Okay. |
| 13 | A. (Mr. Carson) I don't know. |
| 14 | Q. Fair to say, though, that you have had to go into |
| 15 | a broader territory to pull milk in? |
| 16 | A. (Mr. Carson) Yeah. But the only thing I would |
| 17 | say is that depends on whether our volume's up or down. |
| 18 | Q. If the price differentials are increased in your |
| 19 | area, would it result in a decrease in over-order premiums |
| 20 | that you would have to pay? |
| 21 | A. (Mr. Carson) Probably not. |
| 22 | Q. How do you know that? |
| 23 | A. (Mr. Carson) Well, because I have kind of thought |
| 24 | about it, and I don't think it would have any effect on |
| 25 | the over-order premium. |
| 26 | Q. Do you have I want to look at the map that you |
| 27 | have in Exhibit 426. |
| 28 | Do you have that in front of you? |
| | |



NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

| 1 | Α. | (Mr. Carson) This one? |
|----|---------|---|
| 2 | | THE COURT: Yes. |
| 3 | BY MS. | HANCOCK: |
| 4 | Q. | Does Hood have a plant in Winchester? |
| 5 | Α. | (Mr. Carson) Hood? |
| 6 | Q. | Yes. |
| 7 | Α. | (Mr. Carson) Winchester, Kentucky? |
| 8 | Q. | Yes. |
| 9 | Α. | (Mr. Carson) I don't think. |
| 10 | Q. | Or |
| 11 | Α. | (Mr. Carson) I think it's Kroger. |
| 12 | Q. | Oh, does Kroger have a plant there? |
| 13 | Α. | (Mr. Carson) Yes. |
| 14 | Q. | And you didn't have that listed on your competing |
| 15 | plants? | |
| 16 | Α. | (Mr. Carson) Oh. Yeah, we don't really compete. |
| 17 | Q. | Do you know what they supply? |
| 18 | Α. | (Mr. Carson) Their own stores. |
| 19 | Q. | What about in Winchester, Virginia, is there a |
| 20 | Hood pl | ant there? |
| 21 | Α. | (Mr. Carson) I'm sorry? |
| 22 | Q. | Is there a Hood plant in the Western Virginia? |
| 23 | Α. | (Mr. Carson) Hood? No. |
| 24 | Q. | Or Winchester, Virginia, there's not |
| 25 | Α. | (Mr. Carson) Winchester Farms? |
| 26 | Q. | There's not a Hood plant in Winchester, Virginia? |
| 27 | Α. | (Mr. Carson) Oh, oh. Up north? I don't have it |
| 28 | marked | on my sheet. But, no, we don't compete against |
| | | |



1 them. 2 Ο. So there is a plant there, but you don't compete 3 against them? (Mr. Carson) Yes. I'm not 100% sure, but I think 4 Α. it's one of their big aseptic plants. 5 6 0. Do you sell any aseptic products? 7 Α. (Mr. Carson) No. 8 Milk? Ο. 9 (Mr. Carson) No, we don't sell any or produce Α. 10 any. 11 Ο. What about Shamrock, does Shamrock have a plant in 12 Verona? 13 (Mr. Carson) I believe they do. Again, that's an Α. 14 aseptic plant. I only listed fluid plants. 15 You don't -- you don't compete for -- with either 0. 16 one of those plants? 17 Α. (Mr. Carson) Not really. Not when you think 18 about what we sell. THE COURT: What was the spelling, Ms. Hancock, of 19 20 that last one you said? 21 MS. HANCOCK: Shamrock? Verona? V-E-R-O-N-A. 22 THE COURT: Thank you. 23 BY MS. HANCOCK: Dr. Shockey, I want to ask you a little bit about 24 Ο. 25 your production. 26 Where -- tell me again where your farm is located? 27 Α. (Dr. Shockey) We are located in the Mid-Ohio River Valley. You might be familiar with Parkersburg, 28

1 West Virginia, which is just south of Marietta, Ohio, and 2 Charleston, West Virginia, which is our state capital. We are equidistance along the I-77 corridor in the 3 4 Ravenswood/Ripley area between Charleston and Parkersburg. And how far is that that you have to -- that you 5 0. have to --6 7 Α. (Dr. Shockey) 40 miles. And we feel blessed that 8 we are less than ten miles from four exits of I-77. 9 There's a lot of jokes out there about West 10 Virginia. They are not all true. Some of them are. But 11 we don't live up some random hill or holler. We are right 12 beside the interstate, and our milk can go 40 miles to our 13 processing. 14 And so you said 40, 4-0; is that right? Ο. 15 (Dr. Shockey) 40, 4-0. Α. 16 Q. Okay. 17 Α. (Dr. Shockey) That's pretty close in the grand 18 scheme of things. 19 Ο. I would agree. 20 And does the -- do you get your hauling costs 21 covered for transportation of your milk? 22 Α. (Dr. Shockey) We have to pay that as a producer. 23 We have contracts with the hauler. 24 And do you know how much those costs have Ο. 25 increased over the last --26 Α. (Dr. Shockey) 20 years ago when I was in vet 27 school and we would sit in those farm transition meetings 28 as those larger dairy units were popping up around

Columbus, the veterinarian told us that's not something 1 2 that you share outside of a small circle. 3 Okay. Ο. (Dr. Shockey) Does that make sense? 4 Α. It does make sense. 5 Ο. Is it --6 7 Α. (Dr. Shockey) And -- and I would ask for a prayer because our rates have recently increased. There was some 8 9 retirement of our hauler. And our hauler, just a few 10 weeks ago, was in a terrible accident. He was laying in a ditch, face down. He would have drowned in the milk had 11 12 he not been rescued by good Samaritans. He's been in the 13 hospital in a coma, and he is recovering. But please keep 14 this man in your prayers. Very sorry for that. 15 0. 16 It's fair to say that over the last 20 years, your 17 hauling costs have increased like all the other input 18 costs that go into running a business? 19 (Dr. Shockey) Α. Yes. 20 Ο. Is it fair to say that over the last 20 years, the 21 margins in operating a dairy farm have thinned out 22 considerably where there's a lot of pressure on the farms 23 in order to stay in business? 24 (Dr. Shockey) We have less farms all the time. Α. 25 When my father was a young man, I believe our country had 26 over 600,000 dairy farms. When I was in high school, 27 100,000. I won a free pizza in vet school when I answered 28 74,291 dairy farms. I think I'd just read the Herdsman



1 the day before. 2 That number is below 30,000 right now. Take out the Amish, the Apostolic, the Mennonite, there's very few 3 4 farms producing our nation's milk. If I'm not mistaken, six states produce about 62% of the nation's milk. 5 When I was in vet school we always used to joke it 6 7 was the race to milk 9 million cows. Is that where we want to go with this industry, one dairy milking 9 million 8 9 cows? 10 And that's part of the pressure that you are Ο. 11 feeling when you are asking about preserving the legacy so 12 that you can pass on your dairy farm to your family; is 13 that right? 14 (Dr. Shockey) I don't want to force them, but if Α. 15 they want to do it, I hope they have the opportunity. 16 You, at least, want it to be available for them to Ο. 17 choose; is that fair? 18 (Dr. Shockey) Yeah. Α. 19 But in order to do that, it has to be profitable 0. to operate a dairy farm so they can have a way to provide 20 for their families? 21 22 (Dr. Shockey) Yeah. We have been fortunate that Α. 23 we have remained in business when many can't. You talk about on page 3 of your testimony that if 24 0. 25 the producer differentials are going to be modified, that 26 you would like them to be done in an equitable way. 27 I'm wondering if you could tell me what that would 28 mean for you to be done in an equitable way?



(Dr. Shockey) No, I'm not an economist, I'm 1 Α. 2 trained as a veterinarian. I have the dairy farm. No disrespect to the economists that are here, but I feel 3 4 like if you took a box of crayons to some elementary school kids and asked them to color the maps county by 5 6 county, they could have come up with something that was 7 more equitable.

8 From the testimony that was shared by Mr. Carson, 9 I mean, they tried to pick winners and losers, and they 10 are trying to make my state a loser. I feel like I'm 11 being attacked.

12 Q. And so you want to make sure that, as a dairy 13 farmer, that the places that you deliver your milk to are 14 treated fairly amongst all of the handlers; is that right?

15

A. (Dr. Shockey) Within a given region, yes.

16 So, again, our state's unique. The Eastern 17 Panhandle is closer to New York City than our state 18 capital of Charleston, West Virginia. It's a bedroom 19 community to Washington, D.C. It's very unlike the coal 20 fields. So pick some counties and go to the state that 21 borders them. It's more like that.

22 So when I say "equitable," make it make sense for 23 the region, the part of the state that has processing 24 partners so there's competition. Competition is good.

Q. You have in your testimony on page 3 that a \$0.50 milk differential as proposed would not begin to cover the fuel costs alone on the distance for you to deliver your milk.



1 Do you recall that testimony? (Dr. Shockey) Yes. And that was in reference --2 Α. as I was reading those, I could've written that a little 3 bit better. That would be if our milk had to go 4 approximately 300 miles south to that Greensboro, North 5 Carolina, High Point, North Carolina, area. And that's 6 7 not accounting for the tolls we'd have to pay on the West 8 Virginia Turnpike. It's an 88-mile stretch of road from 9 Charleston to the state line in Virginia. All these costs 10 add up. 11 Are you able to share what it would take to cover 0. 12 your hauling cost for the 40 miles that it -- that it 13 takes now for you to deliver your milk? 14 (Dr. Shockey) Could you repeat the question? Α. 15 I'm just putting it in the context of this 0. Yeah. 16 \$0.50 milk differential that you are talking about here 17 that you said wouldn't be enough to cover your fuel costs. 18 Can you tell us, for the amount of miles that you 19 have to cover to deliver your milk today, what it would 20 take to cover all your hauling costs? 21 (Dr. Shockey) It only makes sense that the closer Α. 22 you are to the processor, the less costs you have. 23 Do you -- have you quantified that though? 0. 24 Α. (Dr. Shockey) I don't have a number for you 25 today. 26 Q. Okay. And have you done any analysis as to what 27 it takes for the milk hauling costs in any of the regions 28 where you supply milk?



| | TRANSCRIPT OF PROCEEDINGS December 06, 2023 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING |
|----|--|
| 1 | A. (Dr. Shockey) Not in the broader picture of this. |
| 2 | MS. HANCOCK: Okay. I thank you both for your |
| 3 | time. |
| 4 | THE WITNESS: (Dr. Shockey) Thank you. |
| 5 | THE COURT: Other cross-examination before I |
| 6 | invite questions from the Agricultural Marketing Service? |
| 7 | I see none. I invite the Agricultural Marketing |
| 8 | Service to ask questions. |
| 9 | CROSS-EXAMINATION |
| 10 | BY MS. TAYLOR: |
| 11 | Q. Good afternoon. |
| 12 | A. (Mr. Carson) Good afternoon. |
| 13 | Q. Thank you both for joining us today to put some |
| 14 | testimony and evidence on the record. |
| 15 | I think I'll start with Dr. Shockey, if that's all |
| 16 | right. |
| 17 | I think you mentioned that your farm was between |
| 18 | Charleston, and I wrote it down somewhere, and |
| 19 | Harpersburg [sic]. |
| 20 | Can you can you and so you're 40 miles from |
| 21 | the Charleston plant; is that correct? |
| 22 | A. (Dr. Shockey) Correct. |
| 23 | Q. Okay. And how many cows do you milk |
| 24 | approximately? |
| 25 | A. (Dr. Shockey) I have gotten so busy with economic |
| 26 | development and trying to raise a family of four and win |
| 27 | the state soccer championship, so it's hard to milk cows |
| 28 | when you are not there. But just a few months ago we were |
| | |

1 | shipping like 12,000 pounds a day.

2 Q. In your statement on the first page towards the 3 bottom, you mentioned Sugarcreek in relation to the DFA 4 Sharpsville plant and the United Dairy plant in Martins 5 Ferry, Ohio.

And so I just wanted to know why you -- I can't say I know all of my geography, but I'm learning a lot in this hearing -- so why -- why did you point out Sugarcreek? Why is that important for us to know?

10 (Dr. Shockey) That is Tuscarawas County -- please Α. 11 don't ask me to spell it because I have to look every time 12 I do it myself. But since I was a young boy, that was 13 always a respected dairy community. There's a road called 14 Ragersville Road. There's a lot of milk that goes through 15 there. And sometimes we find inspiration as we go along 16 in life. It's close to I-77 as well. It's north of 17 Cambridge, Ohio.

And there was a time I would invite West Virginia state leaders, I said, "Let's go get an ice cream cone at the Dairy Queen, and let's count the milk trucks that are traveling our interstate system. Why does our food have to travel so far? Why couldn't it just come to West Virginia for this processing capacity to create jobs?"

But, again, just since I was a little boy, there's a lot of milk from there, and that's a leading milk shed for Northeast Ohio. It's a good reference point.

Q. Okay. That's very helpful.

27

28

That's in regards to milk supply and how -- what



it costs plants to procure a local milk supply, and that's
 why you drew our attention to that?

3

A. (Dr. Shockey) Yes.

Q. Thank you. And I just like to summarize typically
when I hear testimony from farmers, and I do appreciate
you putting this on.

7 You made a number of unique points that we hadn't 8 heard yet about food deserts, as we call them at USDA, and 9 nutritional gaps, et cetera, so I do appreciate you adding 10 that point to the record.

And so what I gather generally your statement is talking about, while there's 85 -- and this is on the last page of your statement -- according to your statement there's about 85% of the milk on Federal Order 33 that's co-op milk, so there's only about 15% that would be independent supply.

But that independent supply, in your opinion, it sounds like it's pretty heavy in West Virginia, and it's important to make sure that's considered in keeping those farms and your independent processors competitive so that you can keep that vibrant industry as you described?

22 23

24

Α.

Q. Okay. Thank you.

(Dr. Shockey) Yes.

Okay. I want to turn to Mr. Carson, if I may.

For your three plants, and I'm looking at the map you provided, which is Exhibit 426, and I think these blue dots are the eight branch depots that you referenced in your statement; is that correct?



1 Α. (Mr. Carson) Yes. 2 Ο. Okay. Can you just explain for the record what a 3 branch depot is? 4 (Mr. Carson) A depot or distribution point would Α. be a location where milk is taken mostly in bulk from a 5 plant and then redis- -- put on to -- received at that 6 7 dock, and then redistributed on local routes in that 8 region. 9 All in packaged form? Ο. 10 (Mr. Carson) In packaged form. Α. 11 Ο. Okay. And so when I look at that distribution, that distribution network, and then I look at 12 13 Exhibit 430 -- and I want to be sure what I'm seeing on 14 430, because you had a little back and forth with 15 Ms. Hancock. 16 These aren't -- is it -- are these all the plants 17 in this area or just the plants that you believe you 18 compete with? (Mr. Carson) No. It's -- it's just plants that 19 Α. we felt affected, like, competitor plants. They have 20 21 plants in the Mideast Order. But we're also on the border 22 of 33, so we compete in area 1, for example, which is east 23 of Pennsylvania. We also compete in the south in Order 5. 24 0. So --25 Α. (Mr. Carson) And also, Order 5 swings around into 26 Kentucky, and we have a branch depot real close there. So 27 we actually sell milk into Order 5 in the Kentucky area. 28 Yeah. So if I'm looking at -- if I kind of look Q.



1 at your branch depots and these maps, I see them in this 2 general Ohio, Pennsylvania, Kentucky, kind of that border 3 states on the west side, but on this I see plants all the 4 way up in Michigan.

So how far out do your depots go?

And I ask these questions, it's very important for
us to understand --

(Mr. Carson) Well, we sell -- okay. It's 8 Α. 9 probably not the best way, maybe I didn't explain it very 10 well. But we sell milk up into Cleveland, up into Detroit. We sell milk in most of Ohio, not all of Ohio. 11 12 We sell milk east in Pennsylvania. We sell milk south. Ι 13 tried to say it without getting into so specifics in the 14 beginning of my testimony of kind of where we go.

15 So these plants around here would be somewhat --16 I'm not sure saying competitors in all cases, but they 17 affect our markets. Okay? That would be the best way to 18 say it.

19 Q. Okay. So if I'll use as an example, you might not 20 compete directly with those plants in Michigan, but they 21 are competing with some of your other competitors, maybe 22 in the Ohio --

23

5

24

A. (Mr. Carson) Yeah --

THE COURT: Whoa. Whoa.

25 MS. TAYLOR: Sorry. Your Honor is doing a great 26 job keeping our record clean, which we all appreciate, 27 especially USDA, when we have to go back and read all of 28 this and figure out what the Secretary -- and recommend to



| TRANSCRIPT OF PROCEEDINGS December 06, 2023 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING |
|---|
| him what he should do. So that's why she's stopping us |
| like this, of which I'm very appreciative. |
| THE COURT: So |
| MS. TAYLOR: So I'm going to finish my statement, |
| and then hopefully Mr. Carson will answer. Sound good? |
| THE COURT: Yes. |
| BY MS. TAYLOR: |
| Q. Okay. So I wanted just to give an example. |
| The plants in Michigan, you don't necessarily |
| compete directly for sales with them, but those plants |
| compete maybe with other plants in Ohio, which you do |
| compete with, if that makes sense? |
| A. (Mr. Carson) Yeah. That's one way of looking at |
| it, almost indirect. |
| Q. Uh-huh. |
| THE COURT: Now, this is a good time for you to |
| add anything else you would like to explain this |
| situation. |
| THE WITNESS: (Mr. Carson) I think I think my |
| testimony in my direct was pretty much covered the plants |
| that we're directly affected by. |
| BY MS. TAYLOR: |
| Q. Okay. And I'm going to get into that in a second. |
| So and one of the reasons I know this seems |
| kind of really detailed, but it's important for us to |
| understand those plant-to-plant equity on that on |
| this very micro level so we can go back and figure out |
| what what do we do with all this information. So you |
| |



| | NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING |
|----|---|
| 1 | are the best person to tell us about that. |
| 2 | A. (Mr. Carson) Okay. |
| 3 | Q. So I wanted to ask, if I'm looking back at |
| 4 | Exhibit 426, and you have your three plants and your eight |
| 5 | depots, could you talk about what plant services what |
| 6 | depot? So this is very specific it's very specific, if |
| 7 | you are willing. |
| 8 | A. (Mr. Carson) No problem. |
| 9 | Out of Martins Ferry: Zanesville, Lancaster, |
| 10 | Marietta, and Portsmouth. |
| 11 | Fairmont pulls from both Uniontown and Martins |
| 12 | Ferry. |
| 13 | And Charleston would have Zanesville, Beckley, |
| 14 | Roanoke, and actually a little bit of Portsmouth, but I |
| 15 | won't get into that. |
| 16 | Q. Okay. Thank you. Let's see. |
| 17 | And then if you could add for your fluid plants, |
| 18 | what plant what orders are they typically regulated on? |
| 19 | A. (Mr. Carson) All three of my plants are in |
| 20 | Federal Order 33. |
| 21 | Q. Do they have sales in other orders, even though |
| 22 | they are not regulated? |
| 23 | A. (Mr. Carson) Yes. |
| 24 | Q. And what's that reach? |
| 25 | A. (Mr. Carson) I would say it depends. But Federal |
| 26 | Order 5, we have a pretty decent amount of milk we sell |
| 27 | down there between the Carolinas and the Virginia and |
| 28 | Kentucky. It's not enough to check every month to see if |
| | |



1 we go rise above the 50%, but I would say it's probably 2 more than 25%. 3 Ο. Okay. (Mr. Carson) And then Uniontown does sell milk 4 Α. east into some Federal Order 1. 5 6 Ο. Okay. 7 Α. (Mr. Carson) Again, same thing would apply, it's 8 not enough to check all the time, but it's probably over 9 20%, something like that. I don't know specifically. 10 Thank you. That's helpful. Ο. Okay. 11 You mentioned in some testimony, Virginia base. 12 And I know they have their own state order of some kind of 13 base with a program. 14 Can you just, for the record, kind of maybe 15 explain your understanding of how that program works, just 16 so we're clear about that? 17 Α. (Mr. Carson) So if you sell -- if you want to 18 sell a customer in Virginia, you have to buy the 19 equivalent amount of raw milk from Virginia -- Virginia 20 co-ops basically. 21 Q. Okay. 22 Α. (Mr. Carson) So if you sell 100 pounds, you will 23 get the equivalent back through their market, you know, 24 Virginia Commission. If you sell a million pounds, you --25 it's up to the commission to give you the milk. And 26 it's -- I mean, as far as I know, it's only ever been 27 cooperative milk. And I don't mean specifically DFA, I 28 know they are one of them, but it's Maryland and Virginia,



NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING and there's three or four different co-ops. 1 2 Ο. So the milk you sell in Virginia doesn't have to be Virginia milk necessarily, it's just, buy the 3 equivalent of that milk and --4 (Mr. Carson) No, it's Virginia milk. 5 Α. 6 Ο. Oh, it is? 7 Α. (Mr. Carson) Yeah. 8 Ο. Okay. 9 (Mr. Carson) I mean, there might be at a time Α. 10 where if they can't get it to you, maybe they get it 11 through some other means. But I would say that's probably 12 not the -- that would be more the exception. 13 Cleared up my understanding of that program. Ο. 14 (Mr. Carson) Yeah. Α. 15 Ο. Thank you. And is it -- would it be correct that that 16 17 Virginia milk goes through your Charleston plant, since 18 it's the closest plant? (Mr. Carson) Most of it. But we also have some 19 Α. 20 sales into Virginia from our Uniontown, into that northern 21 area. 22 Ο. Okay. Okay. I'm turning to the second page, and 23 you have talked about how you have independent producers 24 and some co-ops. 25 Would you be -- can you talk about maybe the 26 breakdown of that, just percentage-wise? Do you have 27 75% independent milk? 28 And if I'm asking a question you don't want to



| | TRANSCRIPT OF PROCEEDINGS December 06, 2023 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING |
|----|--|
| 1 | answer that's totally fine, just let me know. |
| 2 | A. (Mr. Carson) It's over 50% is independent. |
| 3 | Q. Okay. |
| 4 | A. (Mr. Carson) It's been as high in say the last |
| 5 | ten years, it's been as high as 75. |
| 6 | Q. Okay. |
| 7 | A. (Mr. Carson) I mean, so just depends. |
| 8 | Q. Okay. So that varies? |
| 9 | A. (Mr. Carson) I'm sorry. |
| 10 | Q. It varies annually or monthly? |
| 11 | A. (Mr. Carson) I could not hear you. |
| 12 | Q. It varies? Your percentages vary? |
| 13 | A. (Mr. Carson) Yeah, it varies on a lot of things, |
| 14 | because we don't have a staggering amount of sales. So if |
| 15 | you get a customer and you need milk, you bring milk in. |
| 16 | Sometimes, you know, it's going to vary, or if you lose a |
| 17 | customer it could vary, so |
| 18 | Q. And you talked about your premiums. Sounded to me |
| 19 | like they were kind of seasonal premiums. |
| 20 | Would that be correct? |
| 21 | A. (Mr. Carson) I think the easiest way for me to |
| 22 | explain it without getting too into our personal |
| 23 | relationships, is is in our in for my company, we |
| 24 | need to have a partner for the summer, because we do a lot |
| 25 | of school business. So that's taken into account when we |
| 26 | do you know, when we work with co-ops. |
| 27 | Q. Okay. And you talked about your and I'm |
| 28 | looking at the second full paragraph on page 2. Your |
| | |



NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING customers have programs and pricing based on the current

2 cost structure.

And I -- I'm not asking for any confidential information, but -- well, the question I do have is, are -- Federal Order prices are monthly.

A. (Mr. Carson) Right.

Q. So is that accounted for in how you price to your8 customers?

9

6

1

A. (Mr. Carson) Yes, I would say mostly now.

Q. Okay. So I wanted to talk a bit about Charleston, which I do appreciate, as Mr. English will tell you, all the maps everyone has put onto the record to help us orient ourselves.

For your Charleston plant, and you are talking about the plants that you compete with, and how the proposed differentials under the -- 19, your differential increases and everybody else's in relationship to where you currently stand is less.

What we have heard on the record about why that was offered in Proposal 19, and we went back to look to see, okay, what was the reason, was that generally costs are more to supply that area because it's mountainous was one of the reasons, and it's harder to supply the west side of the state, which it looks like, I would consider Charleston in the east side of the state.

A. (Mr. Carson) It's kind of in the central.
O. Okay.

28

A. (Mr. Carson) But I know what you mean.



1 0. But -- so that --that's the reason that, you know, 2 if I could sum up on the record as to why the Charleston differential was justified, it came out of the model. 3 It 4 wasn't adjusted down because it's harder to supply that 5 area. 6 I just want to get your take on how you think the 7 difficulty is to supply that plant, in -- in response to 8 that? (Mr. Carson) Well, for example, in Charleston, if 9 Α. 10 I ship milk, which I do, down into the Charlotte market, which is the growing market, it's all interstate the whole 11 12 way down. And the terrain down through there, it's not 13 like -- completely that much different than in our 14 Charleston market. So we -- we have a differential of 15 \$2.50 added on, whereas if I wanted to go to ship milk 16 down into Charlotte, down into that Winston-Salem area or 17 the High Point area, I think their -- theirs went up 18 \$1.80. Now, if it was \$0.10, \$2.40 or something, I 19 20 probably wouldn't -- you know, it would make more sense to 21 But that's -- you know, that's like, \$2.50, 1.80 -me. 22 \$0.70. I mean, these are major, major differences --23 For that milk --0. 24 (Mr. Carson) -- from where we sit now to where Α. 25 this proposal is. It's a massive amount of disparity.

Q. So for that milk that you ship, packaged milk that
you're shipping in Federal Order 5; is that correct?
So those Federal Order 5 plants, under the current



1 system, pay a -- on top of the differential, pay an 2 assessment for transportation assistance to bring milk -raw milk into the area. 3 Does your plant have to pay that assessment for 4 any milk that you ship down into Order 5? 5 6 Α. (Mr. Carson) We -- you mean like a transportation 7 credit? Ο. 8 Yes. 9 (Mr. Carson) No, we don't have any. Α. 10 Okay. You talk about how, in your opinion, the Ο. differential increases -- and we'll leave aside -- I want 11 12 to leave aside for the moment to the impact to your plant 13 itself -- but you talk about how you do not think it will 14 help producers in your area. 15 So I wondered if you could expand on why you think 16 that is the case? 17 Α. (Mr. Carson) Well, what I'm saying mostly is --18 is -- I mean, if we're left uncompetitive, roughly \$0.06 a 19 gallon, we wouldn't disappear immediately, but we would 20 most likely lose business or become very unprofitable if 21 we tried to absorb some of this. And over time, we would 22 really struggle, and that just would not benefit any 23 farmers, because our volumes would be decreasing. These 24 farmers would have to go find somewhere else to ship. 25 Now, you know, maybe there's a plant near, but 26 maybe they don't want to ship to that plant, or maybe they 27 have to go, and in Joe's case, 300 miles to a plant. You

28

know, my plants are different. We have different

1 competitors around. 2 And Charleston, you know, would be the toughest scenario because there's not a lot of other plants around. 3 4 0. Right. (Mr. Carson) Pittsburgh has multiple plants. 5 Α. 6 Ο. Okay. So I want to stay on that topic, and I want 7 to turn to Exhibit 428. And so this is your chart. And on the top one I 8 9 just want to make sure it's clear for the record in your 10 labels of the rows, can you just define what MF, UT and 11 CHAS stand for, so everyone's clear? 12 Α. (Mr. Carson) Can you say that again? I'm sorry. 13 Sure. On the top of your chart in your labels for 0. 14 the different columns, excuse me, the seventh column over 15 says "versus MF." 16 (Mr. Carson) Martins Ferry. Α. 17 0. Okay. I just want to make sure it's clear --18 Okay. Α. 19 -- what those labels are. 0. 20 Α. (Mr. Carson) Okay. Got you. You're right. 21 So could you say UT and then --Q. 22 Α. (Mr. Carson) Versus Martins Ferry, versus 23 Uniontown, versus Charleston. 24 Ο. Okay. Thank you. 25 And I understand how you did the computations, but 26 what I really -- what we really want to know is, because 27 you are talking a lot about equity between competing 28 plants, is -- I know as a system your plant competes with



December 06, 2023

TRANSCRIPT OF PROCEEDINGS Decemb NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

1 a lot of these plants, but if I'm looking individually at 2 your plant, kind of like, what areas do those plants -what other plants, what areas do those compete in 3 4 directly, if that makes sense? (Mr. Carson) Okay. 5 Α. 6 0. Because as I look at it, I can't imagine --7 Α. (Mr. Carson) No, it's very -- I'm just going to 8 say it, it's going to be very hard to explain it all --9 Well, and --Ο. 10 Α. (Mr. Carson) -- precisely. 11 Ο. -- I don't want any proprietary. But, for example -- and I have no idea if this is true -- but let's 12 13 say your United Dairy plant in Martins Ferry --14 (Mr. Carson) Okay. Α. 15 -- does that compete with the Pittsburgh plants, Ο. 16 for example? So if we --17 Α. (Mr. Carson) Yes. 18 -- wanted to --0. 19 (Mr. Carson) -- it does. It's one -- it's less Α. 20 than an hour to Pittsburgh --21 Q. Okay. 22 Α. (Mr. Carson) -- from Martins Ferry. 23 And does -- and so that's kind of what I'm looking 0. 24 at. 25 (Mr. Carson) Yeah. Okay. All right. This is --Α. 26 would be the best way to do it. 27 0. Okay. 28 MR. ENGLISH: And you are starting to talk over



1 each other again, so for the benefit of the court 2 reporter. You're both doing great. But I just think -- I 3 was looking at the court reporter's face, so I think --4 THE WITNESS: (Mr. Carson) What you can probably 5 do, would be the best thing, is if you went up towards 6 Cleveland and draw a line over towards the "N" in 7 Lancaster, around Cincinnati, Portsmouth, down to

8 Lexington, Kentucky, which is in the middle of the state.
9 We actually service part of Tennessee, the tip of
10 Tennessee.

11 And then you go, not the far East Coast and North 12 Carolina, but certainly to that Durham, Raleigh area, 13 Charlotte, and actually have some customers in South 14 Carolina.

Virginia, we don't go anywhere near the beaches.
We're not over towards Richmond, but we do go to
Lynchburg. We don't go to the far side of Maryland,
although we have a distributor in Baltimore.

When we go east from Uniontown, we do some business on the way east, but we also have a good distributor in New Jersey. And I think -- I'm not sure if this will help, but the branches generally are not going to go out super far.

24 BY MS. TAYLOR:

Q. Okay.

A. (Mr. Carson) They are more for schools. We do a
lot of -- all our branches do school business. Some do.
Like, Beckley does some supermarkets that I don't -- can't



25

TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

1 do directly from a plant. 2 But in general, the theory has been in our business, if you can serve larger quantities, those come 3 4 directly from the plants. And then if you have smaller stops on routes, those can also be from your plants to 5 6 serve your local market, but also, the branches are 7 generally made up of smaller routes. 8 0. Okay. 9 (Mr. Carson) Does that --Α. 10 That's very helpful. Ο. 11 So if we went back and wanted to see, okay, let's 12 look at the plant relationships between Martins Ferry and 13 its competitors, you, at least, gave us the areas which we 14 should be --15 (Mr. Carson) Right. I mean --Α. 16 -- looking at? 0. 17 Α. (Mr. Carson) -- fresh milk, fluid milk, still only doesn't travel much further than what DOT hours would 18 19 allow for. I mean, yes, there are exceptions with 20 overnights, but, you know, you have got a 150-mile, 21 200-mile one way, you got to get back, you got to deliver 22 the milk, and you got to get back. This is -- we're not 23 like aseptic. We're not like UHT. We're, you know, fresh milk, shorter shelf life. So when we go somewhere, we 24 25 typically want to get back. 26 So you are --Q. 27 Α. (Mr. Carson) Not 100% of the time like that, but 28 that's a general rule.



And so a rule of thumb would be 100 to 200 1 Ο. 2 miles? (Mr. Carson) I'd say a couple hundred miles. 3 Α. 4 Let's -- four -- that's basically, you are going out in a tractor-trailer four, five hours, and then you got to come 5 So you can only have 11 hours driving time. So, 6 back. 7 you know, if you have a distributor, you go out, drop the 8 trailer, unhook, come back. You can do it. If you -- or 9 just one big, you know, area with a couple stops, you can 10 go out and come back. 11 MS. TAYLOR: Okay. That's it from AMS. I really 12 do appreciate your testimony and the detail you provided 13 us. 14 So thank you both to you and Dr. Shockey for 15 coming. 16 THE WITNESS: (Mr. Carson) Okay. Thank you. 17 THE COURT: Now, I want to note that the same fly 18 that bedeviled all the Ph.D. economists, chose these men 19 as well. 20 Who else has questions? THE WITNESS: (Mr. Carson) As if it's not hard 21 22 enough to be up here, I have to fight a fly the whole 23 time. 24 THE COURT: Who else has questions? 25 Mr. English, any redirect? 26 MR. ENGLISH: Chip English for Milk Innovation 27 Group, and I'll try to keep this very quick. 28 11



1 REDIRECT EXAMINATION 2 BY MR. ENGLISH: I may have misunderstood what happened, but I was 3 0. paying attention, I thought, to the questions asked by 4 USDA and to your answers. And I thought she asked you a 5 6 question about getting raw milk to Charleston in terms of 7 what they went back and looked at in the record, and the 8 co-op said it was difficult to get raw milk into 9 Charleston. And while I think your answer was wonderful, 10 I think your answer was about packaged milk moving out of 11 Charleston. 12 So assuming I may be right as to what was being 13 asked, as I look at a map -- apparently I look at a lot of 14 maps -- Charleston is served by Interstate 64, which goes 15 east/west, correct? Is that correct? 16 Α. (Mr. Carson) Yes. 17 0. Interstate 77, correct? 18 (Mr. Carson) Yes. Α. 19 Interstate 79, correct? 0. 20 (Mr. Carson) Yes. Α. 21 Do those interstates provide adequate access to Ο. 22 the Charleston plant? 23 (Mr. Carson) That's correct. Α. 24 Do you actually have difficulty getting milk 0. 25 delivered to your plant? 26 Α. (Mr. Carson) No. 27 Have you ever had difficulty getting milk to your 0. 28 plant, except on an unusual snowstorm day?

1 Α. (Mr. Carson) No. 2 0. Thank you. MR. ENGLISH: I have no further questions. 3 4 THE COURT: All right. This will be our last 5 chance to ask questions. Does anyone have anything more? All right. I see nothing. 6 7 Now, just so you understand the rules, and I'm 8 sure Mr. English has explained them to you, you are 9 allowed to say everything you know here in public in the 10 public hearing, then you are not allowed to contact the 11 Agricultural Marketing Service to add something that you 12 wish you had thought of. 13 So is there anything else that you think is 14 important that you would like to cover before we let you 15 step down? 16 THE WITNESS: (Mr. Carson) No. Thank you very 17 much. 18 THE COURT: Thank you. 19 THE WITNESS: (Mr. Carson) I appreciate 20 everyone's attention. It means a lot. 21 THE COURT: Let's see here. It is about 4:14. 22 Mr. English, what do you propose? 23 MR. ENGLISH: First I'd ask whether the court 24 reporter needs a five-minute break, or more, or none? 25 The next witness is Mr. Mike Sumners, who has a relatively brief statement, dairy farmer, who has been one 26 27 of the ones willing, and we are grateful to him for being 28 willing, to wait. But given a dairy farmer, he is coming



TRANSCRIPT OF PROCEEDINGS December 06, 2023 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING 1 ahead of Mr. Hau, H-A-U. 2 So I have handed to USDA -- I did mention earlier this morning that we had substituted a statement by 3 Mr. Sumners that he made some changes this morning, and so 4 I'd ask that the Trihope Dairy-001 be marked as the next 5 exhibit. 6 7 THE COURT: All right. So the next exhibit number 8 is 431. (Thereafter, Exhibit Number 431 was marked 9 10 for identification.) THE COURT: Let's not write it on there until 11 12 we're sure, but I show 431. 13 Let's go off record while we're distributing and 14 marking. 15 (An off-the-record discussion took place.) 16 THE COURT: Let's go back on record. 17 We're back on record at 4:20. 18 Mr. English. 19 MR. ENGLISH: So, Your Honor, similar, but for a 20 different reason to the last witness, Mr. Sumners, who is 21 a dairy farmer, is not a member of either of the Milk 22 Innovation Group or the International Dairy Foods 23 Association. He contacted us early during the proceedings 24 and asked whether I would provide him assistance. 25 And so I am calling Mr. Mike Sumners to the stand 26 of Trihope Dairy. 27 THE COURT: Thank you. And would you spell 28 Trihope for me?



