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VOLUME V

BEFORE THE SECRETARY OF
THE UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICES

In the Matter of Proposed) Docket Numbers
Amendments to Tentative) A0-14-A74, et al.,
Marketing Agreements) DA-06-01
and Orders.)

National Public Hearing
Thursday, September 14, 2006
8:36 o'clock a.m.
Holiday Inn Select
15471 Royalton Road
Strongsville, Ohio 44136

BEFORE:

JUDGE VICTOR W. PALMER
US ADMINISTRATIVE LAW JUDGE
UNITED STATES DEPARTMENT OF AGRICULTURE

1 APPEARANCES:

2 On Behalf of the United States Department of
3 Agriculture:

4 US DEPARTMENT OF AGRICULTURE
5 OFFICE OF THE GENERAL COUNSEL
6 MARKETING DIVISION

7 BY: Sharlene Deskins, General Counsel
8 1400 Independence Avenue Southwest
9 Room 2343, South Building
10 Washington, D.C. 20250

11 and US DEPARTMENT OF AGRICULTURE
12 AGRICULTURAL MARKETING SERVICE
13 DAIRY PROGRAMS

14 BY: Jack Rower, Marketing Specialist
15 Gary Jablonski, Marketing Specialist
16 Erin Taylor, Marketing Specialist
17 1400 Independence Avenue Southwest
18 Room 2965 South Building
19 Washington, D.C. 20250

20 and US DEPARTMENT OF AGRICULTURE
21 UPPER MIDWEST MARKETING AREA

22 BY: Henry H. Schaefer, Chief Agricultural
23 Economist
24 4570 West 77th Street, Suite 210
25 Minneapolis, Minnesota 55435

1 APPEARANCES (CONTINUED):

2 On Behalf of Select Milk Producers, Lone
3 Star Milk Producers, Zia Milk Producers,
4 Continental Dairy Products and Dairy
5 Producers of New Mexico:

6 YALE LAW OFFICE, LP

7 BY: Benjamin F. Yale, Attorney at Law
8 Ryan K. Miltner, Attorney at Law
9 Kristine H. Reed, Attorney at Law
10 527 North Westminster Street
11 Post Office Box 100
12 Waynesfield, Ohio 45896-0100

13 On Behalf of Agri-Mark:

14 John H. Vetne, Attorney at Law
15 11 Red Sox Lane
16 Raymond, New Hampshire 03077

17 and

18 Robert D. Wellington
19 Senior Vice President, Economics,
20 Communications & Legislative Affairs
21 Post Office Box 5800
22 Lawrence, Massachusetts 01842