1 MR. ENGLISH: T-R-I-H-O-P-E. 2 THE COURT: Thank you. I like the name, Mr. Sumners. 3 Now, I'm going to swear you in before you talk. 4 Let's test it a little more. Just count down to five. 5 Would you state and spell your name? 6 7 THE WITNESS: Michael Sumners, S-U-M-N-E-R-S. THE COURT: Yes, thank you. And you did that just 8 9 right, rather than talk to me, you have to talk to the 10 microphone. All right. 11 Have you previously testified in this proceeding? 12 THE WITNESS: No, ma'am. 13 THE COURT: Then I'm going to swear you in. 14 MICHAEL SUMNERS, 15 Being first duly sworn, was examined and 16 testified as follows: 17 THE COURT: Thank you. 18 You may proceed. 19 MR. ENGLISH: Actually, Your Honor, if I may. 20 DIRECT EXAMINATION 21 BY MR. ENGLISH: 22 Mr. Sumners, could you provide a business, not a 0. 23 personal, a business address for the record? And if they are the same, then instead, off the record, provide your 24 25 address. 26 Do you have a business address to provide other 27 than a personal address or are they the same? 28 Α. They are the same.



1 MR. ENGLISH: And, Your Honor, I think in the 2 beginning of the proceeding you asked under no circumstances for him to provide it off the record; is 3 4 that correct? That's what we used to do in this 5 proceeding. 6 THE COURT: I don't remember that, but I'm going 7 to be guided by what you think is best. MR. ENGLISH: Sounds like we don't need to. All 8 9 right. 10 THE COURT: Okay. BY MR. ENGLISH: 11 12 0. All right. Then, in that event, ignore me on 13 that. 14 Mr. Sumners, please read your statement, which has 15 been marked as Exhibit 431. 16 Α. My name is Mike Sumners. I'm a dairy farmer in 17 Henry County, Tennessee. Harris, the town in Henry 18 County, is 125 miles from Nashville, and 150 miles from 19 Memphis. I milk 800 cows on my dairy farm, Trihope Dairy. 20 I have been a dairy farmer since studying dairy at college 21 in 1981. I started in Williams County, Tennessee, working 22 for someone else, then became partners in the business for 23 about 20 years. 24 And in 2001, I moved to Paris and bought a farm. 25 And there, 20 years after trying to figure out how I was 26 going to do what everybody else was telling me I couldn't 27 do. I'm currently a member of a small cooperative, but I 28 have been a member of much larger co-op and an independent



through my career.

1

2

3

5

6

When in Franklin, which is Williams County, I first shipped milk to Southern Milk Sales. In the early 4 '90s, I switched markets and sold milk as an independent to a plant in Alabama for about four years until a co-op out of Texas offered milk cheaper.

7 I was able to switch to a Kroger plant as 8 independent until 2001. In 2001, in Paris, I started 9 shipping milk to Old Deans, which became new Deans Foods, 10 then became Morning Star, and then Saputo.

As an independent, I was able to grow from 200 11 12 cows to 800 with the relationship I have had with the 13 plant. I became a member of DFA in 2016, and it was 14 downhill from there.

15 In 2023, with the new co-op and plant agreement, I 16 can see a future. My milk travels 27 miles to the Saputo 17 plant. It's a partially-regulated plant. My milk is not 18 pooled. However, Federal Orders are just as important to 19 me as everyone else in the dairy business. I am able to 20 get a better mailbox price under the new program.

21 I have attended approximately ten or more of these 22 hearings. I have testified before and appreciate the 23 opportunity to be here.

24 I'm concerned that Federal Orders have long since 25 gotten to the point where they end up creating winners and 26 losers, rather than dealing with the real issues. For 27 that reason, it has been very hard to listen to much of 28 this proceeding. Instead of letting markets and economics



1 work, everyone seems to have a plan for how to make the 2 system work for their benefit. I don't envy USDA who has 3 the job to do, but USDA should not be picking sides, and 4 instead, they need to do what is best for the industry.

How do you have a program since 1937 and few, if anyone, understands what it is, what it does, or what it's for? Everyone thinks it's for something different. It doesn't make sense to me knowing that part of the Act is to educate and supply information.

I learned from wonderful USDA personnel, one Tom Franks in Atlanta, Arnold Stallings from Federal Order 5, and others, who were mentors in me understanding this process.

The first thing you should learn is FMMOs do not determine the price of milk, which should be obvious. Nowhere in the calculation is there farm costs. They're in search of a spot unregulated milk price. Three or more farms can form a co-op and do whatever. Most milk buyers can choose not to be regulated. Milk is dumped and sold at prices unrelated to pool obligation values.

I sell Grade A raw milk. I don't sell Class I, Class II, Class III. A plant has to support a milk supplier regardless of how the milk is used. With Federal Orders, they have the same starting price because we pool revenue among plants -- pool revenue among plants in a geographical area.

In the Southeast, the raw milk supply hasdecreased more than Class I sales have declined, and the



1 solution from the powers that be is spend more money 2 further from home, hauling milk long distances and 3 consolidating raw milk supply to a few least cost areas of 4 the country, which are subject to change. Maybe that's 5 the goal for some. That is where the program has headed 6 us.

A problem with the system is that raising Class I price with pooling does not answer the need to get milk to the fluid plant. Pooling with mandated large Federal Orders make the problem worse. All dairy farmers have costs, labor feed, energy, and hauling. We don't pool costs, we only pool revenue.

Lower Class I differentials (or at least not
higher ones) doesn't mean that milk will not be cheaper --

15 THE COURT: Now, you read that different from what 16 you wrote. Start again with that sentence and read it the 17 way you want it.

18 THE WITNESS: Lower Class I differentials (or at 19 least not higher ones) doesn't mean that milk will be 20 cheaper, it still has to be paid for. But pooling dilutes 21 what goes to the dairy farmers shipping to the plant.

I just think we need to do things differently. If you give the dairy farmer like me the ability through transparency to see what is going on, we can negotiate a fair price for milk.

Finally, my views on component pricing are that it doesn't work as currently set up. The PPD is the pool milk. The Class III is not pooled; the value is paid out



1 first. After the hearing in early 2023 on transportation 2 credits, I filed a short comment with USDA. I said this, 3 4 I stand by it when it comes to the National Milk Producer Federation proposal, NMPF proposal: "Doing nothing will 5 give you a much better outcome than the DCMA proposal. 6 7 Markets can work. How far milk travels is not a 8 performance standard that should be treated special. 9 Dairy farmer location should not be a restriction on milk 10 value. If you decide to make changes, please treat all milk the same." 11 12 When I was learning about Federal Milk Orders, you 13 had to learn and understand performance standards. Todav 14 we pool, and it is about who gets paid before we do the 15 pool. 16 BY MR. ENGLISH: 17 Ο. Thank you, Mr. Sumners. I have just a couple 18 questions. 19 When you indicate that you milk 800 cows, and I'm 20 sure you have heard this question before because you have 21 testified before, are you a small business under the Small 22 Business Administration? 23 No. But that amount, who is paying for my milk, Α. 24 it could. I have been small, but I'm not now. 25 Which is an indication that you are getting a Ο. 26 better mailbox -- that's an indication you are getting a 27 better mailbox price, as you indicate in your testimony,



correct?

28

| | NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING | | | |
|----|---|--|--|--|
| 1 | A. Well, I saw that with the better price for the | | | |
| 2 | milk and and a better hauling situation. | | | |
| 3 | MR. ENGLISH: I have no further questions for the | | | |
| 4 | witness. I guess on his behalf I'll move Exhibit 431 at | | | |
| 5 | an appropriate time. | | | |
| 6 | THE COURT: Is there any objection to the | | | |
| 7 | admission into evidence of Exhibit 431, also marked as | | | |
| 8 | Trihope Dairy-001? | | | |
| 9 | There is none. Exhibit 431 is admitted into | | | |
| 10 | evidence. | | | |
| 11 | (Thereafter, Exhibit Number 431 was received | | | |
| 12 | into evidence.) | | | |
| 13 | THE COURT: Who will begin cross-examination of | | | |
| 14 | Mr. Sumners? | | | |
| 15 | CROSS-EXAMINATION | | | |
| 16 | BY MR. MILTNER: | | | |
| 17 | Q. Good afternoon, Mr. Sumners. | | | |
| 18 | A. Good afternoon. | | | |
| 19 | Q. For the record, my name is Ryan Miltner, and I | | | |
| 20 | represent Select Milk. | | | |
| 21 | So I I had a question about increasing the | | | |
| 22 | Class I differential, and you acknowledge in your | | | |
| 23 | statement that you ship to a partially-regulated plant, | | | |
| 24 | correct? | | | |
| 25 | A. Correct. | | | |
| 26 | Q. And so even though it's partially-regulated, I | | | |
| 27 | don't want necessarily to get into the specifics of your | | | |
| 28 | contract with them or your payment arrangements or what | | | |
| | | | | |

1 your co-op pays. 2 But presumably, if that plant pays a higher Class I price, you would expect to receive additional 3 4 income; am I correct? Α. If the blend price went higher, I would get a 5 6 better price. 7 Ο. So is your -- what you receive is tied to the blend price in Order 7; is that right? 8 9 Α. Yes. 10 0. Okay. 11 Α. But, of course, that plant doesn't have 12 necessarily a blend price, but there's a blend price 13 announced in Atlanta, and that's -- that's a focal point 14 of what I'm paid. 15 0. Okay. I appreciate --16 But if the blend price didn't raise in Atlanta, Α. 17 even though you have the higher Class I differentials, my 18 price wouldn't change. 19 And so -- so your -- your focus as a producer Ο. would be on whether -- on the blend price impact and less 20 21 on the Class I price itself; is that correct? 22 Α. Say that again. 23 As a producer, you're more concerned with the 0. blend price than the Class I price? 24 Well, like I said, I sell raw -- Grade A raw milk. 25 Α. 26 What Saputo does packaging that milk, I really don't know. 27 But if the value in the market price goes up, I am 28 negotiating for a higher price. I mean, they have to



1 compete for milk. But when you regulate milk on top of 2 milk, it's hard to negotiate the price. You can do that 3 with the Class I differential. You can do that with 4 transportation credits.

5 I have long believed that higher Class I 6 differentials doesn't solve anything. A higher Class I 7 differential is not about creating a higher price. They 8 are going to have to pay a price for the milk or they 9 won't get the milk. A higher Class I differential is 10 about moving money away from the plant, not moving milk to 11 the plant.

12 Q. Explain that last sentence so it's clear for the13 record what you mean by that.

A. Well, if you took it to extreme and, say, put a \$10 Class I differential on a plant, you would attract all kinds of milk. Unless that milk was limited some way with the performance standard, it would dilute the pool, and the price would actually be lower because you're going to bring that higher price with historically lower prices.

So it does -- and the milk that comes, it may have advantages in feed costs, labor costs, whatever. And it more than moves the milk on top of you when you may have high costs around these milk plants. And you lose your local supply.

In the Southeast we have had a problem since I started in the business. When I started in the dairy business, you had a support price in California that the California dairy farmers were buying beach houses. At the



same time, there were dairy farmers around me going out of
 business.

And you could do the same thing with Federal Orders. If you subsidize your manufacturing supply by raising the Class I differentials, you are going to create more commodities that will lower the price, and that price comes all the way back to the fluid plant with the lower price.

Q. Is that --

9

10 A. You have more milk. We have been doing it for 20
11 years. And doing the same thing, I think you're going to
12 get the same results.

Q. And is that because you think that -- or your experience might be that a higher Class I differential causes more milk to associate and pool on the order and dilutes the blend price and moves money out to distant producers?

A. Before Congress passed a law that said you have to have X number of orders, you had a geographical area that was defined, and the Class I differential supported a milk supply.

Now, the Class I differential, they talk about moving the milk in. You need to be high to move milk. It's not supporting the milk supply. The milk supply's far away. And that milk won't move unless you pay market price there, plus hauling.

Now, as a farmer, I buy stuff that's far away. I
could do a small amount of it. But if that was my feed



supply was far away, I couldn't make money doing that.
 And these milk plants, they are asked to support a milk
 supply. You can't support a milk supply larger than your
 needs.

5 The Class I, the Class III, IV price, are formula 6 prices. You take the commodity price, your 7 Make Allowances change over time, and all they are trying 8 to do is make up the difference in the Make Allowance.

9 I mean, we got Class III and IV overpriced right 10 now. Now, people don't like to hear that, but if you 11 can't make milk at that, the cheese price is going to go 12 up because you will have less milk, less milk, less 13 cheese. And with the Make Allowance so tight, all you get 14 is big plants. Now, if you lucky to live around one of 15 those plants, but if you had to haul your milk to those 16 plants, it's very costly. Or if you lose your plant, 17 that -- that's why you need to deal with true minimum 18 values and let markets work, or you're picking winners and 19 losers.

Q. You haven't said so directly in your statement,
but do you -- do you support or oppose increasing the
Class I price surface?

A. No.

Q. You oppose it? You -- your preference is that it not be increased?

A. No. It was set too high in 2000.

27 Q. Okay.

A. In 2000, you had a choice of two Class I surfaces,



23

26

| 1 | and I stayed up all night and read the decision when it | | |
|----|---|--|--|
| 2 | come out in 2000, and I was happy to see that | | |
| 3 | recommendation of a lower Class I pricing surface. But | | |
| 4 | like most people think, oh, higher Class I, more money. | | |
| 5 | Not necessarily. | | |
| 6 | Q. Do you | | |
| 7 | A. You had high Class I differential in the Southeast | | |
| 8 | and you lost your milk supply. | | |
| 9 | Q. Do you have an opinion on any of the other | | |
| 10 | proposals in the hearing that I well, I know you do. | | |
| 11 | Do you want to put on record your position on any | | |
| 12 | other proposals that are under consideration? | | |
| 13 | A. I'm about given up. | | |
| 14 | Q. Thank you, Michael. | | |
| 15 | A. They are going to do what they are going to do. | | |
| 16 | Q. All right. | | |
| 17 | MR. MILTNER: I don't have any other questions. | | |
| 18 | Thank you. | | |
| 19 | THE COURT: Don't give up. If you have got an | | |
| 20 | opinion, we want to hear it. | | |
| 21 | THE WITNESS: Well, the importance of my opinion | | |
| 22 | is, is if you subsidize the milk supply anywhere in the | | |
| 23 | country, it's going to have a negative effect on you | | |
| 24 | trying to supply a fluid plant. And you talk about these | | |
| 25 | economic models. They did one when they did the | | |
| 26 | California hearing, and it showed it had an effect on the | | |
| 27 | whole country. | | |
| 28 | Now, we don't know how much of an effect it would | | |
| | | | |



have, but economic models would point you in the right
 direction to be looking. And the reason why it had an
 effect was, what California was asking for, was higher
 prices and mandatory pooling. They didn't get that.

5 But like back in the '80s when you had a support 6 price, that they were building milk plants to sell powder 7 and butter to the government, and cheese, it had an effect 8 on the whole country. I had to pay \$0.50 when I was a 9 young man to help get out of that mess. We had a 10 diversion program. We had a buy program.

In the late '80s they started having a market again. The price of milk was the support price in the '80s. And then the '90s came, and you could actually do risk management because you had a market. There was no need to do a risk management before that because the market was what the government was buying.

But it seems like everybody wants to apply economics to other people, but they don't see it when it's applied to them.

But the Class I differentials, if you left them alone, you have already took out people, and added people, you change them again, you're picking winners and losers. And -- and if you look, the losers are next to the fluid plants, and you're supposed to be running a fluid program.

Yesterday, listening to the hearing driving up here, I thought I was coming to a hauling conference. The milk -- the milk plant that I take to, there's some local



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

milk going in there. I think there's going to be some
 more local milk come back in there. But most of the milk
 travels further than what I drove yesterday.

And -- and the 20 years I have been there, there's been quite a few loads of milk lost because they can do other things besides beating their head against wall. And it -- and it's not necessarily a lot of money. \$0.50 could mean either you're profitable or you're not.

9 And you can't haul milk very far for -- I think 10 it's a penny a mile now. That's 50 miles, and we're 11 hauling milk hundreds of miles. And the further you have 12 to haul it, the less they want to pay the local producers 13 through regulations, and you give the money to somebody 14 that's hauling milk. I don't know any farmer wins. The 15 truck driver wins.

I go to a milk bay most every night, and the long haul drivers, they want to brag about how much money they make. They make more money than the dairy farmer.

So anyway, I guess I'm done.

20 THE COURT: All right. Let's see who else has 21 questions before I ask for the Agricultural Marketing 22 Service's questions. So who else has questions before I 23 turn to the Agricultural Marketing Service?

No one. I invite the Agricultural MarketingService questions.

26 //

19

- 27 //
- 28



11

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

1 CROSS-EXAMINATION 2 BY MS. TAYLOR: Good afternoon. 3 0. Α. Good afternoon. 4 Thank you for joining us today. 5 Ο. 6 You mentioned you're a member of a small 7 cooperative. What's -- can I ask the name of that co-op? 8 Α. Pardon? 9 What's the name of your cooperative that you are a 0. 10 member of? 11 Α. Tt's K-Y-T-N. 12 0. And how many members does it have? 13 We have eight so far. Α. 14 Eight. Okay. 0. 15 You say that, it sounds like you have a leadership 16 position in that co-op? 17 Α. I have -- I'm sorry, I can't hear too good. 18 Sure. I can speak up. I'm just not trying to 0. 19 I don't want you to think I'm yelling at you. vell. 20 Do you have -- the way you said that, I asked, do 21 you have a leadership position within that cooperative? 22 Like, a board member, or I'm not sure, I'm just --23 Α. I'm sorry, I'm hearing the echo with the mic. 24 Ο. Okay. Let me try again on a different question. 25 You ship to Saputo. 26 Α. Yes. 27 Ο. And so is that where all of the co-op's milk goes 28 or just your milk?



| | TRANSCRIPT OF PROCEEDINGS December 06, 2023 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING | | |
|----|--|--|--|
| 1 | A. Yes, all the milk is going to co-op. And there's | | |
| 2 | other co-ops bringing milk in there, too. | | |
| 3 | Q. Okay. And does your co-op supply any other plants | | |
| 4 | or just the Saputo plant? | | |
| 5 | A. Just Saputo. | | |
| 6 | Q. Okay. And then as a cooperative, you can reblend. | | |
| 7 | Do you all reblend or does the plant pay your | | |
| 8 | members directly? | | |
| 9 | A. We pay for services, testing, so forth. We know | | |
| 10 | what all these costs are, but there's nothing to reblend. | | |
| 11 | Q. Basically, they pay you all the same because you | | |
| 12 | ship to the same plant? | | |
| 13 | A. The plant pays X for the milk. The people that | | |
| 14 | administer the check writing, whatever, pays, and what's | | |
| 15 | left over pays to the producers. No matter what size they | | |
| 16 | are, everybody gets paid the same. Hauling rates are | | |
| 17 | based on what the producer can get the milk to the plant. | | |
| 18 | But everybody's paid the same. | | |
| 19 | Q. Okay. | | |
| 20 | A. And when you are when the blend price is | | |
| 21 | announced, I know what the price is that I'm going to | | |
| 22 | receive. | | |
| 23 | Q. Okay. On page 2, in talking about you now ship to | | |
| 24 | Saputo, you say you are able to get a better mailbox price | | |
| 25 | under this new program. | | |
| 26 | Does that mean under the new co-op arrangement to | | |
| 27 | Saputo? I want to make sure I understand what "new | | |
| 28 | program" means. | | |
| | | | |



| | NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING | | | |
|----|---|--|--|--|
| 1 | A. New program? | | | |
| 2 | Q. Well, program to me as a government person means | | | |
| 3 | some government program, so I'm sure that's not what you | | | |
| 4 | mean. | | | |
| 5 | So I'd like to know what you mean when you say | | | |
| 6 | A. My new program. | | | |
| 7 | Q. Uh-huh. | | | |
| 8 | A. It's the agreement that this little co-op has with | | | |
| 9 | the processor. It's based it's more of a traditional | | | |
| 10 | independent supply, but we function as a co-op. | | | |
| 11 | We had we hadn't registered with the USDA as a | | | |
| 12 | co-op because there's no need. The milk's not pooled. | | | |
| 13 | But we are a co-op under Kentucky law. | | | |
| 14 | Q. Okay. I understand. Yeah. | | | |
| 15 | I don't want to be repetitive. I think Mr. | | | |
| 16 | Miltner asked a couple of my questions, so let me see. | | | |
| 17 | At the bottom of page 3, you write, "If you give | | | |
| 18 | the dairy farmer like me the ability through transparency | | | |
| 19 | to see what is going on, we can negotiate a fair price for | | | |
| 20 | our milk." | | | |
| 21 | And I'm wondering if I asked the question of, | | | |
| 22 | like, what kinds of items would you like to see Federal | | | |
| 23 | Orders provide to dairy farmers to help you negotiate that | | | |
| 24 | fair price? | | | |
| 25 | A. For me, I can with the information you have | | | |
| 26 | now, I could probably figure it out. But there's other | | | |
| 27 | producers that don't understand the Federal Order system. | | | |
| 28 | There's a in the Southeast, we got a blend price. You | | | |



got T-credits. We're going to have inter-T-credits
probably. And all of it comes from milk revenue. But
it's earmarked to go do this. It's earmarked to go do
that, not necessarily -- and it's different for everybody.
They have a hard time figuring out what we do now. I
don't think they will ever figure it out.

Q. So with that, I think you are talking about more education to producers so they understand the program and then can go out and negotiate like you have been able to do.

11

Would that be correct?

A. Well. In business, location is important. And
what we're doing is, the further you are from the plant,
you are treated differently.

And like I say, we don't know what the costs are from place to place. These large dairies, they got to go out to an area where they can buy enough land to put a dairy, support a dairy, but then they got to haul the milk. We have been doing that for years.

These small dairies that were traditionally around the plants, they got higher costs. The high cost of the plant that goes out to a suitable area to milk thousands of cows, he got transportation costs. So the past several years we -- we -- this large dairy over here, we say, well, we need to haul this milk to the plant, but not the small dairy, he don't get the benefit of that.

Now, these inter-transportation credits that they
are talking about that's going to pay a little bit, but



still, it's based on how far you are from the plant. So as you lose your milk supply around the plant, you are going to haul more milk. And they going to have to try to raise the Class I differential, which is not a good way.

5 Milk supply would be there if it was paid. I been 6 around dairy farmers all my life, and -- and most of the 7 time it just gets too difficult. You got to send your 8 kids to school. They want a life. And if you can't 9 generate enough income to support all that, they go do 10 something else.

And in my part of the world, you can row crop. Row crop is much easier than it is running a dairy operation. So they leave row crop -- I mean, leave dairy and go to row crop. So, you know.

But in my experience, and in most of my career I have been paid I think a fair price. But everybody and -but my co-op neighbors, they suffered and go'ed away because the Federal Orders did some, but the co-ops did more.

Lots of time they -- you know, deficit markets, they wasn't even paid the Federal Order minimum price. So the -- the co-op collects the money, they make the deal, they haul the milk, and what's left over their members got. And all the members are not treated the same.

25 So you got Federal Orders not treating the same. 26 You got co-ops not treating the same. You got winners and 27 losers.

28

When -- of course, when I learned about Federal



1 Orders, they would preach the all milk's treated the same. 2 That's not true anymore. Well, I do thank you for your time to come up here 3 Ο. today, Mr. Sumners, and your testimony on the record. 4 MS. TAYLOR: That's it from AMS. 5 THE COURT: Thank you. Are there any other 6 7 questions for Mr. Sumners? 8 I see none. Have I admitted into evidence the exhibits? 9 10 Before you leave me, is there any objection to the admission into evidence of Exhibit 431, which is Trihope 11 12 Dairy-0001? 13 MR. HILL: You have already admitted it, Your 14 Honor. 15 THE COURT: Oh, good. That's already admitted. 16 But just in case, I admit it into evidence. 17 Thank you so much. It's 5 o'clock. It's really 18 time for us to leave. Do you want to give me a preview of what comes next? 19 20 MR. ENGLISH: I think we'll do a little tandem 21 We -- proving that I had assumed the role of the here. 22 mantle of the over-optimistic lawyer, Mr. Hau did not get 23 on today of Maple Hill Creamery. That's H-A-U. His 24 statement was distributed last evening. And he does have 25 an important business meeting at 11 o'clock, and since he 26 was left over from today, and since I don't believe I have 27 an objection from my colleague, Mr. Rosenbaum, we would 28 like to start with him tomorrow. He would be first.



1 THE COURT: And did you want to pass out any paper 2 copies of his testimony? 3 MR. ENGLISH: I would rather pass it out tomorrow 4 morning. 5 THE COURT: All right. 6 MR. ENGLISH: If people want it tonight, I can 7 give it tonight, but it has been posted. 8 MS. TAYLOR: I prefer paper. I'm old school. 9 THE COURT: Mr. Rosenbaum, while Mr. English is 10 distributing some paper copies, let's see, let's give it a 11 number. 12 Mr. English, it will be 432. 13 (Thereafter, Exhibit Number 432 was marked 14 for identification.) 15 THE COURT: And, Mr. --MR. ENGLISH: 432, it's labeled Hau-001. 16 17 THE COURT: Hau-001. Good. 18 And, Mr. Rosenbaum, if you don't mind the 19 competition of the activity, I'll hear from you. MR. ROSENBAUM: Yes. I think our next witness 20 21 then will be -- after Mr. Hau, will be Dr. Balagtas. 22 THE COURT: Spelled? 23 MR. ROSENBAUM: B-A-L-A-G-T-A-S, Balagtas. 24 THE COURT: B-A-L-A-G --25 MR. ROSENBAUM: -- A-T-A-S. I'm sorry, I put one 26 too many A's in there. It's B-A-L-A-G-T-A-S. 27 Dr. Balaqtas. 28 MR. ENGLISH: And then the next witness, Dr. Mark



Stephenson. He will be providing comments. He is coming as a neutral observer on NMPF 19, providing comments. I think he's been monitoring the hearing and received from yours truly questions that have been asked by USDA and others about the model. And that was -- was electronically uploaded at 8:30 this morning.

I do not have paper copies with me, I apologize.
You will have them tomorrow, but it was uploaded at 8:30
this morning. And so Dr. Stephenson would follow
Dr. Balagtas as the third witness.

MR. ROSENBAUM: And then finally, if we have time tomorrow, Mike Brown would be the fourth witness tomorrow. And I do have paper copies of his testimony, which I'll distribute now, if that makes sense.

THE COURT: I think that would be great.

MR. ROSENBAUM: Okay. He has a -- Mr. Brown has both a written testimony and as well as a PowerPoint, and I have them both in paper format. They were both posted late yesterday. But I'll go ahead and hand out the paper copies now.

I do not have Dr. Balagtas yet, but we'll postthat this evening.

23THE COURT: All right. Then we'll skip over his,24and I'm going to assign Mike Brown --

25 MR. ROSENBAUM: Your Honor, Dr. Balagtas will have 26 both a written statement and a PowerPoint, so we need to 27 assign two -- leave two numbers blank for him.

THE COURT: I'm not going to leave numbers blank



28

15

if I don't have a document. 1 2 MR. ROSENBAUM: Okav. THE COURT: So --3 MR. ROSENBAUM: And we can number them out of 4 order. 5 6 THE COURT: So what you are going to distribute 7 now, though, we'll put a label on, we'll give one of Mike Brown's documents 433 and the other one 434. 8 9 MR. ROSENBAUM: And, Your Honor, 433 which will be the first number for him, that will be, as I handed out 10 11 right now, his written testimony, and that's 12 IDFA Exhibit 57. 13 THE COURT: 57. IDFA-57 is Exhibit 433. 14 (Thereafter, Exhibit Number 433 was marked 15 for identification.) 16 THE COURT: And Exhibit 434? 17 MR. ROSENBAUM: That will be IDFA Exhibit 58, 18 which is a PowerPoint. 19 THE COURT: IDFA-58, which is a PowerPoint. 20 (Thereafter, Exhibit Number 434 was marked 21 for identification.) 22 THE COURT: Let's go off record while those are 23 being distributed. 24 Off the record at 5:06. 25 (An off-the-record discussion took place.) 26 THE COURT: Let's go back on record at 5:07. I'll 27 wait until tomorrow for my copies, so as long as the 28 participants who will be looking at it tonight have



December 06, 2023 TRANSCRIPT OF PROCEEDINGS NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

theirs, I'm happy. I'm looking at Exhibit 433, IDFA Exhibit 57, and Exhibit 434, IDFA Exhibit 58. Good. If there's nothing else, I'm going to put us in recess. Is there anything else? I see nothing. I'll see you all at 8:00 in the morning. We go off record at 5:08. (Whereupon, the proceeding concluded.) ---000---TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

| | TRANSCRIPT OF PROCEEDINGS December 06, 2023 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING |
|----|--|
| 1 | STATE OF CALIFORNIA) |
| 2 |) ss COUNTY OF FRESNO) |
| 3 | |
| 4 | I, MYRA A. PISH, Certified Shorthand Reporter, do |
| 5 | hereby certify that the foregoing pages comprise a full, |
| 6 | true and correct transcript of my shorthand notes, and a |
| 7 | full, true and correct statement of the proceedings held |
| 8 | at the time and place heretofore stated. |
| 9 | |
| 10 | DATED: January 21, 2024 |
| 11 | FRESNO, CALIFORNIA |
| 12 | |
| 13 | 1 ha Rent |
| 14 | Myeas tak |
| 15 | . () |
| 16 | MYRA A. PISH, RPR CSR Certificate No. 11613 |
| 17 | Certificate No. 11015 |
| 18 | |
| 19 | |
| 20 | |
| 21 | |
| 22 | |
| 23 | |
| 24 | |
| 25 | |
| 26 | |
| 27 | |
| 28 | |
| | |
| | TALTY COURT REPORTERS, INC.10024taltys.com - 408.244.190010024 |

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

| | \$1.25 9865:25 9866:3 | that's 9990:1 | 1100 9784:12 |
|---|---|--|---|
| \$ | \$1.48 9805:1,15 9906:27,28 | | 11:06 9864:21 |
| \$0.02 9803:19 9804:22 | 9907:6 | 0 | 11:59 9895:7 |
| 9807:18 9880:21 9904:8 | \$1.70 9941:8 9962:7 | 0.12 9795:18 | 12 9833:4,22 9834:3 9891:28 |
| \$0.03 9808:11 9824:16 9826:26 9830:4,12,28 | \$1.80 9990:18 | 001 9930:1 | 9904:3,7 9905:5 9923:19 |
| 9831:4,9,11,18,20,26 9832:8 9880:21 | \$10 9902:12 10008:15 | 002 9946:19,23 9963:21 | 12,000 9980:1 |
| \$0.04 9802:27 | \$11 9902:18 | 9966:11 | 120% 9941:3 |
| , | \$15 9799:11 | 016 9795:8 | 125 10001:18 |
| \$0.05 9806:22 | \$16 9902:2,3 | 02 9794:25 | 13 9801:13 9804:15 9822:20, 21,22 9823:5 9824:26 |
| \$0.06 9941:9 9956:8,11,15, 23 9958:21,24,26 9991:18 | \$18.68 9907:22 | 031 9795:7 | 9828:16,19,22 9905:14 |
| \$0.07 9806:20 | \$19.13 9845:10 | 035 9796:5 | 130% 9941:2 |
| \$0.08 9880:2 | \$19.75 9797:26 | 038 9812:28 9813:11 9820:2 | 14 9858:1 9905:25 9908:14 |
| \$0.09 9808:7 9880:5,20 | \$2 9902:19 9935:20 9938:26 9962:7 | 05 9794:15 9812:26 9888:25 | 1400 9937:5 |
| \$0.10 9945:28 9954:19 | \$2.30 9935:21 9945:11 | 056 9796:7 | 15 9907:12 |
| 9990:19 | \$2.40 9941:7 9945:10 9962:8 | 066 9796:6 | 15% 9981:15 |
| \$0.15 9803:11 9952:26 9953:20 | 9990:19 | 1 | 15-minute 9857:12 |
| \$0.17 9807:13 9909:9,18 | \$2.50 9941:1 9945:9 9990:15,21 | 1 9800:12 9801:17 9806:18 | 150 9946:5 10001:18 |
| \$0.20 9941:17 9953:3,13,19 | \$20 9844:24 9923:22 | 9829:18,20 9858:26 9859:12 9860:4 9874:17 9885:5 | 150-mile 9995:20 |
| \$0.21 9801:7 | \$20.34 9845:11 | 9888:15,23 9896:3 9907:17 | 16 9908:19 |
| \$0.22 9803:20 9910:4 | \$21.77 9844:27 | 9940:6 9956:16 9963:15 9964:17 9982:22 9986:5 | 17 9866:9,10 9867:9 9908:27 |
| \$0.24 9801:7 | \$22.04 9843:23 9844:19 | 1, 250 9956:28 | 17.54 9907:20 |
| \$0.25 9866:22,28 | \$24.85 9844:20 9877:6 | 1.48 9907:11 | 170 9946:8 |
| \$0.30 9798:1 9802:12 | \$25 9902:10 9923:28 | 1.80 9990:21 | 175 9832:10 |
| 9903:27 9952:17 | 9924:13 | 1.9 9799:21,22 | 175-mile 9936:3 9970:3 |
| \$0.31 9880:1 | \$26 9845:3 9902:13 | 10 9903:22 9910:19 9964:2 | 18 9808:23 9910:28 |
| \$0.33 9802:10 | \$3 9924:4 9939:3 9959:21 | 10% 9800:13 9825:26 | 19 9801:19 9807:8 9821:19 9934:24 9935:5 9937:1 |
| \$0.35 9804:4 9953:20 | 9960:27 | 9902:1,3,8 | 9940:17 9942:15,22 9943:9 |
| \$0.37 9803:9 \$0.40 9807:20 9945:16 | \$3.70 9946:7 9954:17 \$30 9799:11 | 100 9879:5,6,7,18 9907:16 9945:21 9986:22 9996:1 | 9947:3,14 9949:3 9989:16, 20 10021:2 |
| 9954:21 | \$4 9953:4 9954:15 9960:13, | 100% 9890:1 9900:26 | 1937 10003:5 |
| \$0.48 9804:17 | 28 9962:12,13 | 9939:1 9973:4 9995:27 | 1970s 9790:11 |
| \$0.50 9903:25 9904:13 | \$4.70 9946:8 9952:7 | 100,000 9975:27 | 1980s 9791:14 9945:1 |
| 9941:18 9945:23 9950:26 9959:25 9977:25 9978:16 | \$5 9939:3 9960:16,28 | 100-mile 9970:1 | 1981 10001:21 |
| 10012:8 10013:7 | \$6 9906:2,3 | 101 9831:26 | 1986 9933:20 |
| \$0.60 9955:10 | | 10:00 9839:22 | 1987 9893:13 |
| \$0.70 9990:22 | (| 10:35 9857:12 | 1988 9859:13 9860:5 |
| \$0.74 9804:13 9805:3,10 | (1) 9824:3 | 10:50 9857:13 | 9869:12 |
| 9879:22 9897:23,27 9907:1, 7,20 | (n)(1) 9824:9 | 10:51 9857:16 | 1990 9790:15,16 |
| \$0.75 9825:28 9826:3 | | 10th 9846:21 | 1990s 9791:20 |
| 9835:16 | | 11 9904:21 9996:6 10019:25 | 1995 9812:18 |
| \$1 9946:7 9959:25 | 000 9895:9 10023:10 | 110% 9941:3 | 1998 9859:18 9869:10 |
| | | | 1:00 9895:6 |



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

| NATIONAL FEDERAL M | ILK MARKETING ORDER | PRICING FORMULA H | IEARING |
|--|---|---|---|
| 1:56 9928:7 | 9845:1,2,9,19,25 9846:6,10 9848:1,4,10,23 9849:21 | 9957:12 9978:5 9991:27 | 10 9922:17 9923:10,21 9924:5 9926:1 9927:7,9,11 |
| 2 | 9871:26 9875:23 9876:2 | 310 9831:27 9832:6 | 425 9928:3,17,21 9935:26 |
| | 9877:4 9902:13 9904:25 | 3100 9922:7 | 9963:2,9 9964:15,20 9965:6, |
| 2 9844:11 9845:10 9846:7 | 9922:17,21 9923:11,13,19, 27,28 9924:1,4,12,16 | 311 9832:11 | 7,9 |
| 9847:1 9862:3 9871:24 | | | 426 9928:24 9929:3 9934:7 |
| 9884:6,23 9885:6 9935:25 | 2022's 9876:6 | 313 9832:7 | 9946:21 9955:2 9963:2,17 |
| 9937:25 9938:11,15 9939:3, 23,26 9940:3 9959:21 | 2023 9782:1,3 9796:4 | 314 9832:10 | 9964:19 9965:12,13,15 |
| 9963:17,19,21 9964:22,25 | 9797:2,6 9802:25 9803:8 | 32 9836:15 | 9971:27 9981:26 9985:4 |
| 9970:2 9988:28 10015:23 | 9804:16,18 9806:21 9812:18 9819:23 9821:25 9822:3,4,5, | | 427 9929:6,15 9939:24,27 |
| 2% 9956:16 | 7,9,13 9835:2 9844:24 | 33 9836:15 9934:16 9935:18 9940:4 9950:11 9981:14 | 9963:2,18 9964:22 9965:18, |
| 2 20 0025-00 00 | 9845:15 9866:21 9867:6 | 9982:22 9985:20 | 19,21 |
| 2.20 9935:20,22 | 9879:7 9880:6,20 9896:1 | 35 9939:17 9956:12 | 428 9929:18,25 9940:10,14, |
| 2.99 9960:3 | 9904:8 9909:9 9910:4 | 33 9939.17 9930.12 | 16 9954:5 9955:12,26 |
| 20 9938:16 9956:13 9960:12 | 9917:4 9923:17,19,22 9924:3 9928:25 10002:15 | 35-year 9937:10 | 9963:2,18 9964:24 9965:24, 25,27 9992:7 |
| 9974:26 9975:16,20 | 10005:2 | 37% 9831:26 9832:7 | 25,27 9992.7 |
| 10001:23,25 10009:10 | 2024 9845:8,15 9858:3 | 38 9814:15 | 429 9829:7 9930:2,3 9931:24 |
| 10013:4 | 9880:1 9882:5 9905:28 | | 9963:2 9964:25 9966:5,7,17, 18 |
| 20% 9986:9 | | 38% 9824:15 | - |
| 20/20 9913:20 | 2028 9858:17 | 380 9799:18 | 430 9930:9,14,17 9946:24 9963:2,22 9964:28 9966:10, |
| 200 9858:17 9879:6 9996:1 | 2031 9923:13 | 384 9864:10,17,18,23 | 12,14 9982:13,14 |
| 10002:11 | 2032 9803:18 9804:21 | 9869:16 | |
| | 9806:26 9807:18 9808:10 | 3:10 9964:1 | 431 9999:8,9,12 10001:15 10006:4,7,9,11 10019:11 |
| 200-mile 9995:21 | 9833:27 9835:2 9858:3,17 | | |
| 2000 9825:24 9826:12,22 | 9867:6 9903:15,16 9912:14 | 3:20 9964:2,9,12 | 432 10020:12,13,16 |
| 9829:15,22 9832:15 9833:8, 18 9834:9,14 9836:2 | 22 9878:25 9924:1,15 | | 433 10022:8,9,13,14 10023:2 |
| 9904:24 9913:8 10010:26,28 | 225 9879:7,19 | 4 | 434 10022:8,16,20 10023:3 |
| 10011:2 | 226.4 9876:13 | 4 9806:14 9841:3,18 | |
| 2000s 9805:21 | | 9870:12,13 9888:14 9896:12 | 43935 9932:18 |
| | 23 9801:8 | 9904:7 9943:22 | 4:14 9998:21 |
| 2001 10001:24 10002:8 | 25 9797:28 9945:5 9959:9 | 4% 9938:16 | 4:20 9999:17 |
| 2012 9829:22,23 9837:28 | 25% 9986:2 | 4-0 9974:14,15 | |
| 2014 9809:26 | 251 9902:5 | | 5 |
| 2016 10002:13 | | 4.40 9962:10 | |
| | 26% 9836:16 | 40 9955:10 9974:7,12,14,15 | 5 9806:8 9819:8 9844:12 9845:11 9847:1 9857:20 |
| 2017 9899:3 | 27 10002:16 | 9978:12 9979:20 | 9868:13 9871:24 9875:21 |
| 2018 9804:13 9806:13,15 | 276 9831:27 9832:10 | 40-pound 9824:12 9851:6 | 9940:6 9954:28 9955:4,5,7 |
| 9859:13,18 9860:5 9869:2, 11,13 9897:25 9911:25 | 2:05 9928:10 | 41 9782:4 | 9982:23,25,27 9985:26 |
| 9913:23 | 2.03 9920.10 | 421 9788:15,16 9789:13,19, | 9990:27,28 9991:5 10003:11 10019:17 |
| 2010 0020-15 | 3 | 27 9823:13 9836:1 9844:12 | |
| 2019 9939:15 | | 9845:11 9846:7 9857:20 | 50 10013:10 |
| 2020 9812:19 9814:1 | 3 9806:14 9825:1 9858:25 | 9858:25 9870:12 9882:4 | 50% 9885:5 9986:1 9988:2 |
| 9905:17 9939:15 | 9862:22 9863:23 9865:1 | 9883:2 9884:7 9888:16 9896:13 9925:10,12,13,15 | 50-cow 9936:4 |
| 2021 9813:6 9922:24 | 9886:8 9887:3 9888:15,23 | | |
| 9923:12 | 9935:15 9939:14 9940:8,12, 13,16 9963:18 9964:20,21, | 422 9789:13,14,24 9801:2 | 50-some-odd 9904:6 |
| 2022 9787:9,15,17 9796:18, | 23 9976:24 9977:25 | 9808:22 9819:9 9821:4,6 9863:23 9866:9 9868:13 | 500 9798:25 9799:8,20 |
| 22,24,26 9797:5 9821:8,15, | 10016:17 | 9888:15 9925:10,18,20,22 | 9806:8 9872:27,28 9874:5 9898:16 9901:24,25 9905:28 |
| 18,27 9822:2 9825:24 9826:12,22 9829:15,24 | 3% 9825:26 9832:18,23 | 423 9829:2,9 9834:8 9835:20 | 9908:5 9910:2,5,7 9939:20 |
| 9832:15 9833:9,18,26 | 9833:10,19 9834:17 | 9836:10 9837:12 9925:28 | 9956:26 |
| 9834:9,14 9836:2 9840:4 | 30 9807:20 | 9926:4,7 9927:5 | 500,000 9937:4 |
| 9841:16,18,19 9842:2,5 | | 424 9839:24,26 9841:6 | |
| 9843:5,8,9,19,20,22,23 9844:2,3,11,18,19,21 | 30,000 9976:2 | 9843:9 9844:3,10,17,25 | 500-plus-cow 9936:4 |
| , | 300 9932:17 9950:22 | 9845:10,19 9846:11 9847:4, | 500-pound 9824:15 |
| | | | |



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

Index: 1:56..500-pound

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

| December | 06, | 2023 |
|----------|-----|------|
| ADTMO | | |

| NATIONAL FEDERAL M | ILK MARKETING ORDER | PRICING FORMULA | |
|---|--|---|--|
| 51 9800:13 9902:1 | 75 9988:5 | 9953:26 9956:20 9959:26 | |
| 57 10022:12,13 10023:2 | 75% 9987:27 | absorb 9817:13 9942:2 | |
| 58 10022:17 10023:3 | 76 9846:19 | 9958:26 9991:21 | |
| 59 9829:7 9834:7 9926:1 | 77 9997:17 | abundance 9936:10 | |
| 5:06 10022:24 | 79 9997:19 | academic 9846:1 | |
| 5:07 10022:26 | | accept 9786:20 9849:18 | |
| 5:08 10023:8 | 8 | acceptable 9930:23 | |
| 5:30 9894:27 | 8 9829:20 9831:22 9882:12 | access 9935:4 9997:21 | |
| 5B 9864:11 | 9896:11,14,23 9897:13 9901:18 9905:15 | accessibility 9950:10 | |
| 5th 9932:17 | 8.85% 9845:14 | accident 9975:10 | |
| | 800 10001:19 10002:12 | acclimate 9809:24 | |
| 6 | 10005:19 | accomplished 9873:20 | |
| 6 9782:1 9821:6 9882:4,13 | 80s 9969:3 10012:5,11,13 | account 9815:9 9849:22 | |
| 9892:9 9896:1 | 85 9981:12 | 9878:22 9879:20 9884:27 9885:20 9900:16 9910:12 | |
| 6% 9865:28 | 85% 9950:10 9981:14 | 9914:5 9937:16 9988:25 | |
| 6.33% 9845:15 | 88-mile 9978:8 | accounted 9989:7 | |
| 60 9926:2 | 8:00 10023:6 | accounting 9878:27 9881:22 9978:7 | |
| 600,000 9975:26 | 8:30 10021:6,8 | accuracy 9833:1 9834:6 | |
| 60s 9933:24 | | - | |
| 62 9934:25 | 9 | accurate 9797:20 9843:27 9893:7,20,25 9894:21 | |
| 62% 9976:5 | 9 9801:2 9829:18 9836:10 | 9924:25 9926:26 9934:8 9970:20 | |
| 63 9840:16 9843:21 9844:10 | 9837:11 9874:21 9883:2 9976:7,8 | accurately 9819:16 | |
| 9846:15,16 9847:3 9923:10 | 90% 9900:28 | achieve 9788:1 9919:28 | |
| 63% 9832:9,24 9834:17 9835:21 | 90s 9933:25 9969:4 10002:4 | acknowledge 9912:25 | |
| 64 9997:14 | 10012:13 | 10006:22 | |
| 65 9945:17 | 90th 9846:21 | acquaint 9782:5 | |
| 65211 9784:13 | 9:25 9820:14,17 | act 9963:5 10003:8 | |
| 667 9932:24 | 9:38 9828:28 | activity 9948:13 9949:11 | |
| 6th 9782:3 | 9:39 9829:5 | 10020:19 | |
| | 9:59 9839:19 | actors 9809:20 | |
| 7 | A | actual 9806:4 9821:24 9841:10 9850:5,18 9851:10 | |
| 7 9801:8 9823:12 9824:28 | | 9852:7,9,26 9867:28 | |
| 9825:16 9828:21 9832:15 9834:26 9835:4 9836:1,24 | A's 10020:26 | 9871:28 9872:1,4 9875:23, 28 9876:9 9877:5 9886:26 | |
| 9892:8 9896:11,14 9904:22 | A-T-A-S 10020:25 | 9919:15 | |
| 9924:11 10007:8 | a.m. 9839:22 | add 9812:4 9864:2 9869:7 | |
| 70 9945:23 | AA 9921:10,11 | 9872:22 9880:11 9889:22 9933:28 9935:12 9943:20 | |
| 70% 9939:20 | abbreviations 9793:24 | 9951:14 9962:21 9978:10 9984:17 9985:17 9998:11 | |
| 70s 9933:24 | ability 9843:15 9854:11 | 0004.17 0000.17 0000.11 | |

ability 9843:15 9854:11

9817:15 9818:25 9838:13

9868:24 9872:5 9894:27

9913:20 9914:16 9936:23

added 9926:26 9990:15 9855:11 10004:23 10016:18 10012:21 absolutely 9807:25 9809:25

adding 9795:24 9838:3 9858:21 9860:19 9923:6 9981:9

addition 9782:23

additional 9797:8 9804:18 9805:26 9807:14 9861:13 9862:17 9867:1 9877:28 9909:19,24 9950:19 9951:12 9968:26 10007:3

address 9784:10 9793:13 9917:9 9932:15,20,21,22,24 10000:23,25,26,27

addresses 9906:26

addressing 9818:9

adds 9943:5

adequate 9997:21

adhering 9944:22

adjust 9802:23 9803:7 9809:21 9855:22 9887:13 9899:22,28 9914:14,17 9936:9 9937:19 9958:16

adjusted 9990:4

adjusting 9891:22 9916:26 9937:12

adjustment 9809:19 9875:25 9920:17

adjustments 9796:24 9797:2,7,8 9798:2 9843:26 9888:28 9915:12

adjusts 9809:17 9856:28

administer 10015:14

Administration 10005:22

admission 9849:16 9925:9. 12,18 9926:4,20 9927:8 9963:1,6,8 9965:5,12,18,24 9966:4,10 10006:7 10019:11

admit 9966:17 10019:16

admitted 9865:2 9925:13.20 9926:6,15 9927:9 9965:7,13, 19,25 9966:12,18 10006:9 10019:9,13,15

adopted 9808:27 9839:9 9949:3 9962:19

adoption 9849:8 9942:6

adulthood 9948:9

advance 9842:13

advantage 9940:25 9941:9 9945:24 9946:7 9951:4

advantages 9814:22 9816:10 9817:1 9835:28 9945:19 9948:19 10008:21

advocate 9785:12 9786:6 9849:5 9920:20,21



74% 9836:17

74,291 9975:28

74 9907:4

TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

December 06, 2023

AFBF-5B 9864:23

affect 9796:10 9798:22 9810:6 9818:6 9878:3 9914:26 9983:17

affected 9839:5 9875:1 9900:3 9906:9 9982:20 9984:21

affecting 9839:1

affects 9914:20,27

affirm 9967:11

afford 9939:6 9949:4

aftermath 9860:14

afternoon 9896:1 9966:28 9967:1 9979:11,12 10006:17,18 10014:3,4

afterward 9962:1

ag 9784:28 9785:10,25 9790:21 9799:27 9900:6 9922:28

aggregate 9855:21,23 9856:26 9857:1 9880:19 9889:27 9890:13

- agree 9818:15 9834:5,13 9836:20 9862:13 9917:19 9927:4 9974:19
- agreement 9796:13 9821:8 10002:15 10016:8

agreements 9950:19

agricultural 9783:20 9784:20,23,26 9786:16,21 9791:15,20,22 9793:16 9839:13 9840:3.15 9846:11 9847:10 9856:3 9882:3 9883:10,12 9896:4 9920:9, 25 9922:17 9979:6,7 9998:11 10013:21,23,24

agriculture 9839:1

ahead 9790:4 9894:10 9901:11 9912:22 9918:27 9963.6 9999.1 10021.19

Alabama 10002:5

alcohol 9948:5

alfalfa 9870:22

aligning 9796:25

all-milk 9797:23,25 9798:1 9802:12,24,27 9803:10,19 9804:21 9806:22,27 9807:13,17,28 9808:5,8,10 9843:22 9844:14,18,25 9845:2,9 9870:5 9875:12 9876:27 9877:6,13,16,20,21, 23 9878:4,11,17 9880:6,20

9881:5,15,18 9882:6 9885:4, 8.16.25 9902:13.18 9909:4. 9,18 9911:3 9917:24 9923:12,22,28

all-scenario 9807:27

allocate 9854:18

allocation 9849:23 9850:15, 28 9851:14 9852:15,18 9853:3 9854:18,26 9856:15 9919:20

Allowance 9801:6 9808:2 9824:20 9851:7 9854:13 9903:25 9904:18 9914:3 9918:1,8 9919:9,10,14 9925:6 10010:8,13

allowances 9787:10 9800:26 9801:6.26 9802:6.8. 19,28 9849:12,15,17 9856:11 9857:4 9904:5,12 9918:19,20 9919:2,19,21,27 9920:3,8,10,14 9947:19 10010:7

allowed 9802:22 9803:16 9851:10 9852:25 9887:12 9998:9,10

almond 9938:21

alter 9810:13 9914:8

alternative 9798:25 9817:16 9868:25 9898:16 9899:20 9919:18 9920:7 9938:21 9961:9

alternatives 9811:26 9868:23 9920:23

altogether 9800:24

amended 9844:6

America 9969:3,11,14

American 9791:21 9795:14, 15 9864:11 9865:3 9868:13, 14 9886:1

American-type 9885:28

Amish 9976:3

amount 9849:27 9851:9 9852:7 9887:23 9888:11 10005:23 10009:28

amounts 9824:3,8

ampersand 9827:11,18,21

AMS 9912:21 9916:8.14 9996:11 10019:5

analyses 9822:11 9841:9

analysis 9784:25 9785:1 9786:11.16.21 9787:14.26 9789:20 9790:20,27 9791:2, 3,6 9793:4 9798:21 9801:9 9802:4 9804:26 9805:18 9806:21 9807:12 9810:11 9815:13,18 9816:19 9819:5, 17 9821:23 9822:1 9826:5, 17,18 9833:14 9836:28 9839:3 9844:20,22,26 9847:9 9848:1,23 9849:1 9857:7 9859:25 9868:27 9869:2 9890:28 9899:5,11 9903:26 9904:14 9905:3 9906:14,17 9917:27 9918:4 9978:26

analyze 9785:8 9818:28 9898:4 9911:7 9918:15

analyzed 9818:24 9874:25 9897.22

analyzes 9785:6 9859:22

analyzing 9801:14 9810:27 9813:4 9816:2 9817:20

anchor 9952:3

announced 9830:8,9,10,11, 12 9867:27 10007:13 10015:21

annual 9787:17 9791:13 9792:7 9810:16 9811:23 9817:25,28 9818:8,14,17,18 9836:12,13,21 9842:17 9845:2 9847:9 9848:4 9860:7 9868:27 9888:22

annually 9945:7 9988:10

anomaly 9858:20

answering 9859:26 9971:1

answers 9911:7 9916:13 9997:5

anticipate 9782:22

anymore 10019:2

apologize 9865:12 9876:9 9887:9 10021:7

Apostolic 9976:3

Appalachia 9935:2 9939:13 9943:11 9947:10,12 9948:17 9949:4 9950:5,13

Appalachian 9946:15 9950:15

apparently 9801:25 9997:13

appearing 9930:6 9933:8

appears 9840:15 9844:12

applied 10012:19 applies 9941:14

9892:28 9926:7

apply 9986:7 10012:17

applying 9863:16,18

appreciative 9984:2

approach 9791:26 9799:14, 15,25 9801:28 9803:5 9805:23 9814:23 9815:2 9816:13,27 9818:27 9822:24 9827:4 9882:10 9884:8 9886:20,21 9893:6 9903:5,6, 20 9909:22 9915:22 9918:28

approached 9845:3

appropriately 9834:2

appropriation 9791:13

approximately 9934:25 9978:5 9979:24 10002:21

arbitrarily 9939:8,9

archaic 9937:15

area 9865:10 9935:2.13 9954:28 9958:5 9961:2,7 9971:19 9974:4 9978:6 9982:17,22,27 9987:21 9989:22 9990:5,16,17 9991:3,14 9994:12 9996:9 10003:26 10009:19 10017:17,22

areas 9793:5 9858:14 9859:24 9865:25 9928:27 9934:17 9935:4,7 9939:13 9941:11 9948:28 9950:1,2 9993:2,3 9995:13 10004:3

argue 9854:23 9863:28 9890.9

arithmetic 9833:7

Arnold 10003:11

arrangement 10015:26

arrangements 10006:28

aseptic 9973:5,6,14 9995:23

asks 9841:8

assess 9838:28 9839:5 9844:4 9852:1,22 9854:10 9919.23

assessed 9853:13

assessment 9849:4,6 9894:3 9920:20 9991:2.4

assign 10021:24.27

assistance 9991:2 9999:24



anytime 9924:17

9919:14 9954:27 9957:28 9961:22 9978:18 9985:26 9986:19 9988:14 9990:25

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

associate 9867:17 10009:15

association 9783:4 9791:21 9820:23 9869:27 9916:21 9932:27 9950:9 9999:23

assume 9837:5 9845:17 9854:1,2,8 9857:9 9865:20 9877:27 9916:22 9917:16 9919:13

assumed 10019:21

assuming 9783:5 9832:28 9833:14 9834:6 9997:12

assumption 9845:14 9854:16 9920:6

assumptions 9788:4 9845:18 9870:20 9915:2,5,6 9918:16 9919:18

assure 9861:12

astronomical 9956:23

astuteness 9964:6

Atlanta 10003:11 10007:13, 16

Atlantic 9929:9 9930:13

Attachment 9939:23,26 9940:3,8,12,13,16 9963:15, 17 9964:17,22,23

attacked 9977:11

attainment 9948:3 9949:12

attempt 9941:20

attended 10002:21

attention 9824:25 9836:10 9951:27 9981:2 9997:4 9998:20

attract 9937:13 9943:1 10008:15

attracted 9937:2

attracting 9942:28

audience 9793:15

August 9796:18 9847:15

authorization 9791:18

authorized 9791:17

authors 9917:5

automated 9935:13

availability 9816:17 9949:7

Avenue 9784:12

average 9804:4,24 9805:3, 10 9807:26 9809:11 9824:3, 8,11,14 9830:3,7,9 9831:13, 14,15 9845:2 9846:14,17 9847:2 9858:22 9877:21,23 9885:6 9897:23,26 9902:6 9907:4,6,16,19,20 9908:1 9910:2,6,7,14 9911:1 9913:15,18 9920:11,14 9936:2 9938:26

average-of 9804:12

averaged 9806:7

averages 9804:23 9814:16 9847:5 9908:7,10

avoid 9893:27

avoids 9912:19

Award 9791:23

aware 9814:18 9817:27 9818:3 9821:17 9830:2 9853:7 9864:8 9917:11 9935:5 9952:2,13,16,20 9953:2 9954:12 9971:11

awful 9916:7

awkward 9971:4

axis 9799:8,9 9901:28

B-A-L-A-G 10020:24

B-A-L-A-G-T-A-S 10020:23, 26

в

B-R-O-W-N 9783:16

bachelor's 9784:19

back 9782:2,3 9787:8,9,11 9788:6 9790:9,11,13 9791:13 9797:4 9802:4 9803:18 9804:14 9805:20 9808:19 9809:26 9820:8,14, 16,17 9821:27 9822:1,2 9825:15 9829:4,5 9832:14 9839:21,22 9843:11,15,18 9844:28 9848:11,12 9853:17 9854:25 9857:12,15,16 9860:8 9863:11 9864:21 9868:16 9869:16 9879:23 9880:17,21 9881:7,14,23 9883:26 9884:3 9885:17 9890:8 9891:9,25 9895:5 9896:2,3,9 9898:23 9899:5 9900:24 9902:6,22 9907:25 9908:14 9913:7 9919:24 9923:2,6 9928:9,10 9933:23 9956:19 9964:2,8,11,12 9969:3 9982:14 9983:27 9984:27 9985:3 9986:23 9989:20 9995:11,21,22,25 9996:6,8,10 9997:7 9999:16. 17 10009:7 10012:5 10013:2 10022:26

backfill 9968:26 9969:1 background 9784:16

9933:20

backward-looking 9913:11

bad 9919:22

Balagtas 10020:21,23,27 10021:10,21,25

balance 9862:8,10 9915:15 9936:7

balances 9855:2 9862:4,15, 18

balancing 9886:6

ball 9912:23

ballpark 9876:22,23

Baltimore 9994:18

band 9805:2,16

bands 9907:6,8

bank 9890:6 9935:15

bankruptcy 9939:15

banks 9935:11

bar 9907:13

barrel 9801:10 9803:4,6,25 9804:6 9808:2 9823:14,19 9824:15 9825:6,17,19,21,23, 24,27 9826:2,6,19,21,26 9829:14 9830:3,11,12,17,23, 24,28 9831:4,9,11,17,19,25 9832:8,16,22 9833:5,10,15, 17 9834:1,16,21 9835:1,14, 21 9836:15,26 9837:1 9838:18 9880:11 9904:20,24

barrel-block 9825:4

barrels 9823:10

bars 9907:14

base 9834:20 9839:3 9939:20 9942:1 9943:10 9969:5 9986:11,13

based 9792:16 9797:17 9809:2 9810:11 9830:2 9841:19 9842:2 9851:14 9853:20 9855:10 9863:14 9873:1 9890:21 9892:2,23 9910:15 9911:22 9914:7 9924:25 9936:19 9951:7 9989:1 10015:17 10016:9 10018:1

baseline 9795:21 9796:15, 17,19,27 9797:14,24 9798:5, 7,12,15,25 9799:2 9800:2,3, 7 9802:3,20 9803:18,20,22, 24 9804:10,20 9805:6,13 9806:12 9833:23 9835:26 9841:5,10,16,19 9842:2,5 9843:4,5,8,9,21,26 9844:6, 11 9845:22,26,27 9846:2,4, 28 9847:18,19,22 9848:10, 13,18 9857:21 9858:2,3,10, 18 9866:24 9870:16 9872:7, 12 9874:4 9875:21 9878:26 9893:6,11,12,27 9896:17 9898:15,18 9901:19 9903:5, 6 9905:6 9909:10 9922:26 9923:1,3,7,22 9924:16,21,24

baselines 9793:4 9797:17 9848:16 9898:24

basic 9873:11 9879:13

basically 9825:5 9840:11,13 9877:12 9917:6 9929:20 9938:23 9958:7 9986:20 9996:4 10015:11

basis 9819:4 9874:26 9902:27 9940:19

bay 10013:16

BCR 9812:6

BCRS 9812:5

beach 9892:20,21 10008:28

beaches 9994:15

bear 9801:23

beat 9893:16

beating 10013:6

beauty 9854:14

Beckley 9949:17,24 9985:13 9994:28

bedeviled 9996:18

bedroom 9977:18

began 9944:28

begin 9782:6 9784:9 9793:20 9802:23 9820:18 9877:11 9950:27 9977:26 10006:13

beginning 9796:26 9797:5, 10 9879:14 9880:18 9890:19 9904:9 9937:27 9948:8 9983:14 10001:2

begins 9835:5,8

behalf 9785:28 9786:6 9787:15 9933:8 9944:8 10006:4

behave 9893:10 9911:16

behavior 9843:19 9863:19 9887:26 9891:11 9914:13



December 06, 2023

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

behind-the-scenes 9893:14

belaboring 9869:28

belief 9939:2

believed 10008:5

bell-shaped 9799:5 9897:17

Belmont 9952:14

beneficial 9963:28

beneficiary 9939:10

benefit 9816:20 9817:15 9853:10 9941:22 9942:8 9967:6 9991:22 9994:1 10003:2 10017:26

benefits 9816:27 9947:20 9948:15

bet 9902:18

bet's 9874:15

betcha 9959:9

beverage 9917:19 9945:8,10

beverages 9817:17 9917:7 9938:21 9949:8

biased 9893:26

bids 9935:10

big 9853:23,26 9856:22 9870:8 9889:25,28 9900:11 9902:12,20 9922:13 9960:26 9973:5 9996:9 10010:14

bigger 9902:15 9905:10,21 9915:13,14,15 9948:2

biggest 9914:23

Bill 9790:15,16,18,19 9792:6 9804:13 9806:13,16 9809:27 9819:28 9897:25 9898:19 9911:25 9913:23

billion 9876:13 9879:5,7,19 9945:7

bills 9785:2 9790:16 9791:9 9792:8,10

bin 9806:1,6,7,14 9907:17

binning 9806:10 9908:4

bins 9806:3,5 9907:16 9908:3

bit 9790:8,9 9796:3 9799:17 9800:3 9838:24 9858:7,20 9865:17 9873:17 9878:28 9884:21,24 9886:9 9888:17 9894:8 9905:2 9908:9,25 9911:10,13,24 9912:12 9914:25 9915:3,4,20 9916:11 9922:20 9951:15 9959:12 9973:24 9978:4 9985:14 9989:10 10017:28

black 9805:8 9814:26 9830:20,22 9831:8,13,18 9900:3,13

blank 10021:27,28

blatantly 9940:25

blend 9877:8,14,16 9881:4, 21 9885:14 10007:5,8,12,16, 20,24 10009:16 10015:20 10016:28

blessed 9946:12 9974:7

block 9794:25 9803:6 9823:19 9824:12 9825:11, 21,23 9826:6,22,25 9830:3, 10,17,22,23,27 9831:9,10, 12,13,15,17,19,25 9832:9 9833:15 9834:1,11 9837:1 9838:18 9851:6 9904:24

blow 9911:15

blue 9805:3 9934:15 9981:26

board 9867:13 9962:14 10014:22

border 9941:19 9982:21 9983:2

bordering 9949:1,15,22,26

borders 9977:21

bore 9901:2

bottled 9868:19

bottom 9807:27 9837:11 9847:27,28 9862:3 9867:4 9869:6 9874:21 9904:4 9909:4 9980:3 10016:17

bought 9969:1,14,15 10001:24

boundaries 9886:13

bounds 9805:8

box 9977:4

boy 9864:23 9980:12,24

brag 10013:17

branch 9934:14 9981:27 9982:3,26 9983:1

branches 9955:2,3 9994:22, 27 9995:6

breadth 9799:24

break 9820:13,15 9857:12, 14 9894:10 9895:5 9964:10 9998:24 breakdown 9987:26

breakfast 9938:19 breaking 9816:11

breaks 9960:27

Brian 9926:5

briefly 9868:7,16

bring 9838:15 9845:28 9920:19 9988:15 9991:2 10008:19

bringing 9883:18 10015:2

broader 9785:7 9950:8 9971:15 9979:1

broken 9937:15

brother 9933:24 9944:18

brought 9954:11

Brown 9782:15,17 9783:7, 15 9784:1,7 9786:15,20,26 9787:3 9789:19 9808:16 9820:7,10,22 9829:11 9838:8,9 9840:2 9857:19 9861:4,8 9864:26 9869:19, 21,24 9881:28 9883:15 9922:4 9925:24 9926:7,16 9927:2,14 10021:12,16,24

Brown's 9788:13 10022:8

Budget 9791:27

building 9795:1 10012:6

buildings 9890:11 9937:5

builds 9889:28

built 9802:10 9819:12,16 9863:13,15 9916:8

bulk 9982:5

bullet 9821:6

bump 9913:13

bumpy 9914:21

bundle 9852:2

TALTY COURT REPORTERS, INC.

burden 9856:8 9943:9

burdensome 9944:12

Bureau 9864:11 9865:3

business 9784:10,20 9890:22 9932:15,20,21,23, 24 9933:21,23,26 9934:1,4 9941:11 9950:20 9951:2 9956:10,12,14,15,19,22,24 9957:2,5,9 9959:1,3 9960:9 9961:2 9975:18,23 9976:23 9988:25 9991:20 9994:20,27 9995:3 10000:22,23,26 10001:22 10002:19

taltys.com - 408.244.1900ex: behind-the-scenes..capital

10005:21,22 10008:26,27 10009:2 10017:12 10019:25

December 06, 2023

busy 9979:25

butter 9795:14 9796:6 9801:6 9862:5 9886:1 10012:7

buy 9956:4 9957:20 9986:18 9987:3 10009:27 10012:10 10017:17

buyer 9960:17

buyers 9959:27 9960:14 10003:18

buying 9969:10 10008:28 10012:16

С

C-A-R-S-O-N 9931:15

C-MARTS 9947:8

calc- 9881:21

calculate 9876:26 9903:18

calculated 9881:8,21 9885:12

calculating 9885:14

calculation 9823:10 9837:6 9838:4 9870:5 9875:5 9877:7 9879:26 9880:18,25 9881:1,23 9904:11 10003:16

calculations 9845:17 9926:25

California 10008:27,28 10011:26 10012:3

call 9790:20 9836:10 9839:13 9845:20 9847:19 9881:4 9883:27 9898:15 9930:11 9933:4 9981:8

called 9816:4 9823:19

calling 9783:6 9999:25

9838:28 9980:13

calls 9935:6

caloric 9948:4

Cambridge 9980:17

cap 9856:11 9919:11,12

capacity 9946:28 9947:4

9950:16 9951:5 9980:23

capita 9855:28 9862:1

capital 9889:25 9890:24

9901:6 9956:18 9974:2

9977:18

capital-intensive 9890:10

capped 9852:7

Capps 9792:4 9810:20 9811:5,12,14 9812:1,3,12,27 9815:17,20 9817:23 9818:1 9820:5,7,8

Capps' 9810:21 9811:20 9819:25

capture 9817:5 9843:20 9851:1 9852:6 9896:25 9971:1

captured 9875:18,24 9965:3

captures 9816:21 9875:16

capturing 9808:26 9816:20

care 9937:14 9950:7 9964:6

career 9784:18,24 9785:3 9935:19 9937:10 9961:8 10002:1 10018:15

careful 9859:23

Carolina 9928:27,28 9929:9, 23 9934:20 9955:5,9,21,22 9970:18 9978:6 9994:12.14

Carolinas 9985:27

carrying 9890:16

Carson 9782:17 9894:26 9927:23.24 9928:20 9930:11,27 9931:3,12,14,18 9932:4,14,17,26,28 9933:3, 7,10,17,18,19 9934:10,13 9935:24,27 9936:1 9938:2,7, 12.14 9939:28 9940:2.11.15 9942:19,22 9943:16,21,26 9951:13,21 9952:1,5,8,11, 15,19,23,28 9953:5,11,18, 22,25,27 9954:7,14,18,20,23 9955:1,13,17,20,23,25,28 9956:2,7,11,27 9957:1,4,20, 22,25,27 9958:4,9,14,19 9959:16,19,23 9961:12,16, 27 9962:6,13,20 9963:1 9967:1,2,5,8,15,25,28 9968:2,10,14,16,24,28 9969:17,19,21,24,27 9970:5, 10,13,22,25,27 9971:7,11, 13,16,21,23 9972:1,5,7,9,11, 13,16,18,21,23,25,27 9973:4,7,9,13,17 9977:8 9979:12 9981:24 9982:1.4. 10,19,25 9983:8,23 9984:5, 13,19 9985:2,8,19,23,25 9986:4,7,17,22 9987:5,7,9, 14,19 9988:2,4,7,9,11,13,21 9989:6,9,26,28 9990:9,24 9991:6,9,17 9992:5,12,16, 20,22 9993:5,7,10,14,17,19, 22,25 9994:4,26 9995:9,15, 17,27 9996:3,16,21 9997:16, 18,20,23,26 9998:1,16,19

Carson's 9963:15

case 9794:24 9802:8 9803:8 9804:11 9807:4,28 9819:24 9828:18 9836:12 9839:4 9851:21 9852:15 9855:28 9856:25 9880:3 9907:17 9908:17 9913:20 9962:17 9991:16,27 10019:16

cases 9792:15 9873:3 9885:17,21 9906:1,3 9908:13 9983:16

categories 9908:28 9909:6

category 9875:22 9876:25, 28 9877:2 9879:3

cattle 9856:7

caught 9963:13

caused 9860:14

cent 9824:2

center 9791:17

centers 9948:21

central 9989:26

centralized 9948:18

cents 9904:6

cereal 9938:19

certainty 9912:16

cetera 9809:20 9853:21 9981:9

CFO 9933:27

chain 9817:3 9944:10 9950:25

chains 9934:27

challenge 9879:1

challenges 9949:5

championship 9979:27

chance 9822:26 9848:13 9902:3 9931:2 9998:5

change 9789:3 9800:1 9802:6,25,27 9803:24 9808:2 9810:4,8,9 9818:9 9833:22 9835:28 9836:2 9843:14,15 9849:12 9856:14,22 9858:2 9862:12 9878:26 9879:8,10 9880:20 9885:21 9888:9 9889:12 9891:6,24 9892:6 9893:23, 24,25 9897:19 9905:5 9908:21 9910:14 9911:2,27 9913:4 9914:10,11,20 9915:5,14,16 9929:19 9936:14,22 9937:22 9943:19 9953:20 9963:28 9964:25 10004:4 10007:18 10010:7 10012:22

changed 9809:15 9813:10 9821:18,20 9839:6 9844:5 9856:10 9866:27 9891:11 9909:13 9920:16 9938:17

changing 9793:3 9797:22 9887:23 9943:4

chaos 9936:26

characterize 9794:20 9795:12,22 9805:11 9813:9 9851:20,22 9877:9

charge 9958:1

charges 9969:18

Charleston 9934:5 9935:19 9940:27 9945:9 9946:7 9949:17,24 9951:18 9952:2, 10 9969:11 9974:2,4 9977:18 9978:9 9979:18,21 9985:13 9987:17 9989:10, 14,25 9990:2,9,14 9992:2,23 9997:6,9,11,14,22