23

24

25

1 APPEARANCES (CONTINUED):

2 On Behalf of National Cheese Institute:

3 COVINGTON & BURLING, LLP

4 BY: Steven J. Rosenbaum, Attorney at Law

5 1201 Pennsylvania Avenue NW

6 Washington, D.C. 20004-2401

7 On Behalf of Association of Dairy

8 Cooperatives in the Northeast and

9 Land O'Lakes:

10 Dennis J. Schad

11 Director of Marketing &

12 Regulatory Affairs

13 405 Park Drive

14 Carlisle, Pennsylvania 17013

15 On Behalf of Association of Dairy

16 Cooperatives in the Northeast:

17 Marvin Beshore, Attorney at Law

18 130 State Street

19 Post Office Box 946

20 Harrisburg, Pennsylvania 17108

21

22

23

24

25

1 APPEARANCES (CONTINUED):

2 On Behalf of Michigan Milk Producers

3 Association:

4 Clayton L. Galarneau, Jr.

5 Director

6 Manufactured Sales and Operations

7 41310 Bridge Street

8 Post Office Box 8002

9 Novi, Michigan 48376-8002

10 On Behalf of National Milk Producers

11 Federation:

12 Roger Cryan, Ph.D.

13 Director of Economic Research

14 2101 Wilson Boulevard, Suite 400

15 Arlington, Virginia 22201

16 On Behalf of Upstate Farms

17 Cooperative, Inc.:

18 Timothy R. Harner

19 Chief Legal Counsel

20 25 Anderson Road

21 Buffalo, New York 14225

22 ALSO PRESENT:

23 Dennis C. Wolff, Secretary,

24 Department of Agriculture, Commonwealth of

25 Pennsylvania

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1 JUDGE PALMER: Let's go on the
2 record. I'll start talking because we're really
3 going to go through some procedural things for a
4 moment. My name is Victor Palmer. I'm an
5 Administrative Law Judge. I've been designated
6 to conduct this reconvened hearing. The judge
7 that started it had an accident he had a little
8 surgery yesterday for, so I'm taking his place.

9 The hearing is being held here in
10 Strongsville, Ohio, and the purpose of
11 reconvening this proceeding -- and I'm reading
12 from the notice that was in the Federal
13 Register. "The purpose of reconvening this
14 proceeding is to assure that any changes to
15 manufacturing allowance factors used in Federal
16 order Class III and Class IV product price
17 formulas are appropriate and reflective of
18 manufacturing costs.

19 "Specifically, the reconvened hearing
20 will take into evidence only, only data on plant
21 manufacturing costs compiled by Cornell
22 University and any other pertinent data or
23 information specifically addressing plant
24 manufacturing costs that would be publicly
25 available. Other factors contained in the

1 Class III and Class IV price formulas will not
2 be addressed at the reconvened hearing."

3 And it was adjourned, the original
4 part of this hearing was adjourned in
5 Alexandria, Virginia, on Friday, January 27,
6 2006, and now it is being reconvened.

7 I asked Government Counsel for
8 various exhibits that we need to have, and what
9 just happened to them? Oh, they're right here
10 in my hand. And I've given them some numbers,
11 and I'm asking the court reporter, who is to my
12 right -- anybody who wants a copy of the
13 transcript, there are a number of ways to get
14 it, but if you wish to get it through the court
15 reporter, she's over here and I would strongly
16 suggest you give her your card and an order.

17 The very first exhibit -- and I
18 understand the last exhibit number that was
19 assigned in the previous part of this hearing
20 was 67, so I'm marking as Exhibit 68 the notice
21 that appeared in the Federal Register on
22 Wednesday, September 6, 2006, Volume 71
23 Number 172 from which I was just reading. That
24 was on page 52502 of that particular volume of
25 the Federal Register. And that's going to be

1 marked and received as Exhibit 68.

2 (Thereupon, Exhibit 68 was marked for
3 purposes of identification.)

4 JUDGE PALMER: We've marked and
5 will receive as Exhibit 69 the program
6 announcement by the Agricultural Marketing
7 Service, which was sent out to one in -- to the
8 public.

9 (Thereupon, Exhibit 69 was marked for
10 purposes of identification.)

11 JUDGE PALMER: As Exhibit 70 we're
12 marking a "Determination Respective Mailing of
13 Notice of Hearing" that was sent out by Sue L.
14 Mosley dated September 6, 2006. And that was in
15 respect to the Florida and the Southeast orders.

16 (Thereupon, Exhibit 70 was marked for
17 purposes of identification.)

18 JUDGE PALMER: As Exhibit 71,
19 another "Determination Re Mailing of Notice of
20 Hearing," this one by Robert E. Vander Linden in
21 respect to the Central Marketing Milk Order at
22 part number 1032 of the code of Federal
23 Regulation. That was 71.

24 (Thereupon, Exhibit 71 was marked for
25 purposes of identification.)

1 JUDGE PALMER: As 72 we have a
2 "Certificate of Officials Notified." That was
3 sent to the governors of the states of -- no,
4 I'm not going to read all of them. It's
5 practically the entire country. And that was
6 signed by Joyce M. McPherson, the Docket Clerk
7 for the Agricultural Marketing Service, and it
8 was done in Washington, D.C. on the 6th day of
9 September, 2006. That's Exhibit 72.