Charlotte 9990:10,16 9994:13

chart 9907:25,28 9908:27 9940:16 9961:28 9992:8,13

charts 9866:15 9907:13 9908:5 9909:1 9954:25

CHAS 9992:11

cheaper 10002:6 10004:14, 20

check 9985:28 9986:8 10015:14

checked 9950:10

cheddar 9824:15 9851:6

cheese 9795:14,15 9796:5 9801:7,10 9803:4,7 9804:6,7 9808:2 9823:15,20 9824:12, 15 9825:4,17,19,21,22,23, 24,27 9826:2,6,22 9829:15 9832:16 9833:5 9834:1,16, 21 9835:1,15,22 9836:26 9837:1 9850:20 9851:6 9868:14 9886:1 9904:8,21, 24 10010:11,13 10012:7

cherry-pick 9924:28 9950:1

chief 9790:20,28

childhood 9948:8

children 9935:7 9937:4 9950:6 9962:24 Chip 9782:7 9861:9 9927:20 9996:26

choice 9900:26 9948:4 10010:28

choose 9818:18 9911:6 9976:17 10003:19

choosing 9873:18

chose 9791:5 9893:27 9908:10 9952:17 9996:18

chosen 9952:6

chronic 9948:7

Cincinnati 9994:7

Circana 9816:4

circle 9975:2

circles 9928:28

circularity 9863:13,15

circumstances 10001:3

city 9952:3 9977:17

claim 9960:24

clarification 9820:27 9854:5 9860:1 9874:20 9876:1 9887:8 9920:1 9949:19

clarify 9870:3 9883:25

clarifying 9847:24 9921:24 9954:8

clarity 9942:21

Clark 9954:12,13

class 9787:12 9801:13,17,19 9802:9,12,17,24 9803:2,9, 14,20,24,26 9804:5,12,14, 16,19,28 9805:4,17,27 9806:4,11,16,20 9807:1,2,4, 6,9,11,15,19,21 9808:3 9821:20,21 9822:1 9825:28 9826:3 9833:23 9835:15 9856:16 9861:10,12 9862:7, 13 9865:5.21.26.27 9866:2. 5,11,13,15,16,18,20,22,23, 27 9867:2,5,12,16,26,27 9868:2 9871:5,20,21,24,25 9874:22,25 9876:28 9877:3, 27 9878:2,18 9879:21,22,28 9880:1,2,3,7 9881:2 9886:14,15 9905:6,14,17,22 9906:1,2,3,4,9,10,11,13 9907:7.9.10.15.17.18.19 9908:1,25 9909:1,10,12,14, 15,17,23 9910:4,9,14 9912:11,15 9922:14 9934:23 9935:6 9936:9.11.23 9938:22,23,24 9939:5 9941:26 9942:24 9943:2,6 9947:24 9952:6 9953:3



TRANSCRIPT OF PROCEEDINGS December 06, 2023 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

9957:16 9961:10,21,22 10003:21,22,28 10004:7,13, 18,28 10006:22 10007:3,17, 21,24 10008:3,5,6,9,15 10009:5,14,20,22 10010:5,9, 22,28 10011:3,4,7 10012:20 10018:4

classified 9879:11

clean 9948:24 9983:26

clear 9813:23 9847:3,25 9849:14 9907:23 9908:20 9910:1 9912:23 9966:16 9986:16 9992:9,11,17 10008:12

cleared 9862:5 9987:13

clearer 9881:10 9909:15

clearings 9862:8

Cleveland 9983:10 9994:6

cliff 9856:23

close 9807:22 9885:23 9901:25 9908:17 9913:14 9916:5 9924:14 9959:6 9968:19 9974:17 9980:16 9982:26

closely 9815:17 9949:25

closer 9803:18 9816:25 9962:8,10 9977:17 9978:21

closest 9945:15 9949:26 9987:18

closing 9862:10

cloth 9944:27

CME 9892:23 9921:20

co-op 9941:21 9942:4 9958:25 9968:25 9969:2,15 9981:15 9997:8 10001:28 10002:5,15 10003:18 10007:1 10014:7,16 10015:1,3,26 10016:8,10,12, 13 10018:17,22

co-op's 10014:27

co-ops 9936:6 9939:10,14 9961:12 9968:4 9969:7,16 9986:20 9987:1,24 9988:26 10015:2 10018:18,26

coal 9947:6 9977:19

Coast 9994:11

code 9865:9 9947:18

cold 9892:21 9931:8

colleague 10019:27

colleagues 9793:16

collection 9815:8 9860:27

collectively 9815:22

collects 10018:22

college 9944:19 10001:20

color 9830:22 9865:9 9882:23 9977:5

colored 9882:20

Columbia 9784:12

Columbus 9937:5 9941:11 9962:9,10 9975:1

column 9830:7,10,11,16,20, 27 9831:8,12,16,22 9836:14 9953:28 9992:14

columns 9837:18 9907:14 9956:2 9992:14

coma 9975:13

combination 9785:8 9792:24 9805:27 9833:28 9849:26 9910:22

combinations 9859:3

combined 9800:24 9953:20

comfortable 9868:28 9892:5 9893:22 9931:3

comment 10005:3

comments 9911:14 10021:1, 2

commission 9986:24,25

committee 9785:10 9799:28

committees 9785:1 9790:21

commodities 9840:15

commodity 10010:6

common 9841:8

10009:6

communicated 9782:9

communication 9962:2

communities 9941:22 9946:11 9947:9 9948:22

community 9949:10 9977:19 9980:13

company 9785:23 9933:25 9935:11 9936:16 9937:18 9939:22 9942:7 9956:21 9988:23

comparatively 9949:2

compare 9845:8

compared 9830:16 9844:19 9858:18 9940:21

comparison 9795:7 9796:3 9945:24 9949:8

compete 9940:5 9941:10,12 9946:9 9953:24 9954:13,25 9972:16,28 9973:2,15 9982:18,22,23 9983:20 9984:10,11,12 9989:15 9993:3,15 10008:1

competed 9939:14 9941:4

competes 9941:15 9992:28

competing 9972:14 9983:21 9992:27

competition 9916:28 9917:19,22 9977:24 10020:19

competitive 9917:9 9948:19 9959:6 9981:20

competitor 9916:23 9917:2, 7 9940:21 9982:20

competitors 9940:26 9942:4 9951:17 9956:9,20 9958:24, 28 9983:16,21 9992:1 9995:13

competitors' 9942:23

compiling 9922:20

complete 9845:6 9883:7

completed 9787:9 9788:7 9823:6 9882:6,7 9937:25

completely 9848:16 9855:19 9891:8 9911:2,5 9940:24 9990:13

completeness 9836:9

completion 9783:5

complexity 9864:3

complicated 9874:12

complication 9792:28

component 9801:11,16 9803:4 9806:18 9825:20,25 9832:16 9908:18 9923:7 10004:26

components 9787:11 9850:13 9852:11

computations 9992:25

compute 9824:3,8

computed 9824:2

con 9785:13

concede 9834:25 concern 9935:1,8

consistency 9859:21 9866:15



concerned 9860:22 9947:14 10002:24 10007:23

conclude 9796:8 9814:3 9836:26

concluded 9814:11 9815:22 9917:8 10023:9

concludes 9917:6 9962:28

conclusion 9812:21 9814:17 9819:4 9867:9 9880:4 9890:26 9913:9 9917:23

conclusions 9789:21 9815:13 9867:3 9918:3

conditioning 9873:1

conditions 9886:26 9912:1

conducted 9809:7 9821:8

conducting 9819:19

cone 9980:19

conference 10012:27

confidence 9903:1,3,13,18 9926:27 9950:17

confident 9819:15 confidential 9989:3

confirmed 9954:16

conform 9937:23

confuse 9900:13

confused 9948:5

confusion 9954:3

Congress 9786:11 9810:28

9811:3 9812:22 9817:20

9818:2 9841:8 9923:8

Congressional 9784:28

9791:27 9810:17 9812:17

9927:18 10009:18

9817:19 9819:2

connected 9949:28

connection 9848:23

consequences 9944:12

considerably 9975:22

consideration 9842:26

9950:8,23 10011:12

considered 9871:6,10

9896:19 9981:19

9862:26 9863:3 9864:6

9865:21 9867:15 9868:4

9875:11 9881:17

cons 9793:12

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

consistent 9807:5 9869:5 9908:28 9916:10 9926:13

consistently 9947:5

consolidating 10004:3

consolidation 9970:8

constant 9859:19

constituents 9935:9

constraints 9863:21

construct 9922:25

constructing 9893:11,18

consult 9843:2

consulted 9841:24

consulting 9785:23

consume 9949:6

- **consumer** 9840:27 9851:21, 26 9860:15 9861:20 9873:12,15 9939:5 9943:4, 10
- **consumers** 9813:12 9818:17 9855:5,8 9935:7 9936:27 9937:4 9938:28 9939:12 9947:21 9949:4 9967:18
- consumption 9817:2,9 9855:27,28 9856:1 9861:23 9862:1 9868:22 9943:3

contact 9998:10

contacted 9999:23

contained 9884:12

contemplation 9917:18

contents 9789:25

- context 9848:22 9884:2 9922:20 9978:15
- continue 9812:11 9813:14 9825:10 9894:22 9901:11 9906:8 9938:25 9947:22 9962:24
- continued 9813:17 9862:1 9896:5 9899:4 9900:14 9945:2

continues 9804:11

continuing 9948:9,10

contract 9968:14,15 10006:28

contracts 9936:19 9946:9 9959:7,9 9968:20 9974:23

contrary 9939:2

Contribution 9791:23 convenience 9934:27

conversation 9843:11,18 9959:12 9971:4

conversations 9918:13 9924:17

Conversely 9831:28 9832:8

conversion 9955:27 9956:1, 3

convinced 9899:26

cooperative 9936:24 9941:4 9945:25 9949:28 9950:11,20 9957:28 9958:22 9986:27 10001:27 10014:7,9,21 10015:6

cooperatives 9957:21,24

copied 9829:20 9830:6

copies 9789:6,7,9 9823:5 9828:26 9963:24 10020:2,10 10021:7,13,20 10022:27

copy 9808:23 9821:1 9822:19 9864:9,14,15,23 9882:14,15,16,20,21,22,26, 27 9883:7 9937:23 9938:9 9963:15,28 9964:14

corn 9846:21,23 9870:21 9902:19

corner 9794:24

correct 9783:18 9787:16 9789:2,28 9790:22,23 9809:1 9811:1,5,17 9812:20 9813:1,26 9814:6 9815:12, 19 9816:5 9817:7 9819:3,7, 14 9820:3 9821:13.14 9822:14,17 9826:13,14,19, 20,23,26,27 9827:1,2 9828:16,19 9829:16,17 9830.4 9833.27.28 9836.18 9838:13 9839:1,2,6,7,10,11, 14,15 9840:7,12,17,22,24, 25,28 9841:1,6,7,15,27 9842:3,11,28 9843:1 9844:14,21,27,28 9845:12, 13.17 9846:9 9848:6.14 9852:1 9853:21 9854:3,4 9856:7 9857:4,5,26,27 9858:10 9860:7,28 9861:1 9862:27 9864:27.28 9865:15,22,23 9866:5,6,11, 12,18,19,24,25,28 9867:6, 13,14 9868:14,15,20 9869:2, 4,7,11 9871:23 9874:17,18 9875:6,7,19 9878:15 9879:6, 9,10 9880:22,23 9882:8,22, 26,27 9884:17 9888:13 9889:16,23 9892:7,11 9894:13 9907:27 9908:24

9909:6,8 9915:22 9916:25 9918:2 9920:5 9923:15.18. 24 9924:6,27 9928:18 9929:1,14,24 9930:6,16 9932:27,28 9933:2,6,7,9,10 9935:23,26,27 9939:28 9940:11 9951:20,28 9952:1, 4,7,8,9,14,27,28 9953:4,17, 21 9954:13,17,18,19,20,22, 28 9955:1,12,13,16,19,22, 23,24,27,28 9956:6,7,28 9957:3,4,10,11,13,18,19,21 9959:15,16 9961:26 9966:17 9967:10,12,14 9971:7 9979:21,22 9981:28 9987:16 9988:20 9990:27 9997:15, 17,19,23 10001:4 10005:28 10006:24,25 10007:4,21 10017:11

corrected 9789:2 9827:16 9828:6

correction 9851:26

correlated 9873:27 9896:27 9897:3,4

correlation 9873:22,24 9874:1

corresponds 9896:12

corridor 9945:18 9974:3

corrugated 9935:13

cost 9791:28 9792:9,21 9800:3,6,10,18,19 9849:17, 22 9850:19,27 9851:11 9852:20 9853:23 9854:12 9855:12,15 9867:16 9919:15 9920:11,14 9936:20 9941:24 9949:2 9950:27 9958:11,18 9978:12 9989:2 10004:3 10017:21

costly 9957:12 10010:16

costs 9850:25 9851:13,18, 24 9852:1,3,9,10,26 9853:2 9854:19 9855:1,6 9872:21 9898:21 9902:21 9938:26 9940:20 9941:28 9950:20 9958:21 9974:20,24 9975:17,18 9977:27 9978:9, 17,20,22,27 9981:1 9989:21 10003:16 10004:11,12 10008:21,23 10015:10 10017:15,21,23

could've 9978:3

counsel 9822:27

counsel's 9861:13

count 9980:20 10000:5

counties 9922:7 9949:15,22 9977:20 country 9793:17 9845:24 9864:1 9865:22 9866:3 9883:19 9888:10 9935:16 9940:24 9950:2 9967:10,18, 19 9975:25 10004:4 10011:23,27 10012:8

countrywide 9961:20

county 9910:10,15 9944:23 9952:14,21 9954:12,13 9977:5,6 9980:10 10001:17, 18,21 10002:2

county-by-county 9910:17 9944:14

couple 9801:24 9808:17 9827:10 9835:3 9845:7 9887:16 9899:12 9911:21 9915:10 9922:4 9927:26 9930:20 9954:9,10 9963:27 9969:9 9996:3,9 10005:17 10016:16

court 9782:2 9783:11,17,19, 22,25 9786:18 9788:15,22, 26 9789:4,10,12,16 9794:4,8 9800:27 9808:21 9820:12,16 9821:4 9822:26 9823:3 9824:5 9827:7.21.24 9828:4. 7.14.20.27 9829:4 9832:1 9837:10,15,23 9838:2,14,20, 22 9839:17,21 9854:5 9857:11.15 9860:1 9861:3 9864:13,18,21 9868:9 9869:20 9876:1 9881:27 9882:10,16,23,28 9883:6 9887:8 9894:12 9895:4 9896:2 9916:17 9920:1,25 9921:7,28 9925:11,17,26 9926:3,11,22 9927:3,13 9928:1,9,15,18 9929:1,12, 14,24 9930:5,16,24,28 9931:10.16.19.23.28 9932:10 9933:11 9934:8,12 9935:22,25,28 9937:22 9938:5.8.13 9939:25 9940:8. 12 9943:18,22 9944:2 9946:3,20 9949:19 9951:24 9953:8,10 9963:4,25 9964:11 9965:2,11,17,23 9966:1,9,18,23 9967:11 9970:11,14,28 9971:1 9972:2 9973:19,22 9979:5 9983:24 9984:3.6.16 9994:1. 3 9996:17,24 9998:4,18,21, 23 9999:7,11,16,27 10000:2, 8,13,17 10001:6,10 10004:15 10006:6,13 10011:19 10013:20 10019:6, 15 10020:1,5,9,15,17,22,24 10021:15,23,28 10022:3,6, 13,16,19,22,26

cover 9799:22 9840:20 9856:3 9950:27 9977:26 9978:11,17,19,20 9998:14



NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

covered 9812:18 9974:21 9984:20

covering 9969:26

covers 9840:14

COVID 9860:14,20,23 9898:10 9912:20

cow 9793:22,27 9794:2,13, 22 9795:6 9858:13 9889:2,3, 12 9890:23

cows 9792:14 9794:8,17 9858:21 9890:8,23 9944:26 9962:23 9976:7,9 9979:23, 27 10001:19 10002:12 10005:19 10017:23

CPI 9851:17

crayons 9977:4

cream 9934:22 9980:19

Creamery 9782:20 10019:23

create 9848:4 9860:6 9912:18 9947:18 9949:9 9980:23 10009:5

- created 9843:9 9929:19 9946:27 9947:3
- creates 9803:12 9839:4 9911:12 9949:10
- creating 9798:15 9834:22 10002:25 10008:7

credible 9814:3

credit 9991:7

- credits 10005:3 10008:4 10017:27
- critical 9805:24 9878:20 9903:12 9915:17

critically 9796:9 9819:12

critique 9798:10

Crooked 9932:24

crop 10018:11,12,13,14

cross 9861:15 9963:7

cross-elasticities 9868:8, 19,21,26

cross-elasticity 9817:17

cross-examination 9820:6, 9,11,18,20 9861:6,14 9869:20,22 9881:27 9883:13 9892:1 9916:18 9921:1 9926:10 9930:23 9963:4 9966:21,25 9979:5,9 10006:13,15 10014:1

cross-examine 9861:4

cross-examiners 9915:2 cross-price 9868:12 9873:10

crystal 9912:23

culminated 9842:20

cultured 9934:22

cumulative 9799:3,7 9804:1 9806:2 9897:14

curious 9858:5 9908:11 9909:2

current 9794:26 9795:22 9798:3 9804:11 9812:13,25 9816:23 9819:17 9823:19 9825:2 9847:16 9848:7 9860:11 9865:4,11,14 9872:1 9876:3 9889:21 9899:7 9905:10 9907:2,4 9924:2,14 9929:19 9936:15, 16,20,21 9937:2 9939:6 9943:14 9945:27 9953:28 9954:1 9989:1 9990:28

curve 9799:6

curves 9900:9

customer 9937:10 9939:20 9942:1 9957:9 9958:22,27 9959:4 9986:18 9988:15,17

customers 9936:18 9937:3 9956:5 9958:12 9959:28 9989:1,8 9994:13

cut 9905:9 9923:3 9938:22 9944:27

D

cutoff 9860:26

cutting 9860:18

D.C. 9977:19

dad 9956:13

dairies 9944:28 9945:5 10017:16,20

dairy 9782:12,13,18,19 9783:4 9784:25 9785:6,7 9786:16,21 9790:8,14,17 9791:24 9792:3 9793:1,2,3, 22 9794:12,17 9795:4,5,22 9798:20 9799:19 9802:16,19 9803:14 9807:16 9809:4,5 9810:14,23 9811:22 9812:8, 10 9814:4,5,12 9815:18,23 9816:11 9817:22 9818:6,8, 18,24 9819:17 9820:23 9829:21,23 9837:25 9840:15,27 9841:18 9846:20 9853:4,24 9856:10 9858:27

9859:7 9863:10,25 9867:4 9869:26,27 9870:21 9875:20 9883:18 9884:13 9887:5,6, 12,18,22,24 9888:7 9889:28 9890:11 9892:28 9894:17,23 9900:6 9901:8 9916:20 9919:11 9927:24,25 9929:28 9932:26,27 9933:8,20 9934:25 9938:15 9939:18 9941:20 9942:9,25 9943:27 9944:8,10,17,21,25 9945:5, 8,9,10,14,22 9946:7,13,15, 23 9947:16,21,22,26 9948:12 9949:5,9 9950:24 9951:3 9957:9 9962:28 9967:7,27 9968:8,12,13,22 9969:2,10,14,22 9970:8 9974:28 9975:21,26,28 9976.8.12.20 9977.2.12 9980:4,13,20 9993:13 9998:26,28 9999:21,22,26 10001:16.19.20 10002:19 10004:10,21,23 10005:9 10008:26,28 10009:1 10013:18 10016:18,23 10017:18,24,26 10018:6,12, 13

Dairy's 9940:18,20,23 9943:10

Dairy-0001 9963:10 10019:12

Dairy-001 9928:16 9999:5 10006:8

Dairy-002 9928:23

Dairy-003 9929:5

Dairy-1 9966:2

Dairy-2 9966:2

Dairy-3 9966:3

Dairy-4 9966:3

dairying 9950:17

Dan 9869:26

data 9788:9 9797:9 9799:21, 22 9808:5 9814:26,28 9816:9,16,21 9817:1,8 9818:14,20,23 9829:25 9832:21,25,28 9834:18,20 9835:19,24 9836:12,13,21, 22 9837:5,11 9860:5,23,27 9864:2 9870:15,17,18,27 9871:4,6,26,27 9872:1,16,17 9874:11 9875:4,23 9876:3,5, 10,18 9877:5,6,10,25 9878:8 9885:2 9886:23,26 9892:4 9899:6 9903:8 9924:28 9925:1

dataset 9816:2,7

date 9860:26 9935:14

day 9782:4 9791:7 9798:2 9859:9 9893:24 9898:12,23 9912:13 9951:27 9976:1 9980:1 9997:28

December 06, 2023

days 9885:17

DCMA 10005:6

deadline 9797:3

deal 9824:20 9828:23 9839:17 9901:14 9960:14 9968:3 10010:17 10018:22

dealing 9875:28 9958:5 9968:3 10002:26

Dean 9939:15

Deans 10002:9

death 9939:21

debate 9785:1 9790:15,17, 19

debated 9790:18

decades 9793:9 9809:15 9813:16 9920:16

December 9782:1,3 9845:27 9847:21 9896:1 9922:27

decent 9985:26

decide 9787:21 9842:17 9873:3 9961:21 10005:10

decided 9897:26

decides 9888:8

deciduously 9951:22

decision 9791:4 9808:28 9842:14 9850:28 9852:18 9884:12 9913:23 9927:5 9935:11 10011:1

decision-making 9883:27 9941:13

decisions 9818:5 9867:16 9914:16

decline 9802:10 9853:14 9858:23 9862:1 9880:1 9943:5 9945:2 9953:18,19

declined 10003:28

declining 9858:3 9880:7 9943:11

decrease 9879:16 9936:11 9960:20,21 9971:19

decreased 9836:17 10003:28

decreases 9955:11



NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

decreasing 9935:2 9991:23

deduct 9851:6

deep 9870:9 9877:12

deeply 9947:13

defer 9927:4

deficit 10018:20

define 9883:28 9884:9 9888:19 9905:19 9992:10

defined 9957:6 10009:20

definition 9823:25 9866:20 9870:15 9957:3 9959:19

deflators 9870:25

degree 9784:20,22

degrees 9899:21

delayed 9914:2,8

delaying 9914:4

delicious 9947:22

deliver 9947:6 9977:13,27 9978:13,19 9995:21

delivered 9788:5 9885:13 9918:17 9997:25

delivering 9875:9 9877:18

delivery 9923:8

demand 9792:22 9795:11, 13,16,25 9798:27 9818:26 9855:23,25,26 9859:17 9861:20 9862:13 9863:25,27 9864:7 9870:24 9873:9,16 9879:15 9885:27 9886:23 9893:1,2 9899:17 9900:7,9, 11 9915:14

demographically 9943:10

denomination 9935:23

dense 9794:5

density 9799:3 9804:1 9806:2 9897:14,15

dental 9950:6

Department 9824:12,16 9911:19

depend 9796:9 9825:21 9850:16 9887:19 9922:12

dependent 9819:12

depending 9797:9 9849:28 9906:9 9968:3

depends 9805:12 9847:13 9854:23 9856:1 9858:12 9971:17 9985:25 9988:7 depooling 9867:21,27

depot 9982:3,4,26 9985:6

depots 9934:14 9981:27 9983:1,5 9985:5

describe 9849:27 9861:28 9872:10,15 9896:20 9905:11 9970:2,16

describes 9827:28

description 9871:2 9884:11

deserts 9947:11 9981:8

deserves 9926:9

design 9874:23 9949:27

designs 9948:27

desirable 9849:3

destroy 9809:4

detail 9793:2 9863:1 9888:4 9996:12

detailed 9984:25

details 9894:10

determination 9856:18 9921:13

determine 9814:21 9817:12 9863:12 9926:25 10003:15

determined 9913:3

deterministic 9797:24 9798:20,25 9799:2 9800:2,7 9846:12,13 9847:15,21,22 9872:12,14 9896:14,17,21 9898:18,24 9902:7 9923:4 9924:11

deterministically 9805:18 9898:26

Detroit 9983:11

develop 9822:9

developed 9791:25 9897:26

developing 9842:1 9859:1 9874:4

development 9860:8 9863:24 9870:16 9922:24 9948:12 9979:26

deviate 9961:24

deviates 9955:15

deviation 9936:22 9953:13, 16

deviations 9798:26

devise 9874:6

devises 9876:27

Dew 9950:4

DFA 9941:8,17 9945:21,25 9946:1 9958:5 9962:8 9969:8 9980:3 9986:27 10002:13

dies 9970:11

difference 9797:13 9813:21 9826:6 9830:20,21 9834:22 9836:28 9865:4,10 9887:5 9896:16 9904:1 9905:11 9906:13 9907:18 9908:8 9945:17 9956:8 10010:8

differences 9809:13 9834:1 9864:1,7 9905:16,21 9913:25 9990:22

differential 9801:19 9822:1 9866:3,23 9874:25 9879:28 9909:4,11 9910:14 9935:20, 21 9936:15 9941:7 9945:11, 24,27 9946:6 9947:15,17 9950:26 9952:6,26 9953:3, 28 9977:26 9978:16 9989:16 9990:3,14 9991:1,11 10006:22 10008:3,7,9,15 10009:14,20,22 10011:7 10018:4

differentials 9787:13 9807:2,7,21 9808:4 9821:20, 22 9865:6,22 9866:11,14,18 9867:5 9874:22 9877:27 9878:18 9880:8,11 9908:26 9909:16,23 9910:9 9922:15 9935:18 9936:17 9937:2,12 9940:22 9943:15 9944:15 9950:9,12 9951:6 9954:1 9957:16 9961:10,14,19 9971:18 9976:25 9989:16 10004:13,18 10007:17 10008:6 10009:5 10012:20

differently 9834:27 9836:7 9856:2 9906:23 9915:23 10004:22 10017:14

difficult 9794:9 9797:21 9935:4 9997:8 10018:7

difficulty 9920:13 9990:7 9997:24,27

dig 9851:23

digits 9938:20

dilute 10008:17

dilutes 10004:20 10009:16

dime 9959:23,24

diminution 9855:9

dinner 9938:18

TALTY COURT REPORTERS, INC.

direct 9784:4 9790:23 9791:5 9811:6 9816:28

taltys.com - 408.244.1900 Index: decreasing..distribute

9861:13 9911:22 9930:22 9932:12 9951:12 9962:28 9984:20 10000:20

December 06, 2023

directed 9788:2

direction 9865:12 9894:1,4, 5 9905:23 10012:2

directly 9983:20 9984:10,21 9993:4 9995:1,4 10010:20 10015:8

director 9970:5

disadvantage 9947:16

disagree 9894:3 9926:22

disappear 9991:19

disassociate 9867:17

disclose 9822:6

discontinuance 9829:14

discontinue 9801:10 9823:14 9825:16 9950:17

discrepancy 9832:27

discuss 9868:7 9899:13

discussed 9782:13 9915:1 9919:10 9927:22

discussing 9829:13

discussion 9789:11 9809:26,27 9829:1,14 9833:12 9839:20 9843:11 9864:20 9897:24 9904:3,20 9905:15 9907:10 9908:10 9911:24 9913:6 9916:8 9920:13,15 9922:5 9928:8 9999:15 10022:25

disease 9948:7

disregard 9925:1

disrespect 9977:3

dissipate 9867:11

dissipating 9867:3

distances 10004:2

distant 10009:16

Distinguished 9791:22

distinguishes 9893:19

10021:14 10022:6

distribute 9828:26 9934:21

9977:27

distance 9945:15 9950:27

disruptions 9936:25

disentangled 9848:16

disparity 9940:17 9990:25

| distributed 9800:16,17,20 | drain 9961:6 | | education 9784:17 10017:8 |
|--|---|---|--|
| 9839:18 9897:20 9898:22 9908:15,16 9928:6 10019:24 | Drastically 9937:12 | E | educational 9949:12 |
| 10022:23 distributing 9999:13 10020:10 distribution 9799:1,6 9800:9 9803:23 9804:25,27 9826:4, | draw 9814:17 9815:13 9824:25 9872:18,21 9873:1, 3,7,15,18,21,25,26 9890:26 9896:26 9897:2 9903:4,7,10 9994:6 drawing 9873:23,28 9903:9 | Eagleton 9791:13 earlier 9792:4 9813:19 9882:19 9950:28 9955:9 9999:2 early 9782:27 9790:11 | effect 9808:5 9826:2 9834:15,16,24 9835:14,21 9836:2,22,25 9851:8 9854:17 9889:9 9916:24 9922:10 9971:24 10011:23 26,28 10012:3,7 |
| 16 9836:27 9872:17,21,22, 26 9873:2,7 9874:9,16 | drawn 9877:9 | 9791:14,20 9796:24 9797:16 9805:21 9822:2,13 9860:18 | effectiveness 9811:2 |
| 9896:24 9903:11 9906:10 9907:26 9948:13 9955:4,8 9982:4,11,12 | draws 9837:8 9874:2 9896:27 | 9914:27 9917:26 9923:2,9 9933:24,25 9999:23 10002:3 10005:2 | effects 9801:26,28 9802:17 24 9818:25 9825:20 9860:3 9873:28 9891:21 9914:23 |
| distributions 9800:11 9906:17 | drew 9981:2 | earmark 9791:15 | efficiency 9890:1 |
| distributor 9994:18,21 | drinkers 9947:24 | earmarked 10017:3 | efforts 9853:16 |
| 9996:7 | drinks 9934:22 9948:6 | earmarks 9791:16 | elaborate 9886:11 9887:14 |
| District 9937:6 | drive 9852:17 9870:28 9885:12,25 9891:9 9925:6 | easier 9846:26 9908:4 10018:12 | elastic 9794:10 9812:25 9813:21 9815:23 9818:16 |
| litch 9975:11 | 9935:3 9941:25 9947:12 | easiest 9827:24 9988:21 | 9915:11 9960:24 |
| diversion 10012:10 divided 9911:12 | driven 9792:20 9858:15 9873:10 9916:3 | east 9937:6 9982:22 9983:12 9986:5 9989:25 | elasticities 9792:16 9793: 9794:21,22 9795:2,11,20 9796:2,10 9810:23 9811:1 |
| lock 9982:7 | driver 9878:16 10013:15 | 9994:11,19,20 | 19 9813:4,16,25 9814:1,9, |
| Doctor 9931:26 | drivers 9850:24 9853:23,27 10013:17 | east/west 9997:15 | 9815:3,7,10 9816:13,18 9817:24 9818:16,17 |
| loctorate 9783:19 | drives 9803:13 9807:14 9853:22 9856:16 9870:24 | eastern 9930:12 9934:18 9937:6 9948:19 9977:16 | 9819:10,12,15,19 9858:24 9859:1,7,23 9860:6,15 |
| locument 9822:23,25 9823:18 9825:1 9827:3,5,8 9829:12 9838:10,16,19 9839:18,23 9840:2,7,9,11, | 9885:7 driving 9996:6 10012:26 | easy 9872:20 9904:4 9946:18 9959:7 eat 9938:17 | 9868:8,12 9888:17 9889:1 9915:23,28 9916:3,11,24 9917:15 |
| 16,18,22 9843:21 9844:18 9845:19 9846:20 9847:4,18 9864:27 9926:17 9931:5 10022:1 | drop 9869:6 9879:21 9938:25 9960:14,16,18 9996:7 | echo 10014:23 econometric 9785:6,8 | elasticity 9794:14,15,19 9795:6,8,18 9796:5,6 9811:22 9812:21,23 9815: 15,18 9819:4,17,22,25 |
| locumentation 9790:12 | dropped 9866:27 | econometrics 9786:17,22 | 9858:26 9860:27 9888:20, |
| 9795:4,10 9796:4 | dropping 9858:18 9951:24 drove 10013:3 | economic 9790:12 9795:3, 10 9850:2,24 9873:11 | 25,28 9889:7 9891:27 9915:2,5,24 9959:17,19 |
| locuments 9829:24 9846:28 9927:27 10022:8 | drowned 9975:11 | 9884:8 9891:14,18 9896:26 9916:6 9948:12 9949:10 | electricity 9939:7 |
| lollar 9935:22 9947:8 | drugs 9948:6 | 9959:13 9979:25 10011:25 | electronic 9789:1 |
| lomestic 9870:24 9887:5 | dry 9795:14 9801:7,8 9862:5 | 10012:1 | electronically 10021:6 |
| loor 9791:1 | 9872:20,24 9886:1 9921:6, 10,13 | economically 9942:3 economics 9783:21 9784:23 | elementary 9886:17 9977: |
| 9995 :18 | dub 9846:2 9900:3 | 9786:16,21 9791:22 9850:16 | eliminate 9825:6 eliminating 9823:10 9825: |
| lots 9901:24 9934:15 9981:27 | duly 9784:2 9932:5,8 | 9852:27 9853:18,20 9856:17 9889:4 9900:27 10002:28 10012:18 | 9826:19 9833:5 9836:15 |
| ouble 9921:14 9938:20 | 10000:15 dumped 10003:19 | economist 9847:14 9900:20 | elimination 9836:26 |
| louble-log 9796:1 9861:22 | Durham 9994:12 | 9920:10 9977:1 | else's 9989:17 |
| own-and-dirty 9893:14 | DVM 9930:2 9931:24 9932:7 | economists 9793:17 9798:9 | embraces 9950:3 |
| lownhill 10002:14 | dynamic 9792:23 9879:13, | 9846:1 9883:18 9886:28 9900:10 9911:18 9915:19 | emergence 9916:22 employed 9785:16,17,19 |
| lownplay 9900:4 | 15 9889:15 | 9919:5 9922:28 9977:3 9996:18 | employees 9939:20 9956: |
| lownstream 9881:22 | | economy 9845:23 | 9959:8 9962:17 |
| downward 9853:3 9961:1 | | educate 9785:13 10003:9 | employer 9785:18,28 |



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900 Index: distributed..employer

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

employment 9785:21 9847:28

encourage 9888:9 9949:6

end 9791:7 9798:1 9800:20 9802:26 9803:28 9806:11,26 9807:20 9808:12 9831:21 9842:9 9851:16 9859:9 9862:14,18,20 9866:24 9890:10 9893:23 9898:12 9901:3,16 9912:12 9937:28 9942:6 9951:14 9957:9 10002:25

endeavor 9957:13

- ended 9842:1 9923:28 9924:4
- endogenous 9870:28 9871:8,9,13,14,18 9896:22 9911:11,12
- ends 9802:14 9806:11 9902:17
- energy 9854:1,2,8,12,17 9855:1,6 9948:25 10004:11

English 9782:7 9783:6 9861:5,7,9 9864:9,17,22,24, 25 9868:10,11 9869:18 9886:9 9894:14.15.22 9927:19,20,21 9928:4,11,13, 16,19,23 9929:2,5,13,17,27 9930:7,19,27 9932:10,11,13 9933:13,14,15 9939:24,28 9940:8,10 9942:16 9943:18 9944:3.4 9949:18 9951:10. 25 9953:9.12.15 9962:27 9966:20,22 9989:11 9993:28 9996:25,26 9997:2 9998:3,8, 22,23 9999:18,19 10000:1, 19,21 10001:1,8,11 10005:16 10006:3 10019:20 10020:3,6,9,12,16,28

ensures 9936:12

enter 9802:17 9850:21.22

entered 9796:14 9842:22

enticing 9937:20

entire 9818:24 9834:9,14 9855:4 9857:26 9899:2 9918:21 9949:1,9 9950:24 9951:23

entities 9969:4

entity 9837:27 9856:5

entry 9829:26 9857:21

envy 10003:2

equal 9855:6 9872:25 9874:15 9936:23 9947:20 equally 9898:21 9912:8

equate 9870:4 9880:25 9907:28

- equation 9792:17 9850:6,15, 21,22 9861:25 9868:22 9886:5
- equations 9792:11,12 9793:23 9794:13,18 9795:16,27,28 9849:23 9850:24 9851:14 9853:17 9854:15,26 9856:15 9873:4, 5,6,16 9884:14,17 9885:28 9887:18 9889:2 9919:19
- equidistance 9974:3
- equilibrium 9792:23 9855:1, 5 9891:7,9,25 9909:26
- equitable 9951:7 9976:26,28 9977:7,22
- equity 9984:26 9992:27
- equivalent 9986:19,23 9987:4

era 9944:27

Erba's 9941:14

Erin 9891:2

9895:1

error 9873:3,7,14,15 9874:1

errors 9873:6 9893:1 9897:3

essential 9826:7 9837:1

essentially 9875:28

estimate 9792:25 9795:27 9798:21 9800:9 9813:28 9815:2,6 9816:17 9859:19 9861:22 9872:12 9877:24 9885:4,13 9892:6 9896:18, 19,24 9897:9 9903:24

estimated 9792:12 9796:1 9843:23 9861:26 9887:4,17 9899:18

estimates 9810:22 9811:21 9815:15 9852:4 9858:26

estimating 9793:22,26,27 9816:13 9817:24 9859:17 9869:12 9899:14

estimation 9795:24,28 9810:25 9811:6,13,21 9816:25 9859:12 9860:4,9, 12,17 9869:3 9873:5 9899:20

estimations 9811:14 9813:27 9859:4 9860:28

evaluate 9811:3,19 9814:21

evaluating 9814:9 9815:10 9818:5

evening 10019:24 10021:22

event 9827:19 9828:11 9842:19 9847:25 9869:1 10001:12

events 9873:18 9900:3,13

eventually 9798:16 9855:21, 23 9943:7

ever-increasing 9951:5

everybody's 9962:1,7 10015:18

everyone's 9900:20 9992:11 9998:20

evidence 9865:2 9883:22 9904:26 9925:12,14,16,18, 21,23,28 9926:4,14 9927:6, 8,10,12 9963:9 9965:6,8,10, 12,14,16,18,20,22,24,26,28 9966:5,8,10,13,15,18 9979:14 10006:7,10,12 10019:9,11,16

evolution 9793:10 9859:20 9869:8,10

evolved 9937:18

ex- 9871:9

exacerbating 9943:5

exact 9805:12 9826:5 9836:28 9876:21

exam 9869:15 9870:2

examination 9784:4 9832:3 9896:5 9922:2 9932:12 9962:28 9997:1 10000:20

examine 9902:27

examined 9784:2 9932:5,8 10000:15

examples 9954:9,10 9962:5

exceed 9868:1

Excel 9792:24 9838:6 9929:18

excellent 9789:4 9828:21 9928:15 9967:13

exception 9841:15 9987:12

exceptions 9841:13 9995:19

excess 9923:28

excessively 9894:19

exchange 9870:26 9887:20

excited 9921:8

December 06, 2023

exclusive 9968:9,20

exclusively 9825:10 9951:27 9968:13,16

excuse 9819:11 9834:11 9992:14

exhibit 9788:13,14,16,19 9789:13,14,19,24 9801:2 9808:22 9819:9 9821:3 9822:20,21 9823:5,13,21 9824:26 9827:6,9,20 9828:16,19,22,24 9829:2,6, 7,9 9834:7,8 9835:20 9836:1,10 9837:12 9839:24, 26 9841:6 9843:9 9844:3,10, 12,17,25 9845:10,11,19 9846:7,11 9847:4,10 9857:20,28 9858:25 9863:23 9864:10,16,17,23 9866:9 9868:13 9870:12 9882:4 9884:7 9888:15 9896:13 9922:17 9923:10,21 9924:5 9925:12,13,15,18,19,20,22, 28 9926:1,4 9927:5,7,9,11 9928:3,17,21,24 9929:3,15, 18,25 9930:2,3,8,9,14,17 9931:24 9932:22 9934:7 9935:26 9939:24,27 9940:10,14,16 9946:19,21, 24 9954:5 9955:2,12,26 9963:9,22 9964:15,19,20,22, 24,25,28 9965:6,7,9,12,13, 15,18,19,21,24,25,27 9966:5,7,12,14,17,18 9971:27 9981:26 9982:13 9985:4 9992:7 9999:6,7,9 10001:15 10006:4,7,9,11 10019:11 10020:13 10022:12,13,14,16,17,20 10023:2,3

exhibits 9786:28 9789:6 9884:4 9925:10 9928:11 9963:2,5,17 9965:3 9966:1 10019:9

exist 9875:13 9877:17 9878:13

existed 9803:27

existence 9863:3,14,15

exists 9793:2 9844:7 9899:27

exit 9890:4

exits 9974:8

exogenous 9870:15,17,23 9871:2,4,6,10,19 9872:16, 17,18 9873:2,18 9903:8

exogenously 9873:23

expand 9891:13 9910:11,26 9913:5 9991:15



NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

expanded 9945:12 9947:17

- expect 9783:1 9897:27 9914:12 9922:13 9927:6 9936:18 10007:3
- expectation 9846:22
- expected 9791:28 9792:9 9914:9
- expenditures 9812:10
- expense 9939:12
- **experience** 9819:18 9912:4 9914:7 9939:4 9958:3,4,13 9959:27 10009:14 10018:15
- experienced 9902:16
- experiencing 9942:5
- expert 9786:15,20 9798:14 9893:10 9960:24
- **experts** 9815:4 9893:14 9959:13
- explain 9825:2 9829:11 9859:14 9879:12 9889:20 9926:18 9929:2,11,13,20 9982:2 9983:9 9984:17 9986:15 9988:22 9993:8 10008:12
- explained 9998:8
- explanation 9832:27 9858:5 9874:3 9880:14 9898:19
- explicitly 9833:8 9878:7
- export 9862:20 9870:25 9887:28
- exported 9888:11
- **exports** 9887:4,6,12,18,23 9888:9
- extensively 9790:17
- extent 9853:13 9856:13 9864:5 9865:24 9866:2 9867:15 9880:24 9965:1
- extra 9782:23 9854:12 9882:21
- extreme 9905:18,19 9911:17 10008:14
- extremely 9794:5 9869:28

F

extremes 9906:8

F-E-R-R-Y 9934:11

face 9917:22 9975:11 9994:3 faced 9917:1

faces 9917:10

facilities 9890:11 9948:25

- facility 9889:28 9890:1,3,5 9900:25 9901:3 9945:26 9969:11
- fact 9796:13 9819:26 9822:7,10 9832:22 9835:19 9840:3,6 9841:8,10 9852:21 9853:9 9854:11 9855:13 9856:10 9858:1 9866:20 9901:24 9903:17 9914:9 9920:11 9928:3 9940:22

factor 9815:10

factors 9798:28 9801:17 9809:14 9849:26 9850:2,27 9872:18 9896:28 9917:25 9918:2

fade 9945:1,5

fading 9861:16

failed 9917:8

Failing 9936:25

fair 9811:16 9818:21 9835:19 9836:5,22 9841:23 9842:21 9848:5 9849:9,10 9865:17 9917:25 9923:17 9951:15 9957:28 9959:12 9971:14 9975:16,20 9976:17 10004:25 10016:19,24 10018:16

fairly 9794:2,9 9800:17 9856:24 9886:17 9891:14 9893:7 9908:15 9961:20 9977:14

Fairmont 9985:11

fall 9931:8 9936:8

familiar 9791:10 9799:5 9813:2 9814:7,10 9815:25, 27 9816:1 9827:28 9863:1 9916:7 9973:28

families 9951:3 9976:21

family 9933:23 9938:17 9944:8 9951:2 9962:18,22, 25 9976:12 9979:26

family-owned 9933:28 9936:24 9939:16

FAPRI 9790:10 9791:12,19 9795:9 9796:15,19 9797:18 9798:6 9802:4 9811:7 9812:25 9817:25 9838:24,27 9839:4,12 9840:4,11 9843:8, 20 9844:2,11,24 9845:9,19 9846:10 9847:8 9848:11,26 9849:20 9858:27 9859:3 9861:20 9863:6 9884:8 9887:21 9892:2 9893:13

FAPRI-MU 9790:8

- farm 9785:1,10 9790:15,16, 18,19 9791:8,9,28 9792:6,8, 10 9804:13 9806:13,15 9809:27 9817:4 9819:28 9855:2,4 9863:11 9864:11 9865:3 9897:25 9898:19 9911:25 9913:23 9936:26 9937:8 9938:3 9942:15 9944:8 9951:3 9957:5 9962:25 9973:26 9974:27 9975:21 9976:12,20 9977:2 9979:17 10001:19,24 10003:16
- farmer 9782:12,13,18 9853:9 9894:12 9919:13 9927:25 9942:13 9977:13 9998:26,28 9999:21 10001:16,20 10004:23 10005:9 10009:27 10013:14, 18 10016:18

farmers 9851:8 9855:16 9867:4 9894:17,23 9936:17 9941:23,24 9942:9,12,27 9944:1 9962:17 9967:27 9968:8,12,13,17,22 9969:3, 11,14 9981:5 9991:23,24 10004:10,21 10008:28 10009:1 10016:23 10018:6

farmers' 9943:8

farming 9941:22

farms 9936:4,5 9972:25 9975:22,24,26,28 9976:4 9981:20 10003:18

fashion 9881:24 9897:20

fat 9795:16 9849:24,27 9850:15 9862:4,9,11,15,17 9886:2,6

father 9933:23 9944:19,25 9975:25

Fayette 9952:21,22,23,24

February 9923:6

federal 9787:7 9791:15 9797:3 9803:1 9821:7,12 9823:20 9842:26 9861:18 9862:23,24,25 9863:3,6,16, 19,21 9867:21 9870:6 9875:3,4 9876:14,20 9878:11 9880:26 9881:15 9884:22 9885:24 9886:10, 16,20 9887:1 9901:13 9934:16 9935:17 9937:15 9940:4,6 9943:14 9944:13 9950:11 9967:3,6,24 9981:14 9985:20,25 9986:5 9989:5 9990:27,28 10002:18,24 10003:11,23 10004:9 10005:12 10009:3 10016:22,27 10018:18,21, 25,28

Federation 9786:2 9788:6 9796:13,20 9807:3 9843:12 9864:11 9865:3,5 10005:5

feed 9872:20 9889:11 9902:21 9948:13 10004:11 10008:21 10009:28

feedback 9841:20 9842:4 9847:22 9854:25

feeding 9889:14

feeds 9881:23 9884:22 9889:12

feel 9819:15,18 9848:18,20 9859:25 9873:19 9893:22 9948:1 9951:13 9974:7 9977:3.10

feeling 9976:11

feels 9962:15

felt 9868:27 9926:24 9982:20

Ferry 9932:17 9934:3,6,9 9935:20 9941:6,19 9945:10, 14,22 9952:13 9954:21 9962:9 9980:5 9985:9,12 9992:16,22 9993:13,22 9995:12

fewer 9854:21 9956:28

field 9783:19

fields 9947:6 9977:20

fight 9996:22

figure 9833:3 9834:3 9865:1 9874:17 9882:6 9905:8,12 9910:14 9912:24 9983:28 9984:27 10001:25 10016:26 10017:6

figuring 10017:5

filed 10005:3

final 9791:7,10 9798:15 9808:27 9821:28 9822:3,11, 16 9874:19 9875:27 9876:4 9878:25 9880:17 9923:3 9964:25

finally 9831:21 9930:7 10004:26 10021:11

financial 9890:3

financially 9901:2 9942:10

find 9797:19 9804:25 9818:20 9855:5 9856:28



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

Index: expanded..find

December 06, 2023

TRANSCRIPT OF PROCEEDINGS December 06, 2023 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

9861:16 9864:2 9874:9,11 9882:11 9893:15 9910:20 9915:7 9916:13 9947:23 9980:15 9991:24

finding 9868:25 9906:5 9909:25

fine 9823:3 9894:14 9895:3 9930:24 9988:1

fingerprint 9791:11

finish 9899:26,27 9918:24 9942:20 9984:4

finished 9850:5,9,20 9851:5 9852:23 9853:7 9856:5 9918:25 9923:5 9950:15 9970:12

finishing 9782:22

first-year 9808:7

five-minute 9820:12 9998:24

fix 9883:5

flat 9960:6

flat-out 9850:7

flavor 9799:17 9800:21 9898:27

flex 9782:23

flexibility 9885:20 9900:23

flexible 9783:7,9

flip 9884:3

flippant 9892:22

flow 9950:21 9951:1

fluid 9795:15,18 9796:4 9812:23 9813:13,16 9815:2 9816:12,13 9817:9 9818:26 9861:21,23,24 9862:1 9863:25,27 9864:7 9868:19, 22 9886:2 9891:27 9917:7, 22 9934:2,23 9939:5 9940:3, 5,28 9943:12 9959:14 9973:14 9985:17 9995:17 10004:9 10009:7 10011:24 10012:24,25

fly 9791:3 9996:17,22

FMMO 9876:28

FMMOS 10003:14

focal 10007:13

focus 9841:2 9849:11 9861:12 9951:15 10007:19

focused 9859:24 9913:25

folks 9790:12 9897:26

9908:4 9913:22

follow 9790:5 9808:17 9919:26 9944:9 10021:9

follow-up 9909:3 9930:22

food 9784:26 9935:11,15 9939:15 9944:10 9947:11 9948:4,12 9949:5 9950:24 9980:21 9981:8

foods 9783:4 9820:23 9916:20 9932:27 9947:22 9948:7 9999:22 10002:9

force 9976:14

forced 9950:18,22

forecast 9797:14 9799:19 9835:26 9846:6 9888:12 9892:23 9893:19 9903:26 9923:19 9924:2

forecasted 9923:21 9938:23,25

forecaster 9893:7

forecasting 9797:15 9872:2 9892:12,18 9923:13

forego 9818:18

foregone 9913:9

foreseeing 9912:2 forested 9948:22

forever 9958:5

forget 9833:2

forgot 9907:11

form 9887:17 9916:27 9937:9 9938:4 9956:4 9957:24 9959:14 9982:9,10 10003:18

format 9796:1 10021:18

forming 9842:14

formula 9801:11 9803:4,7 9804:7 9825:7,9,20,25 9826:19,28 9830:13 9831:5 9832:17,23 9834:10 9835:28 9836:16 9854:3,6,9,10 9898:2 9912:15 10010:5

formula's 9834:15

formulas 9802:17 9856:14 9863:11 9866:15 9881:16

fortunate 9934:4 9938:15 9939:19 9976:22

forward 9782:14 9787:21 9833:26 9842:15,18 9843:27 9872:2 9890:16 forward-looking 9793:4 9796:16

found 9868:27

fourth 9870:14 9937:28 9964:18 10021:12

framework 9795:9 9811:23 9817:25 9818:8 9867:22 9928:26

Franklin 10002:2

frankly 9813:14 9854:14 9897:16 9900:26 9914:26

Franks 10003:11

free 9948:1 9951:13 9975:27

freedom 9899:21

freight 9948:20

fresh 9938:22 9947:13 9948:24 9995:17,23

front 9798:23 9802:1 9876:18 9902:20 9906:8 9912:24 9914:18 9928:11 9971:28

fruits 9947:13

fuel 9950:27 9957:26 9969:18,20,23,26 9977:27 9978:17

full 9854:14 9901:2 9905:9 9934:21 9950:16 9963:20 9964:16,26 9988:28

fuller 9898:18

fully 9802:23 9950:3

function 9799:3,6 9804:2 9855:26 9861:23 9872:8 9887:4 9889:3 9897:14,16 10016:10

functions 9806:2

fund 9867:19

fundamental 9882:1

fundamentally 9899:25

funding 9791:18

future 9792:1,10 9797:20 9799:20 9801:1 9811:4 9812:12 9837:7 9846:5 9893:20 9896:20 9913:28 9923:20 9951:2 10002:16

futures 9797:17 9798:25

G

gain 9941:9

TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900 gains 9941:17

Gallagher 9958:10

gallon 9939:3 9940:19 9941:9 9948:26 9955:26 9956:8,11,15,23 9958:21,24 9959:22,23 9960:20 9991:19

gallons 9956:1,3,6 9960:12, 18

Gamble 9933:22

game 9800:5 9898:24

gap 9946:27 9947:3

gaps 9981:9

garner 9853:10

Gas 9939:7

gate 9914:21

gather 9981:11

gathered 9892:1

gave 9788:4 9815:26 9848:13 9927:17 9995:13

general 9845:23 9863:5 9870:24 9874:20 9983:2 9995:2,28

generalize 9890:18

generalized 9915:10

generally 9850:2,26 9856:21 9900:15 9981:11 9989:21 9994:22 9995:7

generate 9810:25 10018:9

generates 9803:10 9804:18

9807:14 9881:16 9904:10

generations 9944:9 9968:18

aentlemen 9930:24 9963:3

generated 9803:26

generating 9798:7

generation 9947:23

generational 9945:1

geographic 9934:16

geographical 10003:26

geography 9949:13,21

Index: finding..get all

9942:26 9943:28

10009:19

George 9933:27

Georgia 9930:14

get all 9894:28

9980:7

9920:21

TRANSCRIPT OF PROCEEDINGS December NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

December 06, 2023

gist 9876:26

give 9792:15 9795:7 9799:17 9800:21 9822:27 9823:1 9851:14 9853:17 9855:23 9869:14 9870:14 9882:21 9887:26 9888:1 9898:6 9899:21 9902:6 9906:21 9908:16 9914:15 9918:19 9919:2 9922:19 9927:17 9930:21 9945:25 9950:8,23 9953:9 9960:9 9961:14 9984:8 9986:25 10004:23 10005:6 10011:19 10013:13 10016:17 10019:18 10020:7,10 10022:7

glad 9912:21 9961:28

glass 9938:19

global 9785:25 9845:24 9887:22,26 9888:1,3

glossed 9912:11

go'ed 10018:17

goal 9888:10,11 9918:9 10004:5

gold 9805:7 9905:26

good 9784:7 9789:10 9799:28 9804:1 9805:23 9820:24,25 9828:20 9847:13 9861:5,8 9869:24,25 9873:13,26 9882:28 9883:6, 15,16 9891:13 9892:17 9893:5 9894:5 9895:2,4 9905:4 9912:20 9913:28 9918:11 9919:22 9923:24 9924:2 9929:14 9930:16 9931:7.10 9944:2 9963:25 9965:3 9966:28 9967:1 9975:12 9977:24 9979:11,12 9980:26 9984:5,16 9994:20 10006 17 18 10014 3 4 17 10018:4 10019:15 10020:17 10023:3

government 9791:15 9830:8,10 9852:6 9888:8 9898:21 9926:14 10012:7,16 10016:2,3

grab 9942:23

Grade 9921:14 10003:21 10007:25

graduate 9933:21,25

graduated 9944:18

graduates 9944:19

grand 9974:17

grant 9786:2 9796:13 9821:8 9842:22 graph 9799:10 9800:12 9865:16 9897:12 9901:20 9902:9,24 9905:24 9924:10

graphs 9882:20

grapple 9912:21

grateful 9998:27

great 9911:16 9929:8 9930:13 9942:13 9948:15 9983:25 9994:2 10021:15

greater 9865:10 9877:7 9950:23

greatly 9869:14

green 9865:13

Greensboro 9978:5

grocery 9934:27 9947:12

ground 9926:15

Group 9782:8 9861:10 9927:21 9933:1 9996:27 9999:22

groups 9846:1

grow 9903:13 9934:4 9939:19 10002:11

growing 9990:11

grown 9969:12

growth 9858:13

guess 9905:21 9911:28 9913:7 9922:13 9968:7 10006:4 10013:19

guessing 9909:3

guidance 9788:2

guided 10001:7

gut 9906:21

H-A-U 9782:20 9999:1 10019:23

н

habits 9943:4

half 9960:18

halfway 9835:11

Hancock 9784:5,6 9786:14, 25,27 9787:2 9788:12,18,28 9789:9,17,18 9808:15,24 9820:4 9827:27 9828:2 9918:23 9921:28 9922:1,3 9925:8,24 9966:26,27 9967:22 9970:15 9971:3 9972:3 9973:19,21,23 9979:2 9982:15 hand 9932:3 10021:19 handed 9843:22 9999:2

10022:10 handle 9867:22 9933:5

9967:21

handled 9818:7 9942:26 9943:28

handler 9868:1

handlers 9867:16 9977:14

handles 9799:14

handy 9808:20 9823:23

hang 9851:10

happen 9815:11 9888:12 9889:1 9912:7 9915:13 9917:2 9959:1

happened 9911:24 9913:26 9941:12 9997:3

happening 9817:5 9833:6 9847:16 9886:24 9888:6 9902:19 9909:15

happy 9883:7 9894:4 9916:5 9956:17 10011:2 10023:1

hard 9814:25 9815:12 9864:2 9979:27 9993:8 9996:21 10002:27 10008:2 10017:5

harder 9872:9 9989:23 9990:4

Harpersburg 9979:19

Harris 10001:17

Hau 9782:20 9999:1 10019:22 10020:21

Hau-001 10020:16,17

haul 9957:17 10010:15 10013:9,12,17 10017:18,25 10018:3,23

hauler 9974:23 9975:9

hauling 9950:19 9969:27 9974:20 9975:17 9978:12, 20,27 10004:2,11 10006:2 10009:26 10012:27 10013:11,14 10015:16

hay 9870:22

head 9809:4 9946:1 10013:6

headed 9810:7 9885:3 10004:5

heading 9823:14 9825:16 9857:22

health 9948:8 9949:11

9950:7

hear 9813:20 9931:6 9968:10 9981:5 9988:11 10010:10 10011:20 10014:17 10020:19

heard 9828:8 9892:10 9899:1 9903:23 9911:18 9918:17 9955:9 9981:8 9989:19 10005:20

hearing 9792:5 9815:26 9822:20 9823:13 9824:26 9827:5,19 9834:7 9835:20 9836:10 9842:7,11,12 9844:10,12,17,25 9845:11 9846:7,11 9847:4 9848:2 9851:19 9857:9 9858:25 9869:28 9870:10 9883:18,24 9899:2 9903:24 9925:28 9926:1 9951:20 9980:8 9998:10 10005:2 10011:10, 26 10012:26 10014:23 10021:3

hearings 9842:27 9861:18 10002:22

heavily 9935:12

heavy 9981:18

heck 9905:26

heights 9939:4

Heiskell's 9788:25

held 9890:6

helpful 9872:6 9883:3 9980:27 9986:10 9995:10

helpfully 9954:25

helping 9861:28

helps 9874:14

Henry 10001:17

Herdsman 9975:28

hey 9800:4 9843:14 9887:27 9898:4 9918:15,18 9919:1

high 9897:7 9948:20 9956:16 9960:13,25 9975:26 9978:6 9988:4,5 9990:17 10008:23 10009:23 10010:26 10011:7 10017:21

high-wage-scale 9948:15

higher 9796:23 9802:19,28 9803:10,21,26 9804:5,17,22 9805:4,9,17,25,27 9806:11, 16,19,21,22,25 9807:7,10, 13,21 9808:8,9,11 9825:26 9830:22 9831:9,14,17,25 9832:8,17,23 9833:10,19 9834:17 9843:24 9845:14,15



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

Index: gist..higher

TRANSCRIPT OF PROCEEDINGS Decembe NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

9850:3 9854:17 9855:8,16, 24 9856:1 9866:11 9872:20, 25 9878:17 9880:7 9893:4 9897:1 9898:5,6 9902:10 9903:19 9904:9,10,19 9907:7,8 9909:9,18 9912:11 9913:13 9923:25,27 9924:4 9935:6 9937:9 9938:4,28 9939:6 9941:3,28 9942:3 9943:2,3,11 9945:28 9952:17 9960:7 9961:13 9962:7 10004:14,19 10007:2,5,17,28 10008:5,6, 7,9,19 10009:14 10011:4 10012:3 10017:21

higher-of 9787:11 9801:13 9804:10,14,17 9805:9,16,19, 20,22 9806:12 9808:2 9897:23 9898:5 9907:8,21 9912:9,12 9913:9,18

highest 9806:8 9865:14 9901:27 9902:25 9940:23 9945:11

highly 9814:4,13

highway 9949:14,21

hill 9788:22,23 9926:5 9927:4 9963:11 9964:7,13, 15 9966:16 9974:11 10019:13,23

hindsight 9913:19

historical 9798:26,27 9825:22,27 9826:1,10 9833:7,12,15,28 9834:5,8, 13,18,20 9835:5,9,14 9836:25 9837:5,8 9899:5,6, 15

historically 9803:6,27 9891:16 9906:24 9913:12,26 9969:1 10008:19

history 9790:9 9818:7 9876:6 9913:27 9933:5

hits 9956:19 9959:25

hold 9873:22

holler 9974:11

home 9932:21,23 10004:2

honestly 9949:25

Honor 9783:3 9786:14,27 9788:12 9789:9,17 9820:4 9822:23 9823:2 9824:6 9827:3,20 9828:3,10,13,18, 25 9837:14,16,27 9838:7,8, 19 9861:5 9864:9,24 9882:18 9894:8,23 9918:23 9922:1 9925:8,27 9926:12 9927:1,20 9930:20 9962:27 9963:11 9966:16,22 9983:25 9999:19 10000:19 10001:1 10019:14 10021:25 10022:9

honored 9927:17

Hood 9972:4,5,20,22,23,26

hope 9885:20 9894:4 9916:11 9947:21 9948:15 9976:15

hoping 9787:25

horizontal 9799:8 9901:28

hospital 9975:13

hospitals 9934:28

hour 9993:20

hour-plus 9947:12

hours 9791:2 9995:18 9996:5.6

House 9785:9

houses 10008:28

HTST 9940:28

hub 9947:26

huge 9893:3

hunch 9906:11

hundred 9806:3,5,6 9907:21,26,28 9908:5 9996:3

hundreds 10013:11

hundredweight 9797:26 9799:11 9802:27 9803:9,19, 21 9804:17,22 9805:1,2,15 9807:13,20 9808:8,11 9826:1,4 9835:16 9866:28 9879:22 9907:22 9924:13 9938:26 9940:19 9941:1,18 9945:16,24,28 9952:27 9953:21 9956:3,5

hunt-and-seek 9918:28

Huntington 9949:17,24

Т

i's 9827:25,28

I-70 9945:18

I-77 9974:3,8 9980:16

ice 9934:22 9980:19

idea 9801:1 9900:27 9914:19 9915:22,26 9963:25 9993:12

ideal 9885:9

identical 9882:9

identification 9788:17 9789:15 9829:3 9839:27 9928:22 9929:4,16,26 9930:4,18 9999:10 10020:14 10022:15,21

identified 9783:6

identify 9820:19 9839:24 9860:20 9874:15 9876:15 9877:11

identifying 9839:18

identities 9792:14 9862:10

IDFA 9782:24 9829:7 9834:7 10022:12,17 10023:2,3

IDFA-57 10022:13

IDFA-58 10022:19

IDFA-59 9829:9 9926:4

IDFA-60 9839:25 9927:7

IDFA-EXHIBIT 9926:1,2

IDFA/MIG 9940:22

ignore 10001:12

- ii 9824:9,14 9827:17 9866:16 9871:24 9877:3 9879:21 9880:1,3 9909:12 9944:28 10003:22
- III 9801:17 9802:9,12 9803:9, 20,24,26 9804:5,12,19,28 9806:20 9825:28 9826:3 9833:23 9835:15 9866:16 9871:25 9877:3 9905:6,17, 22 9906:1,3,4,10,13 9907:17,18 9909:12 9913:9 10003:22 10004:28 10010:5, 9

illuminate 9876:19

illuminates 9874:12

imagine 9993:6

immediately 9991:19

immensely 9800:14

impact 9810:13 9822:16 9826:4,16,18 9833:3 9836:25,27 9838:28 9851:2 9853:3 9866:7 9867:5 9887:24 9899:11 9903:26,27 9905:13 9942:15 9991:12 10007:20

impacts 9787:23 9792:10 9806:17 9807:17,26 9808:7 9809:11,16 9810:2,22 9811:6,8,22 9817:18 9835:1 9841:9 9860:25 9862:7 9866:10 9867:18 9875:4 9899:10 9904:19 9919:23 9920:7 9950:8

imperfect 9882:14,15

implement 9914:24

implementation 9914:2,4,8

implications 9805:22 9852:23 9898:13 9909:24 9912:10

implicitly 9864:6

importance 9832:2 10011:21

important 9793:19 9794:5 9795:12 9798:18 9799:12 9801:15 9805:19 9809:12,15 9813:20 9815:3,10 9816:12 9818:13 9826:5,16 9836:27 9856:27 9859:22 9884:12 9888:7 9894:5 9896:22 9901:12,15 9903:7,9 9907:11 9912:8,26 9913:17 9920:18 9980:9 9981:19 9983:6 9984:25 9998:14 10002:18 10017:12 10019:25

impose 9797:1 9801:19 9887:25

imposed 9792:12,13,16 9804:28

imposes 9863:20

imposing 9811:6 9843:16

impossible 9915:23

improvement 9848:3

inability 9853:15

incentive 9853:5

include 9852:3 9875:3 9886:12 9919:9 9924:21 9926:7

included 9877:10 9878:6 9900:6 9924:5

includes 9874:28 9881:8 9946:16

including 9825:24 9832:16, 22 9833:9 9834:11,16 9840:15 9917:5,14 9918:3 9936:19 9954:10 9958:24

income 9795:20 9861:24 9870:23,24 9873:10,26 10007:4 10018:9

inconsistency 9940:17

incorporate 9811:25 9819:21 9850:8 9860:23 9875:7 9877:19 9885:3



TRANSCRIPT OF PROCEEDINGS December NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

incorporated 9797:10 9822:13 9888:2

incorporates 9875:1

incorrect 9834:26

- increase 9798:1 9800:25 9801:5 9803:11 9809:20 9817:13 9821:20,21 9826:3 9835:15,23 9849:16 9855:6 9857:25 9865:21 9866:2,4, 18,23 9867:11 9879:4,13,15, 28 9880:5 9903:11 9904:11 9909:11,16 9938:26 9940:20 9941:1,2,7,8,25 9947:24 9952:26 9958:27,28
- increased 9836:3,16 9855:12 9879:18 9941:28 9949:11 9959:4 9971:18 9974:25 9975:8,17 10010:25
- increases 9802:18 9803:9 9806:24 9853:4,8,11 9865:17,24 9867:28 9880:12 9909:5 9936:9 9940:24 9942:4 9945:11 9958:11,18 9989:17 9991:11

increasing 9801:26 9802:8 9854:28 9904:17 10006:21 10010:21

- independent 9933:28 9934:27 9936:2,4 9939:16 9942:11 9950:13,14 9968:5, 8,12,22 9969:22 9981:16,17, 20 9987:23,27 9988:2 10001:28 10002:4,8,11 10016:10
- index 9851:17,21,26,28 9853:21

Indiana 9929:21

indication 10005:25,26

indices 9850:27 9851:22 9852:2

indirect 9984:14

indirectly 9878:12

individual 9792:11 9807:19, 26 9852:14 9856:26,28 9874:5 9877:7 9879:24 9880:4 9884:14,18 9890:4, 12 9910:22,24 9962:4

individually 9800:24 9931:1 9993:1

individuals 9841:24

industries 9900:6

industry 9785:12 9793:1,2 9796:21 9797:21,28 9798:14 9809:4,5,17,21 9810:3,5,7,9, 14 9812:10 9814:21 9815:18 9816:26 9817:10 9818:6 9819:17 9846:1 9860:11 9869:26,27 9884:13,15,19 9888:7 9889:21 9891:22 9892:27,28 9900:3,15,18 9901:8 9912:27 9916:26,28 9920:7 9942:25 9943:27 9946:15 9967:7 9976:8 9981:21 10003:4

inelastic 9794:2,10,13,20,23 9795:19,23,25,26 9813:11, 14,22,25,26 9814:4,13 9819:26,27 9889:19,22,23 9891:20 9892:27 9915:15 9939:2 9959:20,24 9960:8, 23

inelasticity 9892:2

inflict 9891:24

information 9788:9 9794:5 9799:16,23 9800:14 9811:18 9815:4 9829:21 9834:19 9845:23 9846:27 9889:17 9892:4 9897:19 9899:9 9910:15,18 9914:15 9922:21 9926:7 9984:28 9989:4 10003:9 10016:25

initial 9797:2,7 9802:25 9908:21

ink 9882:25

Innovation 9782:8 9861:10 9927:21 9933:1 9996:26 9999:22

innovative 9948:27

input 9796:20 9798:15 9849:28 9850:3 9851:12 9852:3,13,17,19 9924:20,23 9975:17

inputs 9788:3 9851:15 9852:8

insecurity 9948:4

insert 9938:9 9943:24 9963:27

inserted 9937:26 9938:6 9963:23

inserting 9964:19,22,24,27

inside 9947:27

inspiration 9980:15

inspire 9947:23

instance 9865:27 9866:17, 21 9869:6

instate 9875:15

Institute 9784:27

instituted 9961:20 institutions 9934:28

intended 9848:3

intending 9838:10

intensive 9901:7

intention 9782:25 9836:7 9935:13

inter-t-credits 10017:1

inter-transportation 10017:27

interacted 9797:27

interactions 9910:23

interest 9804:26

interested 9842:18

internal 9887:19

internally 9842:16

international 9783:4 9798:27 9820:23 9916:20 9932:27 9999:22

interpret 9796:1 9841:23

interpreted 9834:27

interpreting 9836:6

interrupt 9800:27 9953:25

interrupted 9918:24

interruption 9876:8

interstate 9974:12 9980:21 9990:11 9997:14,17,19

interstates 9950:2 9997:21

intervals 9903:1,3,13,18

introduced 9811:23 9864:12

invasion 9947:26

invest 9793:6 9935:12

invested 9900:25

investment 9812:7 9889:25 9890:7,10,14

invite 9798:8 9882:2 9883:11 9979:6,7 9980:18 10013:24

involved 9790:15 9810:17 9812:3,16 9813:3 9815:21, 24 9870:25 9879:15 9890:25 9939:18

IRI 9816:2,9,21

isolated 9948:21

TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

issue 9825:4 9836:13



9849:11 9868:8 9874:23 9878:14 9899:19

issues 9861:12 9870:3,8 10002:26

items 9943:12 10016:22

 Ⅳ 9801:17 9803:14 9804:12, 19,28 9866:16,20,23,27 9867:2,12 9871:25 9877:3 9879:22 9881:2 9905:17,22 9906:2,11,13 9907:18,19 9909:12 9913:10 10010:5,9

J

J-O-E 9931:14

J.D. 9788:25

James 9933:24

January 9822:5,7 9922:6 9923:2,5

Jersey 9970:18,23,26 9971:6,10 9994:21

Jim 9918:14

job 9883:24 9983:26 10003:3

jobs 9948:12,15 9949:10 9980:23

Joe 9782:17,18 9927:23 9928:19 9931:14,21 9932:4, 7 9933:19 9942:12 9944:7 9962:28