10 (Thereupon, Exhibit 72 was marked for
11 purposes of identification.)

12 JUDGE PALMER: As Exhibit 73,
13 we've stapled together all of the various
14 determinations of mailing of the notice of the
15 reconvened hearing, and that's by the various
16 marketing administrators, so that's received as
17 Exhibit 73. So they're all received.

18 (Thereupon, Exhibit 73 was marked for
19 purposes of identification.)

20 (Thereupon, Exhibits 68-73 were
21 received into evidence.)

22 JUDGE PALMER: I want to help move
23 this along a little bit, and we have a request
24 from the Secretary of Agriculture for the State
25 of Pennsylvania that he might testify, and I

1 would suggest that he just go on first. So
2 before we do anything else, we'll call him right
3 now and let him give his testimony.

4 Sir, stand, face me, raise your right
5 hand.

6 DENNIS C. WOLFF
7 having been first sworn by the judge, was
8 examined and testified under oath as follows:

9 JUDGE PALMER: I've just been
10 handed a copy of his written testimony.
11 Ms. Deskins is going to question you.

12 DIRECT EXAMINATION

13 BY MS. DESKINS:

14 Q. Good morning, Secretary. Would you state
15 your full name, please?

16 A. My name is Dennis C. Wolff.

17 Q. And could you tell us what your position is
18 with the Pennsylvania government?

19 A. I am Secretary for Agriculture for the
20 Commonwealth of Pennsylvania.

21 Q. I understand you have some testimony you
22 would like to read into the record today?

23 A. Well, I have some testimony that's written
24 that I can read, or I can just make some remarks
25 from that testimony.

1 Q. Well, your testimony is fairly short.

2 Would you mind reading it into the record?

3 A. Sure, I can do that.

4 JUDGE PALMER: All right, sir.

5 Please proceed.

6 STATEMENT FOR THE RECORD OF DENNIS C. WOLFF

7 THE WITNESS: On behalf of

8 Governor Rendell, I would like to extend our
9 appreciation to Secretary Johannes for extending
10 an invitation to the Commonwealth of

11 Pennsylvania to attend today's national public
12 hearing regarding Class III and Class IV milk
13 price formula manufacturing allowances. This
14 reconvened hearing to consider the information
15 compiled by Cornell University and others will
16 provide the Agriculture Marketing Service
17 pertinent information to fully consider the
18 merits of the proposal prior to final decision.

19 As a national issue, this will
20 undoubtedly be a difficult decision. I want to
21 underscore the concern that we have about making
22 any changes in the make allowance that will
23 cause further decline to the Pennsylvania dairy
24 farm families' milk checks, given the very
25 difficult financial environment in which they

1 are presently finding themselves.

2 Agriculture is Pennsylvania's number
3 one industry, with dairy farming contributing
4 42 percent of the agricultural revenues.
5 Pennsylvania has 8,600 dairy farm businesses
6 that produce 10.6 billion pounds of milk
7 annually. The income from this milk is very
8 important to our state's economy, and this
9 volume of milk is important to feeding the
10 United States population on the East Coast.

11 Cornell University data shows a
12 deficit of 8 billion pounds of milk in the
13 Northeastern part of the United States, and with
14 20 billion pounds deficit in the Southeastern
15 part of the United States when you compare the
16 current production and per capita consumption of
17 dairy products. It is critical that we grow
18 milk production in this region.

19 During the past 10 years,
20 Pennsylvania has lost over 2,000 dairy farms and
21 75,000 dairy cows. This trend has been driven
22 by low profitability within the industry.
23 Initiatives have been established in the state
24 to improve profitability and there have been
25 some positive results; however, those results

1 were thwarted when milk prices decreased 17
2 percent at the farm gate, as they had during
3 this past year.

4 The U.S. milk price for 2005 is
5 \$15.15 per hundredweight. Ken Bailey and other
6 agricultural economists are projecting the 2006
7 price to be around \$12.60. This change totally
8 removes any farm profit level that there was in
9 2005 and forces most farms to operate in the
10 red.

11 Cyclical changes in our milk prices
12 have been more frequent and in greater
13 magnitude. Pennsylvania dairy farmers have a
14 record low milk price -- had record low milk
15 prices in 2002 and 2003. The state's dairy
16 farms did not recover from this current cycle of
17 low prices.

18 In May, June, July and August, all
19 milk prices were below \$12.00 per hundredweight.
20 With the cost of production exceeding \$13.50 per
21 hundredweight, our dairy producers are losing an
22 average of \$1.50 for every hundred pounds of
23 milk they produce. The month-after-month
24 negative cash flows that they are experiencing
25 make it imperative that the make allowance

1 increase not be granted.

2 JUDGE PALMER: Fine.

3 BY MS. DESKINS:

4 Q. Mr. Secretary Wolff, did you have some
5 other comments you want to add to this?

6 A. Yes, I would. Just some brief comments
7 that during my term as secretary, I've never
8 expressed a more challenged group of people than
9 the dairy farmers in Pennsylvania right now.

10 Some of the personal experiences that I
11 have witnessed in the last two months would
12 include a phone call yesterday from a farm that
13 is very well managed, that has been in the same
14 family for eight generations, and they
15 experienced a real concern to me whether they
16 would be able to continue to operate many more
17 months and borrowing money every month to be
18 able to meet their cash flow needs.

19 And most recently, at a county fair in
20 Lawrence County, Pennsylvania, when a
21 16-year-old-young lady came up to me and, with
22 tears running down her cheeks, saying it's too
23 late for her dad's farm, their cattle were sold
24 the previous week, but asking us what we could
25 do to try to ensure that more farms wouldn't

1 have the same destiny that their farm just
2 experienced.

3 And I think it's just very easy to see that
4 when milk prices are \$12, cost of production are
5 \$13.50, that the dairy farmers are losing money
6 every morning that they turn their lights on.

7 I certainly appreciate the challenges that
8 the manufacturers are experiencing in a very
9 controlled market in which they operate, but I
10 would also like to hold them to the same
11 standards that our dairy farmers are
12 experiencing every day and every year; and that
13 is to improve their returns simply by improving
14 their efficiencies of their operation and their
15 costs of producing those manufactured products.

16 The Cornell Study that was recently
17 released does show that there is a return on
18 investment. It does vary, but the average is
19 certainly an acceptable return on investment,
20 and I understand that that varies from different
21 sizes of plants and different locations in the
22 United States.

23 But I'm just here to ask the USDA Marketing
24 Services to deny the request to increase that
25 margin at this time.

1 JUDGE PALMER: Do we have
2 questions?

3 I think -- I think we'll let you go,
4 sir. Thank you very, very much.

5 MS. DESKINS: One more thing.
6 You want your testimony admitted into the
7 record, would you?

8 THE WITNESS: Yes.

9 MS. DESKINS: Could we have his
10 testimony marked as an exhibit?

11 JUDGE PALMER: Surely. We'll mark
12 that as Exhibit 73, isn't it?

13 MR. JABLONSKI: Seventy-four.

14 JUDGE PALMER: Seventy-four.

15 Thank you, sir.

16 (Thereupon, Exhibit 74 was marked for
17 purposes of identification.)

18 THE WITNESS: Thank you.

19 JUDGE PALMER: All right. Let's
20 go off the record a moment.

21 (Thereupon, a discussion was held off
22 the record.)