Joe's 9991:27

join 9950:18

joined 9933:25

joining 9933:22 9979:13 10014:5

joke 9976:6

jokes 9974:9

Joseph 9930:2

journey 9946:14 9948:11

Judge 9813:19 9823:4

July 9841:19 9842:2 9843:5, 9 9844:3 9845:5 9846:6

9848:1,13,23 9849:21

JPEG 9928:25

judging 9853:20

jugs 9948:26

juices 9934:21

9924:16

9864:22

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

jump 9960:26

jumping 9848:14

June 9822:9

justified 9990:3

к

K-Y-T-N 10014:11

Kaiser 9814:8

keeping 9866:14 9941:12 9981:19 9983:26

Kentucky 9794:24 9928:26 9929:21 9934:19 9937:6 9970:19 9972:7 9982:26,27 9983:2 9985:28 9994:8 10016:13

key 9793:18 9819:9 9825:17

kickoff 9845:4

kids 9977:5 10018:8

kind 9787:28 9788:1 9793:6 9800:4 9805:17 9809:26 9810:2 9811:11 9817:17 9819:19 9838:5 9845:21 9846:28 9852:3 9868:27 9870:14 9873:10 9874:19 9878:12 9879:26 9883:25 9885:12 9889:26 9898:18 9899:3 9901:6,13,20 9904:25 9906:11 9908:26 9910:17 9913:11 9914:13 9916:9 9962:13 9971:23 9986:12,14 9988:19 9989:26 9993:2,23

kinds 9843:25 9848:20 9949:10 10008:16 10016:22

knowing 9846:4 10003:8

Kroger 9945:13 9962:7 9972:11,12 10002:7

L

label 9928:25 10022:7

labeled 9789:1 9846:22 9888:25 9901:28 9929:19 9952:3 10020:16

labels 9992:10,13,19

labor 9959:9 10004:11 10008:21

lack 9937:11 9949:6

lacking 9882:23,24,25

lag-dependent 9794:18 9889:1,5,6,11 Lakes 9929:8 9930:13 Lancaster 9985:9 9994:7

land 10017:17

Lane 9944:23

language 9791:10 9825:18 9828:19 9841:23

laptop 9789:8

large 9939:10 9958:22 10004:9 10017:16,24

larger 9794:19 9798:3 9889:10 9948:28 9950:1 9955:3 9974:28 9995:3 10001:28 10010:3

late 9867:24 9905:24 9911:15 9933:23 10012:11 10021:19

latest 9809:26

Latin 9827:27

law 9791:7 10009:18 10016:13

lawyer 10019:22

lay 9793:15

layer 9911:4

laying 9975:10

layman 9901:22

lead 9936:25 9943:7

leader 9817:14

leaders 9945:4 9980:19

leadership 10014:15,21

leading 9944:24 9945:15 9980:25

leads 9948:7

learn 10003:14 10005:13

learned 9797:16 9800:4 10003:10 10018:28

learning 9980:7 10005:12

leave 9838:15 9991:11,12 10018:13 10019:10,18 10021:27,28

leaves 9853:9

leaving 9803:25 9838:18 9887:19

left 9799:7 9800:12 9921:17 9943:15 9991:18 10012:20 10015:15 10018:23 10019:26

left-hand 9806:6,7 9921:17

legacy 9976:11 legend 9926:24

lens 9817:5

letters 9931:24

letting 9901:21 10002:28

level 9792:23 9793:26,27 9795:6,14 9806:5 9816:20 9818:19 9852:8 9854:21,28 9863:11 9867:18 9870:9 9881:5,18 9888:4 9915:16 9954:15 9984:27

levels 9902:26 9936:26 9941:13 9960:7

levers 9958:11,15,17

Lexington 9994:8

lies 9873:14

life 9951:23 9959:10 9980:16 9995:24 10018:6,8

likelihood 9902:19 9947:2

limit 9854:13

limited 9817:6 9818:23 9878:8 9930:20 10008:16

linear 9807:24,25 9856:24 9910:23 9911:2,5,9

lined 9907:27

lines 9805:3,8 9906:27 9911:1 9948:20 9964:23

link 9962:8

linkage 9886:23

linkages 9875:13 9877:17 9885:19

list 9844:7

listed 9802:2 9840:24 9955:12 9972:14 9973:14

listen 9958:19 10002:27

listening 9960:23 10012:26

listing 9929:10,21

lists 9840:20

literally 9837:19 9838:18

literature 9792:17 9815:5 9915:27 9916:1

live 9915:19 9974:11 10010:14

lived 9936:16

livestock 9785:6

TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

LLC 9785:25,26

loaded 9912:3

loads 10013:5

loan 9890:6

local 9936:6 9937:4 9947:4 9981:1 9982:7 9995:6 10008:24 10012:28 10013:2, 12

December 06, 2023

locally 9945:2

located 9934:3 9935:17 9936:2 9952:21 9973:26,27

location 9940:3 9948:18 9952:17 9982:5 10005:9 10017:12

locations 9951:16 9957:16

lockstep 9906:23

logic 9873:11

logical 9884:3

9941:23

logistical 9949:5

long 9790:26 9798:6 9883:6 9891:23 9894:17,20 9895:2 9899:15 9901:4 9905:26 9907:11 9920:22 9959:3 10002:24 10004:2 10008:5 10013:16 10022:27

9889:7,9 9891:1,25 9914:26

long-term 9784:26 9796:16

9,13 9819:18 9890:2 9891:24 9892:3 9923:1

longer 9794:19 9812:4

9820:13 9970:24 9971:5

9803:17 9804:20 9807:17

9810:3 9860:25 9867:12

looked 9787:10 9795:23

9868:23 9871:23 9880:2

9882:7 9886:18 9888:23

lose 9948:11 9950:16

9905:28 9906:5 9908:8.21

9959:4.5.9988:16.9991:20

10008:23 10010:16 10018:2

Index: jump..loser

9910:27 9917:16 9926:22,24

9800:7,22,23 9803:3 9807:5

9933:4 9943:6

longer-run 9891:9

9893:6 9914:16

longest 9791:14

longtime 9933:26

9997:7

loser 9977:10

longer-term 9794:27

9797:25 9798:2,7 9810:7,8,

long-run 9888:20,27,28

TRANSCRIPT OF PROCEEDINGS December 06, 2023 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

losers 9947:18 9951:8 9977:9 10002:26 10010:19 10012:23 10018:27

losing 9942:1 9956:22 9958:28

loss 9817:14 9862:14 9947:4 9951:2

lost 9913:4,6 9946:28 10011:8 10013:5

lot 9785:5,9 9790:11 9793:11 9796:24 9798:19 9799:13 9804:3 9805:14 9809:27 9813:10 9814:22,27 9816:24 9843:19 9856:8,28 9876:14,20 9889:25 9891:12,19 9898:14 9899:1, 6,18,19 9900:2 9901:9 9903:23 9906:12 9915:25 9960:22,23 9961:3 9974:9 9975:22 9980:7,14,25 9988:13,24 9992:3,27 9993:1 9994:27 9997:13 9998:20 10013:7

Lots 10018:20

love 9820:8 9886:22

low 9843:23 9865:26 9897:6, 7 9956:15,16

low-educational 9948:3

lower 9802:12,14,28 9803:15 9805:8 9807:11,15 9831:10,15,19 9852:8 9858:22 9866:16 9880:2 9893:4 9897:1 9909:2,11,18, 20 9919:14 9945:26 9954:19 9961:14 10004:13,18 10008:18,19 10009:6,7 10011:3

lowered 9867:2

lowering 9802:11 9953:2 9957:16

lowers 9804:19

lowest 9901:26 9902:25 9907:17,24

lucky 10010:14

lumpiness 9818:19

lunch 9894:11 9895:5,8

Lynchburg 9994:17

Μ

M-A-R-T-I-N-S 9934:10

macro 9798:28 9845:23 9850:2,23 macroeconomic 9850:27 9873:28

made 9786:9 9793:5 9796:25 9797:7,27 9809:23 9813:19 9821:25 9822:7,20 9843:7,14,26 9844:1 9856:18 9867:16 9870:20 9876:4 9897:28 9902:13 9911:8,14 9913:24 9935:11 9960:19 9963:26 9964:14 9981:7 9995:7 9999:4

magnitude 9796:10 9894:2, 5 9922:12

mailbox 10002:20 10005:26, 27 10015:24

main 9876:9

Maine 9869:26,27 9875:15

maintain 9859:20

major 9934:24,26 9935:8 9936:15,25 9959:4 9990:22

majority 9841:12 9949:14,22 9968:5

make 9787:10 9789:3 9793:10.12 9797:3 9800:26 9801:6,26 9802:6,8,19,28 9805:5 9807:22 9808:2 9809.13.18.22.9812.24 9813:22 9820:5,10 9823:5 9824:20 9825:14 9838:13 9840:6 9843:14,16,26 9849:12,15,17 9850:13 9851:7 9854:13,24 9856:11, 14 9857:4 9863:20 9867:19 9874:1 9879:26 9880:4 9882:2,27 9883:1,26 9884:4, 13 9886:23,26,27 9889:12 9890:14 9891:10.28 9897:1 9901:15 9903:25 9904:5,12, 18 9907:23 9909:28 9911:8 9914:3,16 9918:1,8,16,19,20 9919:2,9,10,14,19,21,27 9920:3,8,10,14 9923:8 9924:24 9925:6 9928:2 9937:22 9941:20 9943:19 9945:25 9956:15,16,17,18 9961:22 9963:13 9964:5 9975:4,5 9977:10,12,22 9981:19 9990:20 9992:9,17 10003:1.8 10004:10 10005:10 10010:1,7,8,11,13 10013:18 10015:27 10018:22

makes 9891:6 9898:12 9899:24 9900:14 9915:6 9938:27 9978:21 9984:12 9993:4 10021:14

making 9793:7 9797:2 9818:22 9827:13 9837:6,8 9841:25 9856:5 9860:27 9891:4 9918:1 9919:15 9920:6 9924:1 9950:12

man 9944:25 9975:14,25 10012:9

management 9810:1,2 9914:5,6 10012:14,15

manager 9944:21

managing 9939:18

mandated 10004:9

mandatory 10012:4

manipulation 9926:8

manner 9799:16

mantle 10019:22

manufacture 9849:22 9850:1,17,26 9851:11,15,24 9852:12 9853:1 9855:7

manufactured 9802:15 9803:12 9851:3 9852:24 9853:4,18,24,26 9854:19,28 9855:22 9857:3 9862:19

manufacturer 9854:11,20

manufacturing 9849:18,25 9852:16 10009:4

map 9877:15 9886:15 9928:25 9929:7 9930:9,10 9934:15 9946:19,26 9947:17 9963:21 9964:27,28 9971:26 9981:25 9997:13

Maple 10019:23

Mapleville 9782:20

mapping 9878:10

maps 9864:11 9930:10 9977:5 9983:1 9989:12 9997:14

March 9796:16,17,19 9798:16 9840:4,11 9841:16, 18 9842:5 9843:8,20,23,28 9844:2,11,18 9845:9,19 9846:10 9847:23 9848:4,8, 10,13 9922:17,21 9923:9,11

margin 9809:28 9956:15,16

marginal 9858:9

margins 9975:21

Marietta 9974:1 9985:10

mark 9786:28 9788:12,18 9823:21 9839:16 9842:8 9960:27,28 10020:28

marked 9788:16 9789:14 9827:5 9829:2,6 9839:23,26 9925:18 9927:28 9928:5,11, 17,21,24 9929:3,6,15,18,25 9930:3,8,14,17 9963:9 9964:21 9966:2 9972:28 9999:5,9 10001:15 10006:7 10020:13 10022:14,20

market 9798:4 9811:9 9817:12 9818:24 9839:4,13 9840:3 9843:19 9845:25 9846:11 9848:4 9856:4 9862:20 9867:1 9878:14 9891:6 9898:14 9899:4 9904:16 9922:18 9936:9,25 9937:14,16 9942:4,11,23 9950:9 9955:6 9967:20 9986:23 9990:10,11,14 9995:6 10007:27 10009:25 10012:11,14,16

marketed 9934:17

marketing 9847:10 9861:18 9862:23 9863:3,7,22 9882:3 9883:10,12 9896:5 9920:25 9944:13 9950:18 9954:28 9967:9 9970:5 9979:6,7 9998:11 10013:21,23,24

marketplace 9802:15 9805:6 9936:26 9959:15,18

marketplaces 9945:19

markets 9797:17 9798:20 9843:23 9847:16 9855:2 9856:8 9898:8 9912:24 9941:16 9955:11 9983:17 10002:4,28 10005:7 10010:18 10018:20

marking 9827:19 9828:12 9999:14

Martin 9945:14

Martins 9932:17 9934:3,6,9 9935:20 9941:6,19 9945:10, 22 9952:13 9954:21 9962:9 9980:4 9985:9,11 9992:16, 22 9993:13,22 9995:12

Martinsburg 9949:16,23

Maryland 9929:22 9934:19 9946:17 9969:8 9986:28 9994:17

Massachusetts 9875:15

massive 9990:25

master's 9784:22

material 9836:21 9857:2 9860:15 9916:24 9922:10 9926:26

materially 9919:14

math 9845:14

matter 9795:20 9902:21



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

9911:9 10015:15

matters 9783:12 9798:21 9800:14 9897:21

meal 9870:22

meals 9938:18

meaning 9861:27 9871:16, 17

means 9799:18 9813:12 9827:16 9859:15 9866:26 9868:18 9884:10 9893:1 9894:20 9914:28 9956:11 9960:7 9987:11 9998:20 10015:28 10016:2

meant 9820:7 9836:7 9871:9 9902:24 9912:12 9913:11

meantime 9964:3

measurable 9924:25

measure 9814:27 9816:28 9817:21 9818:4 9848:19 9861:20 9873:13 9893:22

measurements 9818:11

median 9814:16 9908:9,17

Medicine 9931:27 9944:20

meeting 9787:17 9842:17 10019:25

meetings 9974:27

member 9841:20 9932:26 9933:1 9999:21 10001:27,28 10002:13 10014:6,10,22

members 9790:28 10014:12 10015:8 10018:23,24

Memphis 10001:19

men 9944:27 9996:18

Mennonite 9976:3

mention 9966:1 9999:2

mentioned 9792:3 9845:28 9899:1 9904:25 9908:20 9911:23 9913:2 9915:6 9953:1 9979:17 9980:3 9986:11 10014:6

mentions 9963:15,17,20

mentors 10003:12

merit 9942:22

mess 9944:16 10012:9

met 9797:3 9888:11 9944:20

method 9908:11

methodological 9848:3 9870:8

methodology 9814:20 9816:1,7 9818:1 9838:25 9870:3

metropolitan 9948:28

MF 9992:10,15

Miami 9933:21

mic 10014:23

Michael 10000:7,14 10011:14

Michigan 9929:8,21 9933:25 9983:4,20 9984:9

micro 9984:27

microphone 9920:26 9931:2 10000:10

mid-2022 9796:15 9842:15, 24 9875:26 9876:3

Mid-ohio 9944:26 9973:27

midafternoon 9894:16

Midatlantic 9930:12

middle 9806:14 9910:21 9947:7 9994:8

Mideast 9942:24 9943:26 9950:11 9982:21

Midwest 9865:25,28 9930:12

MIG 9926:23 9929:19

mightily 9939:17

mighty 9916:5

Mike 9782:19 9783:6 9838:8 9926:16 9927:2 9998:25 9999:25 10001:16 10021:12, 24 10022:7

mile 10013:10

miles 9941:26 9945:17,21, 23 9946:5,8 9950:22 9957:12 9974:7,8,12 9978:5, 12,18 9979:20 9991:27 9996:2,3 10001:18 10002:16 10013:10.11

milk 9782:7,10,14 9784:6 9786:2 9787:7,11,15,19 9788:6 9789:22 9792:14,15, 20 9793:27 9794:16,23,26 9795:8,14,15,16,18 9796:12, 18,20,22 9799:10 9800:22 9801:7,16,20 9802:9,21,22 9803:11,12,16 9804:18 9806:18,25 9807:3,16 9809:20 9810:12 9811:15,16 9813:13,24 9814:1,9,12 9815:2 9816:12,13 9818:26 9819:6 9821:7,12,18,24,27

9822:7,11 9823:20 9825:3, 28 9835:15 9841:5.14.26 9842:2,13,24 9843:3,12 9849:2,7,24,27 9850:13,15, 19 9851:13 9852:11,16,19, 20 9853:23 9854:19 9855:22 9857:22,25 9858:2,6,7,15,23 9861:10,18,21,23,24 9862:1, 5,9,11,23,25 9863:3,6,11,21, 26,27 9864:7 9865:5,11 9866:4 9867:1 9868:19 9872:23,24 9875:5,14,22,27 9876:12,13,16,17,20 9878:23 9879:4,8,16,19,20 9880:19 9882:19 9885:2,5, 11 9886:2,6,19 9890:5 9891:17,27 9897:1,7,8 9900:26,28 9901:26,27 9902:2,10,22,26 9903:25 9904:9 9908:22 9909:14,19, 24 9910:16 9917:7,9,22,24 9918:14 9919:20,25 9921:6, 10,13 9924:8,9,11,18,19,20 9925:2,5 9927:21 9933:1 9934:2,21,23,26 9936:1,5,6, 8,10,12,13 9937:3,8,11,13, 20,26 9938:3,7,19,21,22,28 9939:1,4,8 9940:3,5,28 9941:24 9942:25.28 9943:1. 2,8,12,20,24,27,28 9944:13, 14,24 9945:7,13,15,26 9946.6 11 9947.6 7 9 14 23 24 9948:16,26 9949:4,6,10 9950:5,9,11,12,13,18,21,26, 28 9952:4,16,25 9953:2 9954:15,27 9955:10 9956:4 9957:10,15,23 9958:9 9959:14 9960:1.5.6.12.13. 25,27 9961:4,5,11 9962:23 9963:27 9966:27 9967:9,17, 23 9968:5,27 9969:7,10 9970:1,4,9,17,21,24 9971:5, 15 9973:8 9974:12,21 9975:11 9976:4,5,7 9977:13, 26,28 9978:4,13,16,19,27,28 9979:23,27 9980:14,20,25, 28 9981:1,14,15 9982:5,27 9983:10,11,12 9985:26 9986:4,19,25,27 9987:2,3,4, 5,17,27 9988:15 9990:10,15, 23,26 9991:2,3,5 9995:17, 22,24 9996:26 9997:6,8,10, 24,27 9999:21 10001:19 10002:3,4,6,9,16,17 10003:15,17,18,19,21,22,23, 27 10004:2,3,8,14,19,25,28 10005:4,7,9,11,12,19,23 10006:2,20 10007:25,26 10008:1,2,8,9,10,16,20,22, 23 10009:10,15,20,23,24,25 10010:2,3,11,12,15 10011:8, 22 10012:6,12,28 10013:1,2, 5,9,11,14,16 10014:27,28 10015:1,2,13,17 10016:20 10017:2,19,22,25 10018:2,3,

5,23

milk's 9808:27 9809:3 9842:25 9849:15,16 9878:27 9885:13 9959:20 10016:12 10019:1

December 06, 2023

milked 9890:1 9901:5

milking 9889:28 9890:8 9976:8

milks 9890:23

million 9799:21,22 9858:17 9879:5,6,7,18 9934:25 9935:15 9976:7,8 9986:24

Miltner 10006:16,19 10011:17 10016:16

mimic 9888:5

mind 9821:27 9862:8 9886:25 10020:18

mine 9791:11 9882:23 9883:2

minimize 9788:9 9802:18

minimizes 9800:6

minimum 9802:17,24 9803:1,8 9806:19 9807:9,15, 19 9853:11 9856:13,16 9876:28 9877:14,16 9909:17 9961:23 10010:17 10018:21

minimums 9863:12 9909:20

minor 9876:6 9910:24

minus 9795:18 9796:5,6,7 9805:1,15 9812:26 9813:11 9833:23 9906:28 9907:6

minuses 9837:20,21

minute 9801:24 9806:4 9834:24 9879:27 9905:6

minutes 9964:2

misquote 9921:12

missed 9798:12 9848:11 9899:16

missing 9883:4 9897:9 9912:13

Missouri 9784:13,20,22,27 9785:20 9786:1,3 9796:14 9821:9 9842:23

mistake 9828:6 9921:12,25

mistaken 9976:4

misunderstood 9997:3

misused 9827:15

mix 9792:11 9795:12



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

mixing 9828:9

MMI 9969:4

mode 9848:26

model 9785:6,8,25 9786:9 9790:8,14 9792:7,16,19,23, 26,27 9793:5,7,10,14 9795:4,5 9799:19 9802:11 9807:24 9809:6,19 9810:15, 24 9811:25 9812:26 9819:11,13,16 9844:2,3 9849:20 9851:1,9 9852:6 9853:14 9856:10 9858:27 9859:8,24 9860:7 9861:20 9862:26,28 9863:8,14,16 9864:3,6 9865:21 9867:21 9868:5 9869:4 9870:18,20, 21 9871:1,2,7,8,18,19,27 9872:2 9874:24,28 9875:2, 13,16 9876:27 9878:24 9880:13,22 9881:20 9884:8, 10.13.25 9885:23.26.28 9886:10,27 9887:1,22,23 9888:1,18 9890:17 9892:2,3, 17,22,24,26 9893:10,16 9896:26,28 9906:20 9910:12 9911:13,16 9915:3,28 9916:4,6 9919:18 9920:21 9922:6,8,10 9925:1,6 9952:9,18,25,27 9953:3,14, 22,23 9954:2,5,19 9955:11, 15,24 9961:24 9990:3 10021:5

model's 9792:2,5 9793:3 9795:22 9859:25 9911:9 9919:21

modeled 9870:17

modeling 9786:11,17,22 9788:10 9789:21,26 9791:26 9799:14,25 9809:2 9850:8 9867:22 9906:25 9909:26 9924:8

models 9790:10 9795:2 9797:15 9798:10 9856:23 9859:20 9888:3 9892:12 9899:28 9911:15 9915:11 9916:7,9 9920:4 10011:25 10012:1

- moderate 9806:25 9807:17 9890:28 9914:12,13
- moderates 9890:20 9904:19

modern 9901:5

modernization 9809:14

modest 9782:28 9802:13,14 9809:11

modestly 9806:24 9917:25, 26

modification 9947:19

modifications 9841:25

modified 9788:8 9841:19 9951:6 9976:25

modify 9944:13 9951:6

moisture 9824:15

moment 9789:5 9800:28 9828:27 9829:13 9839:24 9864:19 9865:1 9928:2 9931:4 9991:12

money 9891:13 10004:1 10008:10 10009:16 10010:1 10011:4 10013:7,13,17,18 10018:22

monitoring 10021:3

month 9824:13,16 9829:27 9830:8 9840:13 9934:26 9985:28

monthly 9836:13,21 9935:10 9988:10 9989:5

months 9831:17,25,27 9832:6,7,10 9923:19 9951:23,26 9960:3 9979:28

Morgantown 9949:16

morning 9782:1,27 9784:7 9790:7 9799:4 9806:3 9807:6,22 9820:24,25 9861:5,8 9869:24,25 9883:15,16 9927:22 9999:3, 4 10002:10 10020:4 10021:6,9 10023:7

mortgage 9939:7

motion 9854:16

Mountain 9950:4

mountainous 9935:4 9989:22

Mountaintop 9945:8,10

Mouth 9950:4

move 9786:26 9787:11,21 9803:18 9810:5 9842:15 9864:1 9872:7 9891:25 9897:26,28 9901:11 9904:18 9907:12 9912:24 9925:9,28 9938:10 9963:1 9964:8 10006:4 10009:23,25

moved 9796:23 9843:24 9871:27 9905:23 10001:24

movement 9936:13

mover 9787:12 9801:13 9804:12,14,16 9805:4,17,27 9806:4,12,16 9807:4,7,11 9808:3 9866:16 9877:2 9880:2 9905:15 9906:9 9907:7,9,10,15,19 9909:1,12 9910:4 9911:24 9912:11,15 9913:4,10

movers 9908:1

moves 9805:7 9880:21 10008:22 10009:16

moving 9842:18 9845:3 9875:20 9876:24 9906:23 9908:18 9909:18 9997:10 10008:10 10009:23

multiple 9877:18 9884:27 9885:1 9992:5

multiplies 9889:8

multiply 9889:6

muster 9793:16

Nashville 10001:18

NASS 9824:11,14 9829:21 9837:13,23,24

Ν

nation 9948:23

nation's 9976:4,5

national 9782:10,14 9784:6 9786:2 9787:7,15,19 9788:6 9789:22 9792:22 9795:14 9796:12,18,20 9800:22 9801:20 9807:3 9808:27 9809:3 9810:12 9814:8 9819:6 9821:17,24,26 9822:7,11 9825:3 9829:23 9837:25 9841:5,14,26 9842:2,13,23,25 9843:3,12 9849:2,6,14,16 9858:6 9863:27 9865:5,11 9878:27 9880:19 9881:18 9882:19 9886:23 9903:24 9908:22 9910:16 9917:24 9918:14 9919:25 9924:8,9,18,19 9925:2,5 9934:26 9952:4,16, 25 9953:2 9954:15 9955:10 9957:15 9961:10 9966:27 10005:4

nationally 9863:26 9944:24

nature 9847:17 9851:18 9852:1 9884:10 9901:7

NDPSR 9921:23

nearest 9824:2

necessarily 9909:5 9911:22 9912:5 9913:28 9915:22 9984:9 9987:3 10006:27 10007:12 10011:5 10013:7 10017:4 needed 9788:5 9809:28 9843:13,26 9926:25

December 06, 2023

negative 9788:9 9812:28 9813:17 9820:1 9835:22 9861:25,27 9862:7 9891:28 9910:4 10011:23

neglecting 9950:2

negotiate 10004:24 10008:2 10016:19,23 10017:9

negotiating 10007:28

neighbors 9950:18 10018:17

net 9855:16 9874:17 9878:16 9879:8,11 9880:11, 22

network 9945:8 9949:21 9982:12

networks 9949:14,28

neutral 10021:2

Newark 9945:13

nice 9889:28

Nicole 9784:6 9966:27

night 9782:11 9927:27 10011:1 10013:16

NMPF 9788:24 9796:13 9797:28 9821:8 9935:5 9937:1 9938:25 9939:21 9940:27 9941:13 9942:22 10005:5 10021:2

NMPF's 9841:19 9942:6

NMPF-59 9788:20,24

NMPF-60 9788:13 9789:13 9925:12

NMPF-60A 9788:20,27 9789:13 9925:19

noise 9814:27 9815:11

non-linearity 9910:25 9911:11,13,15

non-ph.d. 9900:19

non-pooled 9876:16

nonetheless 9867:12

nonfat 9795:14 9801:7 9862:5,15,17 9886:1 9921:6, 10,13

nonregulated 9878:22

noon 9894:9,25

normal 9804:2 9818:9 9874:16 9897:16,20 9906:16



Index: mixing..normal

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

north 9928:27 9929:22 9932:17 9934:20 9950:21 9951:1 9955:4,8,15,21 9956:9 9961:26 9970:18 9972:27 9978:5,6 9980:16 9994:11

Northeast 9980:26

northern 9941:2 9987:20

Northwest 9784:20

note 9813:19 9892:10 9935:10 9996:17

notice 9882:18 9969:28

noticed 9921:3

November 9798:8 9847:20 9922:26

nuance 9897:9 9911:10

number 9787:6 9788:16 9789:14 9800:25 9801:9 9802:9 9815:1 9816:8,10 9829:2 9832:6 9835:22 9837:28 9838:1 9839:26 9840:19 9844:19,24 9851:27 9860:9 9864:16 9872:11 9887:17 9889:2 9894:2 9897:13 9899:14 9907:24 9914:1 9915:9 9917:17 9920.22 9925.15.22 9927:11,27 9928:21 9929:3, 15,25 9930:3,17 9937:24 9938:11 9939:14 9952:16 9953:3 9954:26 9965:9,15, 18,21,24,27 9966:7,14 9969:5 9970:6 9976:2 9978:24 9981:7 9999:7,9 10006:11 10009:19 10020:11,13 10022:4,10,14, 20

numbers 9793:27 9794:2,8 9809:2 9821:26,28 9822:8,9, 11,16 9832:13 9834:6 9837:19 9838:3 9844:13 9845:8 9858:13 9875:1 9889:2,3,12 9890:24 9907:14 9909:28 9915:7 9923:16 9924:7,26 9926:9 9954:6 9962:4 10021:27,28

numerical 9788:3

nutrient-dense 9947:11 9948:4

nutritional 9946:27 9947:3 9981:9

nutritious 9947:22

objection 9786:18 9827:13,

0

19 9828:12 9925:11,17 9926:3 9927:8 9963:6,8,12 9965:5,11,17,23 9966:4,9 10006:6 10019:10,27

objective 9919:21

objectively 9924:25

obligation 10003:20

observation 9902:1

observations 9795:24 9803:27 9816:24,25 9825:27 9826:11 9860:9,19 9902:1 9907:21,25 9910:3 9912:1 9913:22

observer 10021:2

obtain 9853:15

obvious 10003:15

occasion 9828:1

occasionally 9785:26 9848:27

occur 9797:9 9922:26

occurred 9858:13 9902:2

occurring 9817:9

occurs 9798:8 9863:26 9867:27 9901:7

Ocean 9929:9 9930:13

October 9922:24

off-the-record 9789:11 9829:1 9839:20 9864:20 9928:8 9999:15 10022:25

offer 9815:14 9883:21 9928:7

offered 9914:2 9989:20 10002:6

Office 9791:27

official 9843:8 9844:2,10,18, 24 9845:9 9869:16

offset 9909:11

offsets 9904:10

offsetting 9909:16

oftentimes 9794:28 9809:17 9874:9

Ohio 9928:26 9929:21 9931:27 9932:18 9934:3,6,9, 18 9937:5,6 9941:6,8,11,19 9944:18,20,23 9945:16,22 9946:5,10,16 9952:14,17 9954:12,13 9955:18 9962:7, 10 9970:17 9974:1 9980:5, 17,26 9983:2,11,22 9984:11 OLS 9873:5 one-and-done 9919:3 one-for-one 9877:17 one-hundredth 9824:2

one-sided 9897:11

one-tenth 9879:5

older 9961:3

one-to-one 9878:10

onion 9802:4

online 9788:20 9789:2 9882:26

open 9897:9 9918:7

opened 9904:2

operate 9886:17 9942:10 9976:20

operating 9863:21 9975:21

operation 9890:11 9901:1 9952:7 9956:9 10018:13

operations 9889:26 9891:13

opine 9905:1 9922:9

opinion 9842:14 9893:10 9914:8 9981:17 9991:10 10011:9,20,21

opportunities 9815:14 9945:6

opportunity 9805:26 9816:15 9817:16 9848:10 9884:1 9897:5 9918:12 9944:10,16 9947:20 9962:24 9976:15 10002:23

oppose 10010:21,24

opposed 9842:7 9855:12 9879:1 9961:10

opposing 9822:27

opposition 9937:1

optimistic 9782:21

Option 9801:12

options 9787:6 9819:28

order 9782:16 9787:8 9797:3 9800:23 9803:1 9807:3,10 9814:3 9821:7,13 9823:20 9842:26 9861:18 9863:16,19,22 9867:21 9870:6 9875:3,4,11,17 9876:14 9877:15 9878:11 9880:27 9881:2,8,15 9884:22 9885:5,6,14,24 9886:13 9887:1 9901:13 9910:13 9934:16 9935:18 9937:15 9940:4 9942:24 9943:15,26 9944:13 9945:27 9950:11 9954:28 9955:4,5,7 9956:17,18 9967:3,7,24 9975:23 9976:19 9981:14 9982:21,23,25,27 9985:20, 26 9986:5,12 9989:5 9990:27,28 9991:5 10003:11 10007:8 10009:15 10016:27 10018:21 10022:5

order-by-order 9874:26

orderly 9967:9

orders 9862:23,25 9863:4,7 9875:9,18 9876:20 9877:18 9878:19 9884:27 9885:1 9886:10,16,20,24 9910:15 9940:6 9985:18,21 10002:18,24 10003:24 10004:10 10005:12 10009:4, 19 10016:23 10018:18,25 10019:1

ordinary 9795:27

orient 9989:13

orientation 9825:13

original 9890:7

originally 9944:23

origins 9790:9

outcome 9787:28 9810:9 9833:24 9846:13 9873:19 9897:20 9925:6 10005:6

outcomes 9799:2,8,21 9800:13 9803:25 9806:7 9808:1 9846:14,17,23 9847:2 9873:1 9874:10 9880:4 9897:6,24 9898:14 9901:26 9905:28 9906:17 9907:16 9908:15 9910:8 9911:17 9912:26,27 9948:8 9949:11

outdated 9970:22

outlet 9817:4,12 9818:11

outlets 9943:7

outlook 9839:4,5,14 9840:4 9846:11 9847:10 9848:4 9856:4 9922:18

outlying 9913:22

output 9849:28 9851:13 9852:17 9853:2

outright 9943:14

over-optimistic 10019:22

over-order 9878:5,8,13 9885:16,21 9936:10,12 9937:9,17 9938:4 9942:26



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

Index: north..over-order

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

9944:1 9967:20,26 9968:23 9969:16 9971:19,25

overnight 9782:26

overnights 9995:20

overpriced 10010:9

oversimplify 9851:4

own-price 9795:17 9796:5 9811:21 9812:23 9813:25 9815:6,15 9819:25 9873:10 9949:7

owner 9933:19

Р

p.m. 9895:6 9964:9

PA 9934:5 9941:16,17,18

package 9792:25

packaged 9954:27 9959:14 9982:9,10 9990:26 9997:10

packaging 9935:13,14 9948:24,26,27 10007:26

pages 9829:18,20

paid 9786:4 9851:16 9853:25 10004:20,28 10005:14 10007:14 10015:16,18 10018:5,16,21

palatable 9898:1

pallets 9948:24

pandemic 9911:26

panels 9927:26

Panhandle 9977:17

paper 9808:23 10020:1,8,10 10021:7,13,18,19

paperboard 9948:23

paragraph 9824:9 9835:11 9870:13,14 9887:2 9937:24, 26 9938:10 9943:23 9963:20 9964:16,18,21,26 9988:28

paragraphs 9824:4

parameters 9796:2 9859:16, 19 9869:4 9898:25 9899:15, 17,22

Pardon 9946:22 10014:8

Paris 10001:24 10002:8

Parkersburg 9949:16,23 9973:28 9974:4

part 9811:14 9823:28 9827:13 9832:2 9837:5,24 9851:13 9852:21 9853:22 9854:2,6 9856:16 9859:4 9866:3 9880:8 9884:13,28 9891:2 9893:9 9904:22 9918:1 9920:14 9944:10,11 9948:11 9949:13,20 9954:4 9967:16 9970:23 9976:10 9977:23 9994:9 10003:8 10018:11

partial 9792:23

partially-regulated 10002:17 10006:23,26

participants 9811:9 9840:21 9900:15 9904:16 10022:28

participate 9935:10

participation 9825:6 9833:17 9842:3

parties 9797:11 9912:5

partner 9988:24

partners 9946:13 9947:16 9977:24 10001:22

parts 9837:12 9870:2 9885:23 9928:26 9929:8 9945:2 9946:16 9951:20 9967:10,18,19

party 9786:7

pass 9793:16 9855:15 9941:28 9958:11 9976:12 10020:1,3

passed 9804:13 9806:13,15 10009:18

passing 9942:3

past 9792:9 9810:20 9816:16 9841:13 9871:27 9891:18 9900:24 9916:8 9927:26 9960:1,7 10017:23

path 9805:12 9810:7,8 9914:21,27

pay 9811:9 9851:8,15 9852:11 9853:1,8 9856:5 9868:1 9880:26 9919:13 9937:8 9938:3 9943:1 9945:13 9946:8 9957:17,23, 26 9967:26 9968:22 9969:16,23 9971:20 9974:22 9978:7 9991:1,4 10008:8 10009:25 10012:8 10013:12 10015:7,9,11 10017:28

paying 9951:27 9997:4 10005:23

payment 9790:23 9791:5 9867:18,28 10006:28

payments 9939:8

payoff 9811:10

pays 9946:18 10007:1,2 10015:13,14,15

peel 9802:4 9893:24

peer-review 9845:20

peer-reviewed 9815:9

Pennsylvania 9928:26 9929:22 9934:18 9941:15 9945:21 9946:17 9952:21 9960:10,11 9970:18 9982:23 9983:2,12

penny 9806:27 10013:10

pensions 9959:8

people 9800:28 9840:20 9900:2 9903:24 9913:2,24 9914:5,12,15 9926:13,17 9938:17 9949:6 9960:4,8 9961:3,4 9964:4 10010:10 10011:4 10012:18,21,22 10015:13 10020:6

percentage 9832:7 9893:26

percentage-wise 9987:26

percentages 9988:12

percentile 9846:21,22

percentiles 9902:4

perfect 9882:17 9886:27 9892:18 9898:3

perform 9821:15 9868:13 9893:10

performance 10005:8,13 10008:17

performed 9786:10 9787:14, 26 9849:1 9860:13 9868:18

performing 9893:16

period 9795:24 9797:26 9802:26 9812:4,18 9813:26 9818:19 9825:24 9826:2,12 9829:15,22 9832:15 9833:9, 18 9834:10,14 9835:2,5,9, 14,26 9837:8 9859:13,18 9860:5,6,12,18,19,24 9862:2 9889:3 9897:28 9898:10 9899:7,15,21,23 9905:10 9917:26,27 9920:22

period's 9889:3

periods 9860:16 9891:17 9898:11

permanently 9945:5

persistence 9946:18

person 9858:28 9859:6 9985:1 10016:2 personal 9932:15 9988:22 10000:23.27

December 06, 2023

personally 9860:13

personnel 10003:10

perspective 9809:18 9834:6, 8 9898:20

Peter 9918:14

Ph.d. 9783:20 9784:1,22 9814:25 9919:4 9996:18

phase 9914:3

phone 9918:13

phrases 9828:9

pick 9794:14 9897:8 9898:3 9911:5 9913:13 9915:8 9917:17 9918:8 9951:8 9960:18 9977:9,20

picking 9906:9 10003:3 10010:18 10012:22

picky 9903:6

picture 9882:12 9948:3 9979:1

piece 9805:19 9867:21 9884:19 9893:24,25 9904:14,15 9920:19

pieces 9811:24

Pittsburgh 9941:16 9992:5 9993:15,20

pizza 9975:27

place 9789:11 9805:21 9809:3,28 9810:5 9829:1 9839:20 9864:20 9928:8 9935:19 9936:19,22 9947:15 9954:1 9958:7 9999:15 10017:16 10022:25

places 9858:22 9963:27 9964:16 9977:13

plan 9812:11,13 10003:1

plant 9934:3 9940:21,28 9941:6,9,10,15,17,18,19,26 9951:18 9952:20 9953:19 9954:13,21 9959:5,6 9961:22 9972:4,12,20,22,26 9973:2.11.14 9979:21 9980:4 9982:6 9985:5,18 9987:17,18 9989:14 9990:7 9991:4,12,25,26,27 9992:28 9993:2,13 9995:1,12 9997:22,25,28 10002:5,7,13, 15,17 10003:22 10004:9,21 10006:23 10007:2.11 10008:10,11,15 10009:7 10010:16 10011:24 10012:28 10015:4,7,12,13,