23 JUDGE PALMER: I guess the next
24 order would be to call Dr. Mark Stephenson.

25 MS. DESKINS: Yes.

1 JUDGE PALMER: Dr. Stephenson?

2 MARK W. STEPHENSON

3 having been first sworn by the judge, was
4 examined and testified under oath as follows:

5 JUDGE PALMER: And do we have
6 copies of --

7 MS. DESKINS: I believe there's
8 copies at the back of your --

9 THE WITNESS: There are copies of
10 my testimony in the back.

11 JUDGE PALMER: Somebody standing
12 up there, could you get one for me and one for
13 the reporter? It would help us both.

14 (Thereupon, a discussion was held off
15 the record.)

16 (Thereupon, Exhibits 75 and 76 were
17 marked for purposes of
18 identification.)

19 JUDGE PALMER: Back on the record,
20 then.

21 DIRECT EXAMINATION

22 BY MS. DESKINS:

23 Q. Dr. Stephenson, could you please state your
24 full name for the record?

25 A. My name is Mark W. Stephenson.

1 Q. And can you tell us about your educational
2 background since high school?

3 A. Sure. I received a bachelor's degree and
4 master's degree from Michigan State University
5 in dairy science. I later went back to school
6 and received a second master's and Ph.D. in
7 agricultural economics at Cornell University.

8 MR. HUBER: Your Honor, if I
9 may ask that they speak directly into the
10 microphone, please?

11 JUDGE PALMER: Apparently they're
12 having trouble hearing you.

13 MS. DESKINS: Can we go off the
14 record a moment?

15 JUDGE PALMER: Yes, off the
16 record.

17 (Thereupon, a discussion was held off
18 the record.)

19 JUDGE PALMER: Back on the record.

20 MS. DESKINS: And they're able to
21 hear you in the back now?

22 THE WITNESS: I believe you can
23 hear me in the back now.

24 MR. HUBER: Better.

25 JUDGE PALMER: Good. There's also

1 some chairs up front if anybody -- okay.

2 BY MS. DESKINS:

3 Q. Can you tell us where you currently work?

4 A. I currently work at Cornell University.

5 I'm on the faculty in the Department of

6 Agricultural Economics and Management.

7 Q. And how long have you worked for Cornell?

8 A. I've worked for Cornell for 13 years.

9 Q. Do you do any research activities as part
10 of your job duties?

11 A. Yes, I most assuredly do. In fact, the
12 bulk of the time I spend in applied research,
13 the rest of the time in outreach extension. And
14 I have taught rather significantly in the past,
15 but not currently.

16 Q. Can you just in general tell us the type of
17 research you do?

18 A. Sure. The research that I do is entirely
19 related to the dairy industry. We -- I say
20 "we" -- the group that I work with, the Cornell
21 Program on Dairy Markets and Policy, works
22 exclusively in that area. We do research on the
23 dairy industry from the farm through
24 transportation through processing. And at all
25 levels of that we're interested in the impacts

1 on marketing and policy work.

2 Q. Now, the Cornell Program on Dairy Markets
3 and Policy, who else is a member of that
4 program?

5 A. There are four of us. Dr. Andrew
6 Novakovich is the director of the Cornell
7 Program on Dairy Markets and Policy. My
8 colleague, Chuck Nicholson, is a senior research
9 associate in that group, and we have a junior
10 research associate, Angela Gloy, in that group
11 as well.

12 Q. As part of your work in that program, have
13 you recently done a study on processing in the
14 dairy industry?

15 A. I have.

16 Q. And can you tell us what the title is of
17 your recent study?

18 A. Yes. The title of the recent study is the
19 "Cost of Processing in Cheese, Whey, Butter and
20 Nonfat Dry Milk Plants."

21 Q. And when did you publish this paper?

22 A. This paper is a working paper that was
23 published, I believe it was exactly two weeks
24 ago today, on the Internet.

25 Q. Okay. Now, where is it located on the

1 Internet?

2 A. The URL for the website that contains the
3 paper is dairy.cornell.edu.

4 Q. And that link was active as of today?

5 A. No. The link -- well, it is as of today,
6 yes, but it's been active for two weeks.

7 Q. Is it common for scholarly papers to be
8 published on the Internet?

9 A. Increasingly, virtually all work is
10 published on the Internet. Some of it is
11 published in other outlets as well, but the
12 Internet is almost always used to disseminate
13 information quickly and freely, readily
14 available to folks.

15 Q. Now, you referred to this as being a
16 working paper. Can you tell us what that term
17 means?

18 A. In academia, we refer to a working paper as
19 something that's not the final paper on the
20 entire project that you're doing. There may be
21 additional detail that would be available later.
22 And, indeed, we hope to do that. We've
23 collected a great deal of information on plants.

24 But this is a paper from the data that we
25 considered to be final data. These results

1 won't change. And it's a paper that's normally
2 offered to the community for comments and
3 responses that might make a final paper a better
4 paper. I wouldn't be surprised if I had a few
5 comments today that might improve the paper.

6 Q. Also in regards to Exhibit 76, which is
7 your "Cost of Producing Cheese, Whey, Butter and
8 Nonfat Dry Milk Plants," you're listed as being
9 the author of the working paper?

10 A. I am, yes.

11 Q. Did anybody else help you write this?

12 A. No. I'm the sole author of the paper and
13 researcher on this project.

14 MS. DESKINS: At this time I
15 would move for the admission of Exhibit 76.

16 JUDGE PALMER: Is there any
17 objection? All right, 76 is received.

18 Incidentally, let's also move for the admission
19 of 74, which is the statement, and that's also
20 received.

21 (Thereupon, Exhibits 74 and 76 were
22 received into evidence.)

23 MS. DESKINS: Okay.

24 JUDGE PALMER: And the only thing
25 open right now is your statement, which you're

1 about to give.

2 STATEMENT FOR THE RECORD OF MARK W. STEPHENSON

3 THE WITNESS: All right. Then
4 I'd like to read my testimony, if I might, into
5 the record.

6 Judge Palmer and personnel of the AMS
7 Dairy Programs, I am appearing before you to
8 offer a summary of recent research project in
9 which I collected data and summarized the costs
10 of processing in cheese, whey, butter and nonfat
11 dry milk plants.

12 I am not here to advocate for or
13 against any particular policy action, but rather
14 to offer my insights into the current cost
15 environment for dairy processors. This is a
16 summary of my work and does not represent an
17 official statement of Cornell University.

18 Cornell University has been
19 conducting cost of processing studies in the
20 dairy industry for more than 30 years. Over the
21 past 20 years, work by the Cornell Program on
22 Dairy Markets and Policy, often referred to as
23 CPDMP, included studies on the processing of
24 cheese, whey, butter, nonfat dry milk powder and
25 fluid milk. This project assesses the cost of

1 processing in cheddar cheese, dry whey, butter
2 and nonfat dry milk plants and builds on the
3 knowledge and background of these earlier
4 efforts.

5 Partial financial support for this
6 project was provided by the Dairy Programs
7 division of the Agricultural Marketing Service
8 of the U.S. Department of Agriculture.

9 Two weeks ago, on September 1, 2006,
10 I published the initial summary results of this
11 work on my website. I also sent an e-mail
12 announcement to about 250 people who work in the
13 industry to let them know that this working
14 paper was available for download.

15 The working paper describes the
16 selection of plants involved in the study, the
17 methodology used to collect and summarize the
18 results. And in the interest of brevity, I
19 would ask that this working paper, which has
20 been freely available and widely circulated, be
21 accepted into the hearing record without reading
22 its contents.

23 I will summarize in my testimony what
24 I consider to be the most important points with
25 regard to methodology and the primary findings,

1 which include 20 cheese plants outside of
2 California were selected from a draw, stratified
3 by plant size, whereby 5 plants were randomly
4 selected from the largest 10 percent of plants
5 in the country and 15 were selected from the
6 remaining 90 percent of plants. Whey plants
7 were a subset of the cheese plants selected.
8 Butter and nonfat dry milk plants were selected
9 by a non-stratified random draw.