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

Index: overnight..plant

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

17 10017:13,22,25 10018:1, 2

plant-based 9917:6,19

plant-to-plant 9984:26

plants 9929:10,12,21

9934:4,15 9935:6,17 9936:3, 13,23 9937:9 9938:3 9939:5, 16 9940:4,5,18,23 9941:2,4, 8,12,21,24 9942:10,13,24 9943:6,7 9951:16 9969:6 9972:15 9973:5,14,16 9981:1,25 9982:16,17,19,20, 21 9983:3,15,20 9984:9,10, 11,20 9985:4,17,19 9989:15 9990:28 9991:28 9992:3,5, 28 9993:1,2,3,15 9995:4,5 10003:25 10008:23 10010:2, 14,15,16 10012:6,24 10015:3 10017:21

play 9887:16 9899:12 9917:3

plenty 9937:2

plot 9874:6

pluses 9837:19,21

PMO/IMS 9944:23

- point 9795:7 9798:20 9805:5 9813:7 9821:7 9841:11 9844:23 9845:4 9856:22 9872:12 9874:27 9876:9 9881:20 9888:4 9889:17 9891:10 9896:18,19,21,24 9897:8 9898:7 9899:19 9900:22 9910:1,17 9911:8 9913:7 9915:24 9917:11 9925:27 9928:4 9936:14 9963:7 9964:4 9978:6 9980:8,26 9981:10 9982:4 9990:17 10002:25 10007:13 10012:1
- points 9793:8 9799:21,22 9808:17 9884:12 9901:9 9936:28 9959:25 9981:7

policies 9785:8 9810:4,6 9862:24 9863:7

policy 9784:25,26 9785:1,7, 10,11,13,14 9786:12,16,21 9791:8,17,20,22,24,28 9797:3 9800:1 9804:11 9809:18,21,23 9817:20 9818:2,5,8,9,12,22,28 9819:20,28 9838:28 9839:6, 9 9859:22 9863:17,19 9888:9 9891:5,8,23 9893:24, 25 9897:5,10,19,20 9898:11, 12 9900:16 9919:22 9920:23

policy's 9790:17

pool 9867:17,18,28 9875:3 9940:4 10003:20,24,25 10004:11,12,27 10005:14,15 10008:17 10009:15

pooled 9876:16 10002:18 10004:28 10016:12

pooling 9875:4 9886:12 10004:8,9,20 10012:4

poor 9948:3,7

poorer 9943:10

popping 9974:28

popular 9939:2

population 9935:2 9943:11 9948:11,21 9949:1,14,22 9950:1

portion 9797:24 9817:25 9857:2 9890:7

portions 9929:7 9930:11

Portsmouth 9985:10,14 9994:7

posed 9880:15

position 9782:22 9786:7 9800:5 9931:2 10011:11 10014:16,21

positive 9796:26 9865:11 9878:17 9912:10 9949:8

positives 9913:3

post 10021:21

posted 9788:20 10020:7 10021:18

potential 9785:14 9805:22 9897:6 9898:13 9912:10,26 9913:13

potentially 9873:27

pound 9824:1

pounds 9858:17 9876:12,13 9879:5,6,7,8,18 9934:26 9945:7 9980:1 9986:22,24

pour 9938:19 9961:5

poverty 9948:3

powder 10012:6

power 9948:25

Powerpoint 9788:19 9789:25 9801:24 9808:13 9820:28 9833:4,21 9834:4 9863:24 9910:28 9924:12 10021:17,26 10022:18,19

powers 10004:1

PPD 10004:27

practice 9968:15 prayer 9975:7

prayers 9975:14

pre-covid 9860:26

pre-determined 9787:28

preach 10019:1

precise 9954:26

precisely 9993:10

predict 9871:16,17 9872:2, 13 9919:19

predicted 9871:25,27 9900:5

predicting 9871:20

predictions 9872:3

predictor 9913:28

predicts 9871:1,18,19

prefer 9838:12 9926:6 10020:8

preference 10010:24

preferences 9873:12

preferred 9828:12

preliminary 9783:12 9798:7 9846:2 9847:19 9896:4 9922:25

premium 9936:12 9937:11 9967:20,27 9968:23 9971:25

premiums 9878:13 9885:16, 21 9936:10,11 9937:9,14,17 9938:4 9942:27 9944:1 9957:23 9958:2 9969:16 9971:19 9988:18,19

prepare 9789:19,24

prepared 9790:1 9840:21 9926:17 9954:5

prepares 9839:13

preparing 9840:21

present 9821:24 9846:25

presentation 9787:1,5 9789:25 9790:2 9820:28 9833:4,22 9834:4 9905:25 9910:28 9924:12

presented 9836:11 9926:23

preserving 9976:11

president 9933:19

pressure 9943:5 9959:4

9975:22 9976:10

pretty 9791:10 9815:16 9889:25 9893:2 9894:4 9895:2 9897:17 9911:9 9912:3 9913:14 9923:24 9957:12 9969:12 9974:17 9981:18 9984:20 9985:26

preventative 9950:6

preview 10019:18

previous 9828:1 9907:28

previously 9783:22 9879:4 9931:16 10000:11

price 9796:6 9797:23,25 9798:1 9801:11,13,16 9802:9,12,17,24,27 9803:4, 9,19,20,25,26 9804:21 9805:17 9806:20.22.27 9807:10,18 9808:1,5,8,9 9813:24 9814:12 9815:22 9817:13 9823:11,15,25 9824:1,12,14,23 9825:6,11, 17,19,20,21,22,23,25,26,28 9826:2,3,6,19,21,25,26 9829:15,25 9830:2,3,4,10, 11,12,17,22,23,24,27,28 9831:4,9,10,11,12,14,15,17, 19.25 9832:8.9.17.22.23 9833:5,10,17,18,19,23 9834:11,16,17,21 9835:1,15, 22,23 9836:3,15,16,17,26 9837:1 9840:27 9843:22 9844:14,18,25 9845:2,9 9850:5,9,27 9851:21,22,26, 28 9852:2,28 9853:7,10,11, 21 9854:22 9855:12,14,16, 20 9856:13 9861:24 9866:21 9867:2,27,28 9868:2 9870:5, 6 9872:13,26 9875:12,13 9876:27 9877:6,8,13,20,21, 24 9878:4,8,17 9879:12,21, 22 9880:1,3,6,7,11,20,26 9881:2,4,8,21,23 9882:6 9885:4,8 9901:26,27 9902:25 9903:14 9905:6 9906:1,2,3,4 9909:4,9,14,18 9911:3 9913:25 9915:12,15 9921:13,14 9923:12,22 9924:11 9939:7 9949:3 9958:6,23 9959:25 9971:18 9989:7 10002:20 10003:15, 17,24 10004:8,25 10005:27 10006:1 10007:3,5,6,8,12, 16,18,20,21,24,27,28 10008:2,7,8,18,19,27 10009:6,8,16,26 10010:5,6, 11,22 10012:6,12 10015:20, 21,24 10016:19,24,28 10018:16,21

prices 9792:20 9794:16,23, 26 9796:22 9799:0 10 13

26 9796:22 9799:9,10,13 9802:2,12,16,19,25 9803:2,



TRANSCRIPT OF PROCEEDINGS Decembe NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

7,10,14,24 9804:5,19,28 9805:25 9806:20.25 9807:13,15,16,19 9808:11 9813:13 9814:4 9823:20 9825:24 9826:22 9829:21 9832:16 9834:1 9845:4 9846:21,23 9849:28 9850:3, 10 9852:17 9853:5 9854:1,2, 8,17 9855:2,3,8,20,24,25 9856:1,15,16 9862:6 9863:10,11 9866:8,23 9867:10 9870:22 9871:5,20, 21 9872:23 9877:1,3,8,10, 14,16,26 9878:5,11,18 9879:17 9881:3,5,14,15,17, 19 9884:21,22 9885:14,16, 24,25 9886:14,16 9887:6,7, 12,20,25 9888:12 9893:3,4 9897:1.7 9900:12 9902:2.10 22,26 9904:8,10,18,24,26 9905:17 9906:14 9907:15,18 9909:17 9917:24 9921:6,19, 22,23 9923:28 9935:6 9938:28 9943:3 9947:15 9989:5 10003:20 10008:19 10010:6 10012:4

pricing 9936:19 9944:13,15 9989:1 10004:26 10011:3

primarily 9792:20 9798:9 9861:10 9879:1 9887:19 9951:13

primary 9859:9 9870:3 9878:16 9934:16 9947:9

principal 9859:6

print 9882:20

prior 9861:17 9939:15

private 9936:24

pro 9785:12

pro/con 9849:5

probability 9799:6 9897:15 9902:16

problem 9799:15 9800:18 9828:17 9867:25 9921:26 9936:12,15 9942:27 9961:20 9985:8 10004:7,10 10008:25

proceed 9789:16 9790:4 9801:3 9829:8 9839:25 9896:7 9933:16 10000:18

proceeding 9782:4 9783:23 9931:17 10000:11 10001:2,5 10002:28 10023:9

proceedings 9999:23

process 9791:8 9793:10 9798:5,6 9799:27 9805:6,13, 23,24 9845:21,22 9846:3 9847:21,23 9850:17 9852:12 9855:3 9870:1 9872:14,15 9873:21 9874:14 9893:12,18 9896:21 9909:26 9922:24 9923:4 9941:14 10003:13

processes 9849:25 9934:25

processing 9934:2,4 9936:13 9940:18 9945:26 9946:13,28 9947:4,15 9948:13 9950:16 9951:5 9974:13 9977:23 9980:23

processor 9850:19 9851:10 9852:8,15,25 9853:8,9 9855:14 9856:12,27,28 9867:26 9919:11 9934:23 9950:9 9978:22 10016:9

processor's 9852:9

processors 9851:3 9852:16 9853:15 9945:12 9946:10 9947:17 9949:28 9950:14 9958:10 9981:20

Proctor 9933:22

procure 9981:1

produce 9848:1 9853:5 9973:9 9976:5

produced 9950:14

producer 9850:27 9851:22, 28 9852:2 9853:21 9867:10, 19 9868:1 9870:6 9880:26 9890:4 9944:17 9951:5 9974:22 9976:25 10005:4 10007:19,23 10015:17

producers 9786:2 9788:6 9796:12,20 9807:3 9811:8 9843:12 9865:5 9898:1 9909:24 9936:2 9947:21 9952:4 9969:22 9970:8 9987:23 9991:14 10009:17 10013:12 10015:15 10016:27 10017:8

producing 9920:11 9976:4

product 9787:19 9802:19 9803:14 9807:16 9817:14 9837:25 9850:1,10,20 9851:5 9853:4,5,8,25,26 9854:28 9855:8,22 9856:5, 15 9863:10 9881:17 9887:5, 6,12,18 9904:10,18 9915:13 9916:24 9919:15 9920:12 9950:15

production 9792:15,21 9794:22 9802:21,22 9803:12,16 9806:24 9807:14 9852:23 9853:14,18 9856:20 9858:16 9866:27 9875:5,14, 17,23,27 9876:12 9877:22 9879:4,16,19 9942:28 9948:16 9973:25 products 9795:13 9802:15, 16 9803:13 9810:24 9815:23 9816:11 9817:6 9829:21,23 9849:28 9850:5,9,14,19,26 9851:3,16,24 9852:18,24 9853:1,6,18,24 9854:19,22 9855:7,11 9856:3 9857:3 9862:11,19 9863:25 9886:2, 3 9887:24,28 9934:17,22 9948:6 9949:5 9973:6

profession 9785:4

professional 9784:16,18,24 9785:3

profit 9956:17,18

profitable 9976:19 10013:8

profitably 9942:11

program 9790:23 9791:5 9809:28 9935:16 9944:21 9986:13,15 9987:13 10002:20 10003:5 10004:5 10012:10,25 10015:25,28 10016:1,2,3,6 10017:8

programs 9810:28 9811:2, 10,11 9936:18 9989:1

project 9812:9 9842:20 9852:20 9870:18

projected 9850:9 9877:6

projecting 9893:4

projection 9833:26

projections 9834:25 9837:6 9840:27 9874:5 9903:15

projects 9850:11,12

promise 9954:9

promised 9869:14

promote 9948:12 9960:6,11 promotion 9792:4 9810:22,

26,28 9811:10,22 9812:8,10 9814:5 9817:23

promotions 9960:10

properly 9789:1

proponent 9849:8

proposal 9786:7 9801:5,8, 13,17,19 9804:15 9806:18 9807:8 9821:18,19,25 9825:1,3,5,14 9904:21 9914:3 9918:8 9934:24 9935:5 9937:1 9939:21 9940:17,24,27 9941:20 9942:6,15,22 9943:9,14 9947:3,14 9949:3 9955:15 9962:19 9989:20 9990:25 10005:5,6 proposals 9797:8,11 9798:21,22 9800:10,21 9807:5,23 9808:27 9809:3, 10,12 9825:3 9841:5 9842:17 9844:4 9849:2,6,9 9858:6 9914:1 9917:24 9918:4 9925:2 9935:5 10011:10,12

propose 9927:23 9930:19 9952:7,17 9961:9 9998:22

proposed 9787:22 9808:28 9810:12 9835:28 9838:28 9839:6,9 9841:9 9849:12,15 9865:5,14 9908:23 9939:11 9941:6 9945:11,16,20 9950:12,26 9954:15 9955:10 9961:11 9977:26 9989:16

proposes 9952:25 9953:2

proposing 9842:26 9880:19 9957:15

proprietary 9936:24 9993:11

pros 9793:12

protection 9809:28

protein 9801:10 9803:4 9823:10,25 9824:1,23 9825:11,19,25 9829:25 9830:2 9832:16,22 9833:18 9835:23 9836:3,16,17 9886:4,5

proudly 9791:14

provide 9784:10,28 9790:1 9791:2 9849:4 9864:9 9882:19 9884:18 9919:24 9924:20 9932:15 9943:17 9946:11 9948:19,23 9950:15 9976:20 9997:21 9999:24 10000:22,24,26 10001:3 10016:23

provided 9787:19 9807:2 9835:24 9864:14 9899:10 9954:25 9981:26 9996:12

providing 9786:11 9834:19 9848:20 10021:1,2

proving 10019:21

provisions 9886:13 9887:1

proxy 9851:18

public 9998:9,10

publicly 9813:6 9878:9

published 9795:4 9812:17 9840:4 9847:8 9917:5

publishes 9840:11

publishing 9815:5



Index: pricing..publishing

December 06, 2023

TRANSCRIPT OF PROCEEDINGS Decembe NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

pull 9808:19 9910:5 9958:11,15 9970:1,9,17,21, 24 9971:5,15

pulls 9985:11

purchase 9947:22

purchased 9957:23

purely 9923:19 9942:23

purported 9836:24

purporting 9833:16

purports 9833:9 9865:4

purpose 9870:2,4 9962:15

purposes 9819:5 9836:9 9837:6 9841:25 9842:7,11, 12 9844:15,26 9848:2 9857:6 9860:27 9870:10

push 9843:15 9885:15 9909:20

put 9787:4 9790:24 9791:2 9797:17 9798:12 9801:20 9805:20 9806:3 9809:3,10, 28 9811:8 9823:23 9838:10 9842:8 9846:27 9847:19 9893:26 9897:15 9904:5 9909:13 9926:13 9927:1 9932:20 9950:20 9954:5 9956:18 9959:11 9960:3 9979:13 9982:6 9989:12 10008:14 10011:11 10017:17 10020:25 10022:7 10023:4

puts 9943:9 9958:25 9959:4

putting 9853:24 9911:3 9978:15 9981:6

puzzle 9904:14,16 9920:19

Q

qualification 9876:9 9877:5

qualifies 9926:20

quantified 9978:23

quantitative 9784:25 9785:14 9786:8 9849:4,6 9920:19

quantitatively 9785:11 9919:23

quantities 9850:13 9995:3

quantity 9887:18

quarterly 9817:24

Queen 9980:20

question 9820:26 9821:23 9823:9 9829:19 9834:12 9838:12 9842:8 9844:16 9850:8 9855:18,19 9857:8 9860:2 9867:7 9872:9 9874:20 9878:28 9880:9,15, 17,27 9883:28 9884:26,28 9886:4 9891:3 9892:11 9904:5 9905:4 9906:21,26 9911:28 9912:3,21 9915:1, 18 9919:7 9921:3 9967:2 9971:2,5 9978:14 9987:28 9989:4 9997:6 10005:20 10006:21 10014:24 10016:21

questioning 9823:6 9824:21

questions 9790:5 9793:13 9820:5 9838:21 9845:7 9859:26 9868:17 9876:26 9882:2 9883:10,11,25 9884:5 9911:21 9922:4 9925:9 9930:20 9951:12 9979:6,8 9983:6 9996:20,24 9997:4 9998:3,5 10005:18 10006:3 10011:17 10013:21, 22,25 10016:16 10019:7 10021:4

quick 9921:3 9933:20 9996:27

quickly 9800:4 9859:23 9860:22 9891:14 9900:21,24 9962:6

quo 9863:8

quote 9825:18 9835:13 9836:27

R

R-E-I-T-E-R 9946:4

race 9976:7

radius 9936:3 9970:1,3

Ragersville 9980:14

raise 9855:11,14,20 9917:24 9932:2 9949:3 9958:23 9962:22 9979:26 10007:16 10018:4

raised 9808:18 9825:28 9853:10 9913:7 9939:9

raises 9854:22 9940:27

raising 9802:16 9853:7 9909:23 10004:7 10009:5

Raleigh 9994:12

ran 9922:5,15

random 9873:7 9974:11

randomly 9873:21

range 9820:1 9897:24 9912:26 9917:14 9959:21

rapidly 9867:4

rarely 9898:21

rates 9852:2 9870:26 9887:20 9975:8 10015:16

Ravenswood/ripley 9974:4

raw 9850:19 9851:13 9852:11 9936:5 9937:8 9938:3,6 9942:26 9943:20, 24,28 9956:4 9986:19 9991:3 9997:6,8 10003:21, 27 10004:3 10007:25

re-done 9848:10

re-submitted 9783:2

reach 9947:8 9948:1 9985:24

reached 9789:21

reaches 9939:4

react 9899:9 9900:21,23

read 9825:17 9826:11 9827:8,10,14 9917:4 9937:14,27,28 9938:5 9942:17,18 9943:25 9964:13 9975:28 9983:27 10001:14 10004:15,16 10011:1

readily 9885:18 9948:5

reading 9808:21 9827:12 9835:13 9931:6 9937:25 9978:3

reads 9910:21 9940:13

ready 9784:28 9820:14 9842:16 9857:13 9895:6 9938:10 9964:8

real 9798:18 9855:10 9877:5 9917:1,9 9947:11 9962:6 9982:26 10002:26

realigning 9810:24

realistic 9846:4

reality 9792:28 9833:12 9892:27 9905:2

realize 9809:12 9930:5

reason 9818:10 9864:4 9876:8 9909:21 9917:28 9920:17 9952:3 9958:20 9989:21 9990:1 9999:20 10002:27 10012:2

reasonable 9919:16

reasons 9984:24 9989:23

reblend 10015:6,7,10

rebuild 9946:15

recall 9790:19 9796:22 9812:21,26 9844:1,5 9861:17 9978:1

receipts 9794:16

receive 9789:6 9919:12 9940:23 10007:3,7 10015:22

received 9784:19,22 9791:17,21 9792:5 9924:23 9925:15,22 9927:11 9965:9, 15,21,27 9966:7,14 9982:6 10006:11 10021:3

recent 9819:21 9912:4

recently 9795:3 9812:17 9975:8

recess 9895:8 10023:5

recognize 9840:2 9876:20 9909:22

recognized 9786:15 9791:19,23 9960:4

recollection's 9861:16

recommend 9983:28

recommendation 9943:13 9961:17 10011:3

recommendations 9818:22

recommended 9817:28

record 9782:2,3,11 9784:11 9789:1,5 9813:22 9820:16, 17 9822 6 9823 4 24 9827:14 9828:27 9829:4,5 9839:17,19,21,22 9849:14 9857:15.16 9864:14.18.21 9882:16,20,22,26 9883:7,22 9889:18 9895:7 9896:2,3 9903:28 9904:26 9911:15 9928:1,2,5,7,9,10 9932:16 9937:23 9938:9 9942:21 9962:3 9963:14.24.28 9964:5.11.12.13.14 9979:14 9981:10 9982:2 9983:26 9986:14 9989:12,19 9990:2 9992.9 9997.7 9999.13.16 17 10000:23,24 10001:3 10006:19 10008:13 10011:11 10019:4 10022:22, 24,26 10023:8

record's 9910:1

recover 9852:25 9854:12 9855:12,15 9856:12

recovering 9975:13

recovery 9898:10

recreational 9948:6



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

red 9830:23 9831:10,14,20 9865:10,17

redirect 9922:2 9996:25 9997:1

redis- 9982:6

redistributed 9982:7

redlined 9825:2

reduce 9912:28 9949:8

reduced 9887:17

reduction 9802:21

reductions 9891:16

refer 9826:10 9833:21 9844:28

reference 9812:24 9821:12, 19 9826:17 9833:4 9840:6 9848:23,25 9859:27 9860:4 9978:2 9980:26

referenced 9981:27

references 9829:15 9833:8

referred 9783:17

referring 9826:12

refers 9882:5

reflect 9819:16 9821:24,26, 28 9849:17 9856:10 9920:11

reflected 9822:9 9854:9 9909:5

reflecting 9798:3

reflection 9797:20 9843:27 9905:13

reflective 9850:25 9851:23

reflects 9809:19 9850:12 9853:14 9855:25 9909:4

reform 9787:8 9901:13 9913:8

regard 9786:22 9821:19 9827:12 9871:4 9874:22 9927:5,7

regime 9852:24 9855:13

region 9935:16 9940:4,21 9945:12 9946:10 9947:17,20 9951:4 9977:15,23 9982:8

regional 9793:22,26

regions 9793:26 9958:23 9978:27

registered 10016:11

regulate 10008:1

regulated 9851:2 9878:14,

18 9879:20 9909:20 9934:16 9985:18,22 10003:19

regulation 9823:22,26 9825:2 9827:10 9851:7 9852:7,24 9856:4

regulations 9823:24 10013:13

regulatory 9854:12 9856:8 9944:22

reinforce 9863:8

Reiter 9946:1,3

reiterate 9942:8

rejected 9943:14

relate 9850:3

related 9792:3,17 9793:7

relates 9901:17 9940:18

relating 9842:25

relation 9843:7 9980:3

relationship 9825:22 9884:25 9904:23 9968:25 9989:17 10002:12

relationships 9792:12,13 9988:23 9995:12

relative 9795:9 9799:2 9800:1,7 9802:2 9804:20 9805:13 9806:12 9817:1 9818:25 9825:21 9833:24 9835:26 9842:16,22 9845:5 9848:7 9850:16 9851:12 9856:17 9858:9,14 9863:19 9867:23 9886:17 9889:22 9916:1 9917:22 9951:16

relay 9793:15

relayed 9790:21

relocation 9951:3

rely 9828:19 9961:23

remained 9976:23

remember 9804:10 9828:7 9857:11 9873:4 9875:26 9876:21 9878:10 9912:8 9924:1 10001:6

remind 9792:27 9796:8 9797:13,27 9807:24 9809:16 9856:25 9912:22 9913:27

reminds 9806:10 9902:21

remote 9935:3

removal 9791:16

remove 9808:2

removes 9825:19

removing 9803:3 9804:5 9826:2 9834:21 9835:1,14, 21

renumbered 9788:23,26 repeat 9835:7 9926:16

9978:14

repeating 9857:7,8

repetitive 10016:15

replace 9872:3

replaced 9971:8

replicate 9793:1

replicated 9823:22 9926:14

report 9810:17 9812:17,22 9813:28 9819:23 9826:18 9829:22 9837:26 9838:27 9844:12 9845:9,11 9857:20 9858:25 9874:11 9922:22 9923:11

reported 9819:22 9824:12, 16 9837:13,18,28 9846:14 9847:5 9869:2 9876:3 9886:26 9922:21 9923:12

reporter 9854:5 9860:1 9876:1 9887:8 9920:1 9949:19 9971:1 9994:2 9998:24

reporter's 9994:3

reporting 9817:28 9819:2 9874:10 9923:11

reports 9817:19,21 9829:23 represent 9820:23 9833:9

9849:23 9884:14 9902:24 9907:14 9910:7 10006:20

representation 9862:23 9863:6,9 9867:20 9886:16 9887:26 9893:20

representative 9822:21 9861:9

representatives 9841:26 9843:13 9935:9

represented 9886:10

representing 9836:1 9869:27

represents 9832:10 9919:14 9948:14

request 9821:21

requested 9933:5

TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

required 9853:11 9855:15

requirements 9944:22

December 06, 2023

requires 9851:2,4

rescued 9975:12

research 9784:27 9790:13 9795:3,10 9819:20 9916:6

researchers 9859:3

resembling 9949:26

residing 9939:12

resold 9901:4

respect 9794:23 9837:21

respected 9946:13 9980:13

respond 9803:17 9808:9 9858:9 9891:12 9904:16

response 9790:26 9794:2, 16,26,27 9802:13,14 9807:16 9813:12 9818:14,16 9856:24,26,27 9881:11 9888:1,22 9889:10,27 9890:12,13 9891:4 9892:10, 22 9899:16,17 9904:15 9909:19 9915:12,16 9919:17 9926:11 9990:7

responsibilities 9959:8

responsibility 9859:10 responsible 9840:26

responsive 9890:14 9900:7,

responsiveness 9900:17

9837:19.20 9851:8 9888:6

rest 9802:11 9833:6

restaurants 9934:28

restriction 10005:9

restrictions 9857:3

resubmit 9788:28

9971:19

result 9792:8 9804:19

9807:15 9846:16 9874:5,17

9879:11,16 9887:25 9903:25

9904:19 9910:6,24 9912:2

resulted 9825:25 9832:17,23

9915:9 9917:28 9918:9

9833:10,19 9834:11,16

results 9785:14 9786:9

9787:26 9788:2 9790:2

9793:19 9796:3.11.27

24 9806:21,26 9807:21

9802:26 9803:17 9804:4,16,

Index: red..results

9835:22 9842:27

resulting 9858:23

9859:1.8 9969:26

15

TRANSCRIPT OF PROCEEDINGS December 06, 2023 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

9809:6,9 9819:22 9826:7 9833:5,14 9834:3 9837:2 9848:21 9851:9 9853:14 9856:23 9858:11 9863:8 9880:20 9884:18 9890:17,28 9903:2 9914:9,22,23 9915:5 9916:2 9918:17 9919:27 9921:5 9922:6,8,10,13 9925:1,6 9947:4 9955:24 10009:12

resume 9935:28

retail 9795:28 9813:16 9816:21 9817:4,5,8,11 9818:11 9854:21,22,28 9855:3 9861:24 9939:3 9947:9

retail- 9968:5

retailers 9968:6

retails 9943:12

retard 9856:19

retire 9812:15

retired 9892:19

retirement 9975:9

return 9801:12 9805:16 9806:16 9812:7,9 9823:5 9853:15 9898:6 9907:7,8,22

returned 9907:20 9944:28

returns 9805:4,9 9810:25 9891:13

revenue 9951:2 10003:25 10004:12 10017:2

reverse 9961:13

review 9810:11 9845:27 9846:1,3,8 9893:12 9922:27

reviewed 9847:20

reviews 9959:28

revisions 9876:4

revolution 9869:8

rewriting 9782:28

Richmond 9994:16

right-hand 9794:22,24 9800:15 9804:3 9806:8 9849:26 9902:9,14 9905:12

rigorous 9793:15

rise 9867:10 9986:1

risk 9914:4,6 9942:1,3 9956:21 9958:28 10012:14, 15

risks 9896:25,26

River 9944:26 9973:28

road 9894:25,26 9932:24 9978:8 9980:13,14

roads 9950:3

Roanoke 9955:3 9985:14

role 9785:28 9786:10,13 10019:21

Romanette 9828:2,3,4,5

rope 9901:3

Rosenbaum 9782:24 9783:3 9820:21,22 9821:5 9822:19, 22 9823:1,8 9824:6,7 9827:3,15,23 9828:3,5,9,18, 25 9829:6,10 9832:4,5 9837:10,14,16,27 9838:6,17, 21,23 9839:23 9840:1 9854:6,7 9857:17,18 9860:2, 3 9861:2,3 9868:17 9916:17, 19,20 9918:25,26 9920:2,24 9922:16 9925:26,27 9926:11,12 9927:1 10019:27 10020:9,18,20,23,25 10021:11,16,25 10022:2,4,9, 17

Rosenbaum's 9861:13

rough 9845:14 9917:17 9918:9

roughly 9799:18 9812:2 9902:2,6 9991:18

rounded 9824:1

routes 9982:7 9995:5,7

routinely 9958:1,13

row 9831:27 9832:6,7,10,11 9909:14 10018:11,12,13,14

rows 9836:15 9992:10

rule 9995:28 9996:1

rules 9998:7

ruling 9926:13

run 9788:5 9793:20 9794:3, 19 9795:6 9798:9 9811:25 9841:4 9869:4 9880:22 9890:11 9914:22 9919:1,8, 17,20 9922:11 9923:2 9932:24 9933:26

running 9785:5 9791:15 9795:17 9819:11 9834:20 9872:28 9881:21 9906:3 9923:16,18 9924:8 9956:13 9975:18 10012:24 10018:12

runs 9786:9 9898:16 9903:2 9906:2

rural 9935:3 9939:13 9947:9

Ryan 10006:19

9948:21

S&p 9845:24 **S-C-O-T-T** 9783:15

S-H-O-C-K-E-Y 9930:1 9931:22

S-U-M-N-E-R-S 9782:19 10000:7

sales 9816:28 9817:8 9818:18 9829:23 9837:25 9850:5 9855:9 9881:22 9938:20,22,23,24 9939:1 9947:24 9955:11 9960:5,14, 16,25 9984:10 9985:21 9987:20 9988:14 10002:3 10003:28

salt-laden 9948:7

Samaritans 9975:12

Saputo 10002:10,16 10007:26 10014:25 10015:4, 5,24.27

SAS 9792:25

SBA 9957:2,6 scanner 9816:16

scary 9791:3

scenario 9797:5 9803:3,15, 24 9804:5,13,20 9806:19,28 9821:23 9825:19,20 9833:3, 23 9834:2,21 9835:26 9848:15,17 9858:15 9887:27 9899:13 9902:23 9905:6 9909:10 9917:3 9992:3

scenarios 9788:5 9790:24 9793:20 9796:9 9797:1 9801:21 9808:6,26 9811:26 9821:7,13 9848:19 9893:22 9894:11 9914:22 9919:1,9

schedule 9855:27

scheme 9974:18

school 9935:7 9937:5 9974:27 9975:26,27 9976:6 9977:5 9988:25 9994:27 10018:8 10020:8

schools 9934:28 9935:1 9937:3 9947:6 9994:26

science 9814:24,25 9915:20

scope 9818:5

Scott 9782:15,16 9783:15 9784:1 9790:21 seasonal 9988:19 seated 9930:25 Secretary 9983:28 section 9824:10 9826:11 seed 9948:26 segment 9901:7 9916:28 9938:15 Select 10006:20 sell 9890:6 9954:26 9955:5 0055:5 0050:5 0072:6 0.18

scratcher 9946:1

scrubbed 9788:8

scrutiny 9915:25

seaboard 9948:19

search 10003:17

searching 9854:26

9956:5 9969:5 9973:6,9,18 9982:27 9983:8,10,11,12 9985:26 9986:4,17,18,22,24 9987:2 10003:21 10007:25 10012:6

selling 9835:27

sells 9959:14

Senate 9785:10

Senator 9791:13

send 10018:7

sense 9799:24 9895:2 9920:3 9938:27 9945:25 9975:4,5 9977:22 9978:21 9984:12 9990:20 9993:4 10003:8 10021:14

sensitive 9869:28

sensitivity 9949:7

sentence 9826:15 9835:4,8 9887:11 9910:20 9937:27,28 9943:25 9946:25 9963:20 9967:13 10004:16 10008:12

sentences 9835:3

separate 9785:23 9822:25 9829:26 9847:9 9886:5 9939:27

separating 9802:6

September 9787:9,15 9812:18 9819:23 9822:2 9928:25

serve 9950:2 9995:3,6

served 9997:14

service 9790:13 9795:3,10 9882:3 9883:10,12 9896:5



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

TRANSCRIPT OF PROCEEDINGS December 06, 2023 NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

9916:6 9920:25 9934:26 9979:6,8 9994:9 9998:11 10013:23,25

Service's 10013:22

services 9937:4 9985:5 10015:9

SESSION 9782:1 9896:1

set 9790:24 9800:2 9822:1 9825:11 9829:24,25 9830:13 9845:8 9846:7 9848:8 9851:7 9854:15 9855:4 9863:11 9870:28 9881:16 9897:2 9918:20 9919:1,2 9922:14 10004:27 10010:26

setting 9818:1,12 9833:17 9898:25

settlement 9867:19

seventh 9992:14

severely 9938:22

shaded 9928:27

Shamrock 9973:11,21

- share 9786:8 9942:23 9945:17 9958:22 9975:2 9978:11
- shared 9958:21 9977:8

sharing 9942:14

Sharpsburg 9953:1,6

- Sharpsville 9941:17 9945:21,23,26,27 9953:5,6, 7,12 9955:16 9962:9,11 9980:4
- **shed** 9936:6 9944:24 9945:15 9980:25

sheds 9937:13,20

sheet 9972:28

shelf 9995:24

shift 9854:23 9900:14 9945:1

shifted 9854:27

- shifts 9860:15 9893:3 9899:3
- ship 9941:23,24 9942:9,12 9957:10 9968:20 9969:6 9990:10,15,26 9991:5,24,26 10006:23 10014:25 10015:12,23
- **shipped** 9942:13 9968:18 10002:3
- shipping 9948:24 9980:1 9990:27 10002:9 10004:21

ships 9782:18 9927:25

shock 9887:23 9890:18 9904:17

Shockey 9782:17,18 9894:26 9927:23,24 9930:1, 2,5 9931:19,21,26 9932:7, 19,23,25 9942:12 9943:17 9944:6,7 9946:4,26 9949:20 9951:13 9957:5,78,11,14,19 9962:21,22 9963:1 9964:26 9973:24,27 9974:7,15,17,22, 26 9975:4,7,19,24 9976:14, 18,22 9977:1,15 9978:2,14, 21,24 9979:1,4,15,22,25 9980:10 9981:3,22 9996:14

Shockey's 9963:19

Shockey-002 9930:8 9946:22,27

Shockey-1 9966:5

Shockey-2 9966:10

shocks 9891:4,5

shoot 9960:27

short 9794:3 9795:6 9859:25 9937:8 9938:3 10005:3

short-run 9794:14,15 9888:19,22 9889:6

short-term 9798:2 9816:22 9847:17 9867:10

shortages 9942:26 9943:28

shorted 9937:10

shorten 9899:20,23

shortened 9861:14 9869:15

shorter 9818:15 9948:20 9995:24

shortly 9783:2

shot 9894:5

show 9796:4,5,9 9802:26 9804:4 9807:4 9818:16,17 9822:28 9857:25 9866:8,13 9879:3 9882:21 9903:2 9910:6 9999:12

showed 9832:21 10011:26

showing 9858:16 9901:20 9905:3 9906:19 9930:11

shown 9824:26 9832:9 9834:7 9835:20 9841:5 9844:25 9845:10 9847:1 9868:13 9940:19

shows 9802:1 9831:24 9833:22 9836:23 9858:2,26 9865:16 9940:3,16 shrinks 9938:15

shrunk 9939:17

sic 9824:9,11,14 9953:1 9979:19

side 9792:19,22 9793:21,22, 25 9794:1,22 9795:11,13,25, 26 9800:12,15,19 9802:22 9804:3 9806:6,7,9,24 9811:13 9817:2,6 9849:26 9853:25 9859:17 9863:25 9870:26 9872:26 9874:27 985:26,28 9886:4,19 988:23 9891:12,20 9900:25 9902:7,9 9905:8,12 9914:26 9921:17 9983:3 9989:24,25 99994:17

sides 9900:17 10003:3

sideways 9891:15

significant 9856:19 9879:12 9954:27

significantly 9861:14 9908:13

silent 9970:12

similar 9786:10 9791:26 9795:2,5,8 9798:10 9818:27 9819:26 9880:28 9905:23 9916:12,13 9930:9 9935:18 9999:19

simple 9792:14 9793:14 9799:16 9807:26 9833:7 9855:3 9874:3 9904:11 9910:27

simplification 9792:28 9867:23 9892:26

simplified 9881:24

simply 9825:6,9 9829:20 9830:6 9836:11 9837:19,21 9841:4 9853:8 9861:17 9941:20

simulate 9792:26

simulating 9810:25

simulation 9811:25

simultaneity 9909:25

simultaneous 9854:25

single 9795:27 9807:1 9866:17 9867:13 9896:19,21 9897:8 9898:2 9902:4 9904:15

sir 9951:11

sit 9785:27 9817:27 9925:4 9938:18 9958:5 9959:28 9974:27 9990:24 sitting 9876:18 9906:14 9916:3 9924:12

situation 9791:3 9798:4 9805:9 9806:15 9816:23 9848:7 9852:6 9857:1 9858:12 9885:10 9924:14 9958:25 9967:21 9984:18 10006:2

situations 9967:17

sixth 9964:21

size 9936:4 10015:15

- skim 9787:10 9795:16 9801:13,16 9806:17 9808:3 9849:24,27 9850:15 9862:9, 11 9886:7 9908:18
- **skip** 9804:8 9835:3 10021:23

skipped 9801:24

- **Sleper** 9918:14 9924:18
- slide 9796:28 9804:9,27 9806:17 9808:22 9888:14 9892:8 9901:18 9903:22 9904:21 9905:5,14 9907:12 9908:14,19,27
- **slides** 9801:25 9882:7,11 9896:11,14

slight 9802:21 9858:23 9875:25

slightly 9803:11 9851:4 9854:22 9858:10,15,19 9911:7 9968:6

slow 9793:10 9794:4,7 9921:7 9939:1 9943:3 9949:18 9960:25

slowly 9794:6 9824:5 9832:1

slows 9959:26 9960:28

small 9794:16 9802:5 9858:4 9879:10 9893:1 9900:10,11 9934:2 9937:22 9957:2,5 9975:2 10001:27 10005:21,24 10009:28 10014:6 10017:20,26

smaller 9813:17 9936:4 9938:17 9995:4,7

smart 9948:16

Smith 9869:23,26 9876:7 9881:26 9884:21

smooth 9914:25

snowstorm 9997:28

soccer 9979:27

soft 9814:23 9915:20



NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

software 9838:3

sold 9862:18 10002:4 10003:19

solids 9795:16 9806:18 9808:3 9849:24,27 9850:16 9862:4,10,11,15,17 9886:2,7 9908:18

solution 9961:9 10004:1

solve 10008:6

solved 9828:17

song 9950:3

sort 9835:27 9845:20 9874:6 9912:1 9929:7

sorted 9901:26 9902:25

sound 9813:1,2 9942:10 9984:5

Sounded 9988:18

sounds 9931:6 9981:18 10001:8 10014:15

sources 9817:1 9837:12 9947:9

south 9888:25 9928:28 9929:9,23 9934:20 9937:6 9950:22,28 9955:5,9,22 9957:10 9974:1 9978:5 9982:23 9983:12 9994:13

southeast 9955:21 9956:10 9961:26 10003:27 10008:25 10011:7 10016:28

southern 9794:14,25 9946:10 10002:3

Southwest 9937:7 9955:6

Southwestern 9934:19

soy 9938:21

soybean 9870:22

speak 9782:24 9883:19 9884:24 9931:9 10014:18

speaker 9794:10

speaking 9898:28 9955:8 9969:1

special 10005:8

specialization 9786:17

specific 9821:19 9844:1 9846:20 9910:10 9985:6

specifically 9842:10,20 9860:20 9940:7 9944:14 9986:9,27

specification 9861:22

specifications 9868:24,25 9899:20

specifics 9983:13 10006:27

spectrum 9897:6

spell 9783:14 9931:13,20 9934:9 9946:3 9980:11 9999:27 10000:6

Spelled 10020:22

spelling 9973:19

spend 9793:18 9899:19 9908:25 10004:1 spent 9785:9 9793:11

9951:22,26 spot 10003:17

spread 9803:6

spreadsheet 9792:24 9838:5,6 9929:18

Springfield 9941:9 9946:2,5 9955:18

squarely 9950:12

squares 9795:28

squeezed 9961:25

staff 9785:10 9790:20,28 9795:3 9799:27,28 9841:19 9916:8

stage 9811:11

staggering 9988:14

stake 9934:24

stakeholders 9796:21 9797:28 9798:9 9922:28

Stallings 10003:11

stand 9784:28 9827:16 9828:5 9900:8 9921:11 9930:25 9931:25 9989:18 9992:11 9999:25 10005:4

standard 9814:20 10005:8 10008:17

standards 10005:13

standpoint 9800:19 9906:25

staple 9943:12

Staples 9939:8

Star 10002:10

stars 9928:28

start 9783:8 9784:15,16 9790:7 9793:20 9796:17 9801:25 9802:9 9803:17 9804:24 9808:18 9818:19 9820:26 9823:9 9829:18 9834:12 9837:17 9843:18 9844:15,17 9857:7 9858:28 9860:2 9863:15 9872:11 9884:6 9894:16 9904:17 9905:11 9914:17 9922:20,23 9931:12 9946:25 9951:18 9963:12 9967:2 9979:15 10004:16 10019:28

started 9790:14 9791:12 9797:5 9799:26 9893:13 9918:12 9933:23 9934:2 10001:21 10002:8 10008:26 10012:11

starting 9841:3,10 9842:4 9844:22 9870:12 9910:17 9928:4 9993:28 10003:24

starts 9904:22

state 9783:13 9784:21 9793:24,27 9821:6 9875:1,8, 12,14,17 9877:16,20 9878:4, 5,11 9881:5,15,18 9885:4,7, 15,25 9886:24 9931:12,19, 27 9944:18,20,21 9946:14 9947:18 9948:10,23 9949:2, 26 9950:23 9962:17,23 9974:2 9977:10,17,20,23 9978:9 9979:27 9980:19 9986:12 9989:24,25 9994:8 10000:6

state's 9875:8 9885:2 9977:16

state-by-state 9886:20

state-level 9792:19 9793:21 9863:24 9884:21

state-run 9874:28

stated 9819:8,10 9950:28

statement 9786:28 9788:13, 25 9789:20,26 9833:16,20, 25 9834:26 9850:4 9862:4, 22 9866:26 9878:26 9887:3 9910:19 9932:20 9933:17 9940:13 9942:18,20 9943:17 9963:19 9980:2 9981:11,13, 28 9984:4 9998:26 9999:3 10001:14 10006:23 10010:20 10019:24 10021:26

statements 9894:17 9930:21

states 9793:25 9794:14,25 9840:20 9877:18,22 9881:6, 7,9 9884:26,28 9885:10 9888:25 9934:14 9935:9 9944:11 9949:1,15,23,25 9955:5 9976:5 9983:3

statewide 9945:6

TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

statistical 9792:25 9870:6 9877:8 9880:25 statistically 9899:22

statistics 9799:4

status 9863:8

stay 9810:2 9897:3 9975:23 9992:6

December 06, 2023

stayed 10011:1

stays 9875:15 9959:20

step 9818:27 9854:16 9909:23 9927:14 9947:5 9998:15

Stephenson 10021:1,9

stepping 9914:19

Steve 9783:3 9916:20

Steven 9820:22

stochastic 9798:24 9799:15, 27 9805:6,13 9846:14,16,17, 25,27 9847:2,4,5,9,23 9848:1 9870:16 9872:7,15 9873:19 9874:4,10,14 9882:5 9896:15 9897:12 9898:15 9901:19 9902:27 9903:5,6 9923:7

stochastically 9801:15 9888:3 9896:23 9898:26

stochastics 9799:26 9800:8 9871:3

stock 9948:26

stones 9915:21

stop 9905:26

stopping 9984:1

stops 9995:5 9996:9

store 9947:12

stores 9934:28 9947:8 9972:18

story 9908:6

straight 9841:16 9900:9 9901:9

straighter 9948:20

straits 9890:3

Street 9932:17

9915:8 9978:8

strategic 9948:16 streams 9870:27

strengthen 9946:15

stress 9936:28 9939:22

stretch 9820:12 9894:24

Index: software..stretch

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

strictly 9934:23

strike 9831:3 9841:28 9843:6 9850:11 9919:16 9959:10

strong 9853:19 9947:2 stronger 9845:4

•

struck 9858:1

structural 9810:24 9874:23 9884:8,10 9900:14

structurally 9795:5

structure 9859:8 9860:11 9864:4 9874:28 9884:14,15 9889:21,24 9900:6 9936:15, 20 9989:2

structured 9875:3

- struggle 9846:24,28 9871:3 9991:22
- studies 9814:15 9815:9,21 9860:13 9917:8,12

study 9788:2 9844:15 9915:24 9917:4,16 9940:22

studying 10001:20

stuff 10009:27

- subject 9824:21 9838:15,18 9856:4 9857:3 9930:22 10004:4
- subjective 9903:6 9924:20

submitted 9782:26 9821:25 9822:8 9927:27

subsequent 9908:22

- subset 9817:6 9818:23
- subsidize 10009:4 10011:22

substantial 9917:7

substantially 9843:24

substituted 9999:3

sudden 9900:10 9917:1

suffer 9939:5

suffered 10018:17

Sugarcreek 9945:16,22 9946:6 9980:3,9

sugary 9948:6

suggest 9805:14,16 9852:9, 27 9857:1 9921:21

suggested 9913:21

suggesting 9918:6

suggestion 9919:26

suggests 9832:26

suit 9939:9

suitable 10017:22

sum 9990:2

summarize 9789:25 9790:2 9799:10 9900:19 9981:4

summarizes 9808:13

summarizing 9799:23

summary 9808:19,25 9809:6 9831:22 9875:20 9876:25 9942:17

summer 9988:24

Sumners 9782:19,27 9894:24 9998:25 9999:4,20, 25 10000:3,7,14,22 10001:14,16 10005:17 10006:14,17 10019:4,7

super 9994:23

supermarkets 9934:27 9955:6 9994:28

supplement 9936:5

supplied 9910:16 9935:15

supplier 9942:12 10003:23

suppliers 9856:6

supplies 9803:12 9804:18 9808:9 9809:20 9855:21 9867:1 9886:19 9891:17 9897:7,8 9904:9 9909:20,25 9942:28

supply 9792:19 9793:21 9794:1 9795:25 9802:13,14, 22 9806:24 9807:16 9810:1, 2 9817:3 9854:27 9857:22 9859:17 9863:25 9874:27,28 9875:16,22 9879:14 9885:25 9886:19 9888:23 9889:18,27 9890:12,13 9891:12,19 9892:28 9893:2 9899:16 9900:7,8,11,25 9909:19 9915:14,16 9936:1,7 9943:1 9944:10 9945:8,18 9950:25 9967:23 9968:9,13 9971:9 9972:17 9978:28 9980:28 9981:1,16,17 9989:22,23 9990:4,7 10003:9,27 10004:3 10008:24 10009:4, 21.24 10010:1.3 10011:8.22 24 10015:3 10016:10 10018:2,5

supply's 10009:24

support 9789:20 9942:25 9943:27 10003:22 10008:27 10010:2,3,21 10012:5,12 10017:18 10018:9 supported 10009:20 supporting 10009:24

suppose 9917:3

supposed 9967:9 10012:24

surcharge 9957:26 9969:23

surcharges 9969:20

surface 9801:20 10010:22 10011:3

surfaces 10010:28

surrounding 9940:6 9941:11

survey 9824:11,14 9921:19, 21

survive 9938:15 9939:19 9956:18,22

survived 9956:12

suspect 9864:26

swan 9900:3,13

swear 9783:25 9930:28 9931:11 9932:1 10000:4,13

swim 9891:15

swing 9954:22

swings 9900:11 9982:25

switch 9837:9 9848:28 10002:7

switched 9837:28 10002:4

switching 9858:24

sworn 9784:2 9932:5,8 10000:15

symbol 9827:21

sympathetic 9886:28

synonymous 9950:4

system 9791:25 9811:7 9817:25 9823:20 9833:7 9842:27 9851:2 9854:15 9878:23 9884:17 9887:22,26 9901:13 9909:22 9936:21 9937:11,15 9944:13 9967:7, 21,24 9980:21 9991:1 9992:28 10003:2 10004:7 10016:27

systemwide 9801:27

т

T-CREDITS 10017:1

TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

T-R-I-H-O-P-E 10000:1

table 9801:28 9802:1,2 9807:4,28 9832:25 9834:18 9836:19,23 9844:11 9845:10 9846:7,15,16 9847:1,6 9858:1,26 9859:12 9860:4 9867:8 9871:24 9875:21 9876:25 9878:25 9888:15,23 9891:27 9904:7 9910:28

December 06, 2023

tables 9846:26 9921:5

tail 9800:13,15 9803:28 9804:2,3 9805:15 9897:21 9898:22 9902:8,14

tails 9800:11,12 9902:11,12, 15 9906:4,19

takeaway 9809:8

taker 9855:20

takes 9865:21 9978:13,27

taking 9796:19 9805:3 9810:21 9815:8 9816:27 9817:13 9834:20 9889:1 9906:18 9937:16 9950:28

talk 9794:6 9798:5,19 9799:1 9802:26 9806:19 9807:12 9810:6,16 9812:5 9834:28 9838:24 9842:16 9843:25 9856:7 9870:26 9884:7,22 9885:27 9886:19 9899:9 9901:22 9903:23 9904:1,23 9905:16 9911:23 9914:4 9915:4 9923:6 9959:27 9976:24 9985:5 9987:25 9989:10 9991:10,13 9993:28 10000:4,9 10009:22 10011:24

talked 9792:4 9797:8,12 9884:20 9886:9 9888:17 9908:9 9915:3 9922:16 9987:23 9988:18,27

talking 9784:9,15 9790:7 9795:21 9804:4,21 9806:4, 26 9808:10 9813:11 9819:9 9833:2 9834:28 9850:1 9855:13 9856:26 9881:13 9885:19 9887:3 9897:10 9905:14 9970:28 9978:16 9981:12 9989:14 9992:27 10015:23 10017:7.28

tandem 10019:20

target 9950:14

targets 9942:23

taste 9873:12

TAYLOR 9882:18,25 9883:5, 14 9887:9,10 9894:8,19 9896:8 9916:15 9921:2,8,9, 27 9979:10 9983:25 9984:4, 7,22 9994:24 9996:11

Index: strictly..TAYLOR



NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

December 06, 2023

top 9807:6 9834:2 9862:22

9991:1 9992:8,13 10008:1,

topic 9837:9 9848:28 9884:5

total 9811:7,15 9813:24

9814:12 9815:22 9817:3

9818:26 9855:27 9861:23

9868:22 9876:13 9879:19

totality 9814:15,17 9884:16

tough 9891:14,18 9892:16

toughest 9885:22,23 9992:2

9882:5 9907:14 9909:14

22

9992.6

9880:22

totally 9988:1

totals 9880:12

town 10001:17

tradeoff 9860:8

tradeoffs 9860:11

traditional 10016:9

traditionally 9796:15

9967:20 10017:20

trailer 9996:8

trained 9977:2

trajectory 9949:9

9813:20 9934:8,9

transition 9974:27

translated 9836:11

translates 9878:3

translating 9881:4

translation 9875:14

10016:18

10017:23

10013:3

transparency 10004:24

transportation 9974:21

travel 9947:7 9950:22

9980:22 9995:18

traveling 9980:21

9991:2,6 10005:2 10008:4

translate 9893:2

transcript 9801:1 9808:22

tractor-trailer 9996:5

trade 9797:16 9888:6

9892:23 9960:28 9961:4

topics 9858:24

10014:2 10019:5 10020:8

team 9848:26

techniques 9848:1

telling 9836:24 10001:26

- tells 9902:1 9906:21 9907:5
- ten 9792:1,10 9799:20 9805:12 9902:4 9906:11 9917:17 9974:8 9988:5 10002:21

ten-plus 9946:14

ten-year 9796:16

tend 9795:27,28 9806:25 9856:24 9863:8 9873:4 9891:8 9903:19 9915:11 9916:13 9922:27 9968:26

tended 9898:8 9905:17 9912:28

Tennessee 9929:9 9994:9, 10 10001:17,21

term 9827:11,16,17,27 9861:25,27 9873:14,15 9950:4

terms 9787:7,11 9793:10 9794:2,17 9795:8 9798:12 9809:15 9811:9 9858:24 9859:26 9860:12,17 9873:4, 7 9878:9 9881:1 9883:26 9893:26 9901:22 9902:21 9903:8 9909:24 9910:27 9914:28 9962:2 9997:6

terrain 9990:12

terrible 9975:10

territory 9970:20 9971:15

test 9931:3 10000:5

testified 9783:22 9784:3 9812:27 9840:10 9861:17 9931:16 9932:6,9 9958:10, 15 10000:11,16 10002:22 10005:21

testify 9883:21 9894:13 9930:26,27

testifying 9944:8

testimony 9782:26 9784:10 9786:26 9787:5 9808:14,18 9815:25,27 9821:13 9823:13 9825:15 9832:14,28 9833:8 9840:6 9841:3,18 9842:21 9844:26 9845:28 9847:1 9862:3 9874:21 9879:14 9882:12 9883:2 9884:6 9888:16,24 9896:13 9899:1 9904:2,7 9905:16 9911:22 9928:19 9930:2 9933:6 9941:14 9951:7,15 9954:24 9956:25 9958:1 9961:18 9962:8 9970:2 9976:24 9977:8,25 9978:1 9979:14 9981:5 9983:14 9984:20 9986:11 9996:12 10005:27 10019:4 10020:2 10021:13, 17 10022:11

testing 9931:7 10015:9

Texas 10002:6

text 9791:10 9896:12

theory 9995:2

thing 9814:12 9848:9 9880:13 9903:16 9919:16 9943:2 9962:18 9971:16 9986:7 9994:5 10003:14 10009:3,11

things 9791:1 9797:22 9798:28 9814:25 9840:27 9848:11 9851:18,28 9853:21 9867:24 9870:26 9871:18,19 9878:12 9884:3 9886:4,12, 13 9887:16 9890:27 9893:17 9895:3 9897:22 9899:12 9903:7,9 9906:16,23 9911:26 9912:4,19 9916:12 9917:21 9919:18 9960:23 9974:18 9988:13 10004:22 10013:6

thinking 9787:22 9793:11 9894:21 9914:17,28 9960:17

thinks 10003:7

thinned 9975:21

thought 9796:24 9805:23 9847:7,8 9890:16 9911:25 9913:5,23 9918:25 9924:15 9937:16 9947:25 9971:23 9997:4,5 9998:12 10012:27

thoughts 9942:15

thousand 9948:14

thousands 10017:22

threaten 9942:7

throw 9915:21

thumb 9996:1

tied 10007:7

tier-priced 9960:11

tight 9936:8 9943:1 10010:13

time 9782:23 9783:8 9785:9 9786:14 9790:19 9793:6,8, 11,15,18 9795:23 9797:22 9807:18,24 9808:9 9809:24 9812:4,18 9813:3,18

9817:21 9818:5,27 9820:4 9823:2 9825:26 9826:10 9831:26 9832:9,18,24 9833:11,19 9834:17 9835:21 9836:17 9841:12 9842:17 9845:25 9859:21 9860:6,16, 17 9861:2,16 9862:12 9868:24 9869:15,18 9871:21,22 9872:3 9875:5 9879:5 9885:22 9887:21 9889:9 9890:20 9891:5 9893:3 9894:20,21 9895:5 9897:28 9898:11 9899:7,19 9903:14,17 9908:5 9910:2 9911:5 9914:14,25 9915:25 9916:15 9918:16,21 9920:22 9924:28 9925:24 9926:21 9937:19 9938:5 9947:15 9959.3 9960.16 9962.1.27 9963:3 9975:24 9979:3 9980:11,18 9984:16 9986:8 9987:9 9991:21 9995:27 9996:6,23 10006:5 10009:1 10010:7 10017:5 10018:7,20 10019:3.18 10021:11 timeframe 9857:26

times 9792:14 9827:10 9831:18,26 9872:27 9874:15 9886:18 9891:14,18 9892:25 9898:3,5 9900:2 9905:22 9911:18 9937:7 9938:1,2 9960:26 9969:13

tip 9994:9

tired 9806:2 9817:13

tobacco 9948:5

today 9782:22 9783:8,10 9784:8 9785:27 9786:4 9793:1 9798:20 9799:13,20 9808:28 9814:2 9816:16,26 9817:27 9821:13,24 9834:11 9847:14 9876:5 9883:17 9885:18 9889:24 9892:18 9894:28 9900:18 9906:14 9916:2,15 9921:16 9925:4 9933:6 9942:14 9944:8 9951:7 9967:24 9978:19,25 9979:13 10005:13 10014:5 10019:4,23,26

told 9791:4 9865:20 9937:23 9958:8 9975:1

tolls 9978:7

Tom 9791:13 10003:10

tomorrow 9783:9 9894:25 10019:28 10020:3 10021:8, 12 10022:27

tonight 10020:6,7 10022:28

tool 9892:18

Index: team..travels

travels 10002:16 10005:7



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

treat 10005:10

treated 9977:14 10005:8 10017:14 10018:24 10019:1

treating 10018:25,26

trend 9861:25,27 9862:7,14

trends 9870:24 9943:4

trigger 9800:2 9949:5

triggered 9898:25

triggers 9948:16

Trihope 9999:5,26,28 10001:19 10006:8 10019:11

trouble 9892:24

troubling 9867:22

truck 10013:15

trucks 9935:3 9980:20

true 9899:16 9970:7,10 9974:10 9993:12 10010:17 10019:2

trusted 9946:13

tuned 9951:19

turmoil 9942:11

turn 9782:21 9809:4 9823:12 9824:28 9847:22 9850:20 9857:20 9865:1 9883:1,9 9888:14 9892:8 9896:11 9903:21 9904:20 9905:5 9908:14 9911:27 9939:10 9981:24 9992:7 10013:23

turned 9798:16 9848:12 9923:25

turning 9886:8 9912:5 9935:25 9987:22

Turnpike 9978:8

turns 9796:15

Tuscarawas 9980:10

two-letter 9793:24

types 9816:12

typically 9936:11 9950:21 9951:1 9981:4 9985:18 9995:25

typos 9783:1

U

U.S. 9795:6 9797:23,25 9798:1 9802:27 9803:10,19 9804:21 9806:22,27 9807:12,28 9808:5,8,10 9824:11,14 9839:13 9840:3

9843:22 9845:2 9846:10 9847:10 9857:22 9877:20,23 9880:6 9882:5 9887:11,18, 19,23 9888:7,8 9909:9 9911:3 9922:17 9945:3

Uh-huh 9886:28 9984:15 10016:7

UHT 9934:22 9995:23

ultimate 9852:23 9867:9 9889:9 9917:23 9918:3

ultimately 9811:10 9812:8 9842:27 9855:7 9866:7 9877:20 9878:3 9881:15 9885:7,25 9936:26 9937:3

unable 9853:9 9855:14 9958:1

uncertainties 9896:25,27

uncommon 9947:13

uncompetitive 9941:21 9991:18

under- 9863:5

underestimated 9913:12

undergo 9846:2

underlie 9919:27

underlying 9863:7 9884:15

underneath 9859:11

understand 9785:11 9787:18 9799:12 9811:7 9814:11 9827:11,25 9846:26 9850:4 9852:21 9866:10,14 9867:25 9868:3 9869:10 9870:8 9879:2 9882:2 9883:26 9901:14 9908:4,26 9911:19 9941:27 9983:7 9984:26 9992:25 9998:7 10005:13 10015:27 10016:14,27 10017:8

understanding 9816:6 9824:19,22 9863:5 9925:5 9986:15 9987:13 10003:12

understands 10003:6

understood 9805:22 9838:22 9912:10

undo 9891:24

undue 9943:9

unfair 9940:25 9947:16

unfairly 9942:24

unfavorable 9925:2

unfolds 9919:20

unhelpfully 9955:15,18,21

unhook 9996:8

uniform 9870:6 9877:8 9880:26 9881:4

unintended 9944:12

union 9939:21

unions 9959:7

Uniontown 9934:5 9935:21 9941:15 9953:20 9985:11 9986:4 9987:20 9992:23 9994:19

unique 9873:1 9944:11 9949:13,20 9961:7 9977:16 9981:7

uniqueness 9950:23

unit 9938:17 9960:19

United 9782:18,19 9927:24, 25 9928:16,23 9929:5,27 9932:26 9933:8,20 9934:25 9936:11,21 9937:4 9938:14 9939:14,18 9940:18,20,23 9941:20 9942:9,27 9943:9 9944:11 9945:8,9,14,22 9946:7,23 9957:9 9962:28 9963:9 9966:2,3 9980:4 9993:13

United's 9941:6

United-004 9929:17

units 9935:15 9974:28

University 9784:12,21,27 9785:19 9786:1,3 9796:14 9821:9 9842:23 9931:27 9933:21,24 9944:18

unlike 9977:19

unnecessary 9944:12

unprecedented 9944:15

unprofitable 9991:20

unregulated 9885:11 10003:17

unrelated 10003:20

unsustainable 9956:21

unusual 9997:28

update 9808:3 9813:5 9814:2 9845:5 9847:15 9848:7 9859:23

updated 9822:3 9924:7,25 9947:14

updating 9796:19 9801:16 9806:17 9908:18

uploaded 10021:6,8

TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900 **upper** 9794:24 9805:8 9865:25,27

December 06, 2023

upsetting 9959:11

USDA 9782:9 9790:10,13 9791:23 9819:23 9822:21 9825:1 9837:28 9869:17 9875:26 9876:3 9883:24 9886:26 9894:15 9917:5 9926:5,8 9935:8,10,14,15 9947:2 9952:7 9961:10 9962:2,3 9981:8 9983:27 9997:5 9999:2 10003:2,3,10 10005:3 10016:11 10021:4

USDA's 9795:3 9796:4 9876:4 9926:9

USDSS 9862:28 9864:5

UT 9992:10,21

utilization 9865:26,27 9878:3 9881:3

utilizations 9871:6,22

utilize 9839:3

utilized 9838:3

v

V-E-R-O-N-A 9973:21

Valley 9944:26 9973:28

values 10003:20 10010:18

variability 9906:12,18,22

variable 9861:28 9889:5,6, 11 9903:10 variables 9794:18 9799:19

9815:11 9870:28 9873:2,23

9889:1 9896:22 9911:11,12

variance 9961:19

variety 9840:14

vegetables 9947:13

verbatim 9823:22

Verona 9973:12,21

varies 9988:8,10,12,13

vary 9936:3 9988:12,16,17

version 9788:20 9789:1,2

versus 9830:28 9831:13

9795:22 9812:25 9869:16

9876:16 9887:20 9897:23

9905:3 9906:10 9908:10

9992:15,22,23

vertical 9799:9

9833:15 9836:13,21 9860:10

9929:19 9953:22,23 9956:20

Index: treat..vertical

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

vessels 9948:26 vet 9974:26 9975:27 9976:6

veterinarian 9944:17 9975:1 9977:2

Veterinary 9931:26 9944:19

vetting 9845:22

viability 9942:7 9943:6

vibrant 9981:21

view 9822:15 9920:10

views 10004:26

Virginia 9928:27 9929:22 9934:5,18,20 9935:20 9937:7 9940:28 9941:1 9944:21 9945:4,18 9946:9, 12,14,16,17 9947:1,5,25 9948:2,10,18,22 9949:13,21, 24 9950:1,3,5,13 9951:4,19 9952:2 9955:3,6,14 9961:25 9962:23 9969:5,6,8 9970:17, 18 9972:19,22,24,26 9974:1, 2,10 9977:18 9978:8,9 9980:18,23 9981:18 9985:27 9986:11,18,19,24,28 9987:2, 3,5,17,20 9994:15

visit 9948:2

Vitaliano 9918:14 9924:18 9954:16

voice 9931:6 9951:24 9970:11

volatile 9898:11 9904:27 9906:16 9913:16

volatility 9798:19,22 9799:13,14 9805:5 9897:27 9898:7,9,28 9899:3 9900:1, 20 9901:10,15,17 9906:18 9912:28

volume 9862:14 9876:16 9933:11 9956:16 9960:20

volume's 9971:17

volumes 9991:23

voluntarily 9867:17

wage 9852:2

wait 9832:1 9970:11 9998:28 10022:27waiting 9894:13 9963:7

w

walk 9901:19 9961:28

wall 10013:6

wanted 9787:21 9807:9 9838:15 9842:14 9889:17 9891:28 9903:21 9905:9 9908:25 9909:6 9911:8,21, 23 9912:6 9914:7 9963:23 9980:6 9984:8 9985:3 9989:10 9990:15 9993:18 9995:11

War 9944:28

washed 9891:21

Washington 9977:19

waste 9961:4,6 9962:1 water 9868:20 9948:24

ways 9791:26 9802:18 9815:2,6 9816:17 9870:19 9874:11 9914:17,24 9915:10 9947:23 9969:2

weak 9873:26

weather 9798:26 9872:19, 22,24 9892:21

website 9847:25 9969:28 9970:6,16

Wednesday 9782:1,4 9896:1

week 9818:18 9864:12 9954:16 9955:9,10

weekly 9816:9,19,20,24,27 9818:11,14,15,20

weeks 9975:10

weigh 9951:14

weighted 9824:3,8 9830:3,7, 9 9831:13,14,15 9834:2 9877:21 9885:6

west 9865:18 9928:26 9929:22 9934:5,18 9935:19 9937:7 9940:27 9941:1 9944:21 9945:4,18 9946:9, 12,14,16,28 9947:5,25 9948:2,10,18,22 9949:13,20, 24 9950:1,3,5,13 9951:1,3, 18 9952:2 9955:14,18 9956:9 9961:25,26 9962:23 9970:17 9974:1,2,9 9977:18 9978:7 9980:18,22 9981:18 9983:3 9989:23

Western 9934:18,19 9941:16 9970:17 9972:22

Wheeling 9949:16,23

whey 9801:8

white 9814:26

Whoa 9983:24

wholesale 9802:16 9803:13 9807:15 9850:10 9855:3

9856:14 9862:5 9863:10 9881:13,17 9904:10 9921:6

wide 9873:20 9913:25

wider 9800:8

wife 9944:20

Williams 10001:21 10002:2

win 9979:26

Winchester 9972:4,7,19,24, 25,26

winners 9947:18 9951:8 9977:9 10002:25 10010:18 10012:22 10018:26

wins 10013:14,15

Winston-salem 9990:16

winter 9947:7

witnesses 9782:12,14 9783:5 9894:12 9895:1 9927:22 9966:20

won 9975:27

wondered 9884:24 9991:15

wonderful 9895:5 9930:6 9997:9 10003:10

wondering 9884:9 9886:11 9894:9 9896:15 9899:8 9901:18 9905:1 9910:11 9913:5 9915:4 9922:19 9976:27 10016:21

Wood 9933:27

word 9848:22 9915:7 9937:26 9938:6 9943:19,24 9964:27 9968:17

words 9959:11

work 9785:5,24,26,28 9786:3 9787:8,19 9789:21, 26 9790:14,27 9791:19,24 9792:3.5.6 9793:6 9796:12. 18 9797:4 9810:16,19,21,26 9811:12,27 9812:4,5,11 9813:15 9814:5,8,23 9815:20 9817:23,26 9819:28 9821:7,12 9822:4,12 9841:14 9842:6,10,19,22,25 9843:24 9846:25 9848:15, 17,27 9881:7 9892:3 9898:3 9899:25.26 9901:1 9906:11 9918:12 9919:24 9936:6 9937:17 9950:24 9964:3 9969:12 9988:26 10003:1,2 10004:27 10005:7 10010:18

worked 9813:5 9933:21 9937:17

working 9785:9 9790:12

9791:1 9792:18 9814:26 9815:16 9859:4 9870:15 9881:14 9898:22 9903:8 10001:21

December 06, 2023

works 9790:24 9824:23 9826:28 9887:15 9897:6 9898:11 9931:4 9937:11 9986:15

world 9814:24 9845:24 9855:10 9887:5,6,12,20,24, 28 9888:6 9915:20 9917:9 9944:28 10018:11

worry 9899:18

worse 9900:28 10004:10

worthy 9917:13

write 9785:10 9999:11 10016:17

writing 9786:12 10015:14

written 9786:28 9788:13 9789:20,26 9792:8 9823:12 9825:15 9833:24 9834:28 9836:6 9844:11 9847:1 9857:19 9858:25 9888:24 9904:2,7,22 9905:16 9933:16 9978:3 10021:17,26 10022:11

wrong 9827:18 9847:8,12 9893:15 9903:17 9916:10

wrote 9892:10,14 9979:18 10004:16

Y

yardstick 9848:18 9893:21

year 9793:6 9794:17,27 9796:16,17 9797:4 9798:8, 17 9799:21 9802:13 9803:10,13 9806:21,23 9807:12 9839:12 9857:25,26 9858:17 9866:17 9867:13 9869:1,3,7 9872:13 9875:24 9888:26 9889:12,13 9890:19 9896:18,21 9903:26 9914:10,23 9924:2 9935:3 9938:16 9946:14 9958:6,7 9960:1,15

years 9792:1,10 9799:20 9802:23 9805:13 9810:20 9811:28 9812:2 9815:17 9837:24,25 9844:22 9858:3, 17 9869:7 9904:28 9905:7 9906:6,12 9917:18 9933:22 9935:12,14 9936:17 9937:18 9938:16,20 9939:16,17 9941:5 9942:14 9948:8 9950:19 9956:12,13,14 9960:12 9974:26 9975:16,20



TALTY COURT REPORTERS, INC. taltys.com - 408.244.1900

Index: vessels..years

NATIONAL FEDERAL MILK MARKETING ORDER PRICING FORMULA HEARING

9988:5 10001:23,25 10002:5 10009:11 10013:4 10017:19, 24

yell 10014:19

yelling 10014:19

yesterday 9911:15 9958:10 10012:26 10013:3 10021:19

yield 9792:14

yields 9793:28 9794:26 9795:8 9857:22,25 9858:2,7, 13,15,18,22,23 9872:24

York 9977:17

young 9975:25 9980:12 10012:9

younger 9944:25

Ζ

Zanesville 9985:9,13

zip 9947:18