10 Sixteen completed surveys from
11 cheddar cheese plants, twelve from plants drying
12 whey, eight plants producing nonfat dry milk
13 powder and four butter plants. Locations of
14 these plants are regionally diverse.

15 In addition to plants producing
16 cheddar cheese and/or dry whey, nonfat dry milk
17 and/or butter, plants had to produce these
18 products in one or more of the package sizes
19 that are surveyed in the National Agricultural
20 Statistical Service Report on Dairy Product
21 Prices. That is, 40-pound blocks of cheese,
22 500-pound barrels of cheese, dry whey in bags,
23 totes or bulk, butter in 68-pound or 25-kilogram
24 boxes and nonfat dry milk in bags, totes or
25 bulk.

1 Plants were allowed to select the
2 most recent 12-month period which corresponds
3 with their fiscal year. Because the plants have
4 some latitude for time period, the results do
5 not correspond to a calendar year or even to the
6 same 12-month time period. The most common
7 12-month time period was from July 2004 through
8 June 2005. These 12 months encompass about 63
9 percent of the observations. Another 21 percent
10 of the observations were from earlier months and
11 the remaining 16 percent were more recent than
12 that.

13 The methodology used to collect and
14 summarize the data are very similar to the
15 methodology used by the California Department of
16 Food and Agriculture, CDFA, in their annual
17 plant surveys. There are three primary
18 differences from CDFA's results that bear
19 mention: I do not have audit authority to
20 collect data from plants; I do not calculate a
21 current value of assets from schedules of
22 economic depreciation; and my sample of plants
23 represents a smaller proportion of the
24 population than California's annual survey does
25 of their plant population.

1 Processing cost results published in
2 the working paper show a simple average cost of
3 20.65 cents and a weighted average cost of 16.38
4 per pound of cheese. A simple average cost of
5 22.82 and a sample weighted average cost of
6 19.41 cents per pound of whey. A simple average
7 cost of 14.84 and a sample average weighted
8 average cost of 14.1 cents per pound of nonfat
9 dry milk. And a simple average cost of 14.92
10 and a sample weighted average cost of 11.08 per
11 pound of butter.

12 This is the section that describes
13 the sample versus the population. The basic
14 idea of statistics is that you want to explore
15 from the data that you've collected to make
16 general conclusions about the larger population
17 from which the data sample was derived.

18 To do this, statisticians have
19 developed methods based on a simple model:
20 Assume that all your data are randomly sampled
21 from an infinitely large, normally distributed
22 population. Analyze the sample and use the
23 result to make inferences about the population.

24 This model is an accurate description
25 of some situations, but not the U.S. dairy

1 industry. The CDFA data essentially sidesteps
2 the issue as they collect data from very nearly
3 all plants processing the products of interest
4 in their state. This is the difference between
5 a sample statistic, which is what I have
6 collected, and a population parameter, which
7 CDFA collects.

8 Previous processing studies,
9 including my own, have shown very large
10 economies of scale in these plants. As I was
11 setting up the research methods for this study,
12 I made 10 random draws of 20 plants from the
13 population plant list that I had available.
14 Doing this revealed that 17 to 18 of the 20
15 plants in such a draw would represent fairly
16 small cheese plants located mostly in the Upper
17 Midwest.

18 Conducting the research on such a
19 sample would provide excellent information on
20 smaller plants located in this one region of the
21 country, but it would give sketchy evidence of
22 the processing costs in the plants processing
23 the bulk of cheese in the country.

24 It was decided that I would conduct a
25 stratified random draw whereby 5 plants were

1 randomly selected from the largest 10 percent of
2 plants in the country, outside of California,
3 and 15 were selected from the remaining 90
4 percent of plants. Butter and nonfat dry milk
5 plants were also selected by a random draw. But
6 because the population of these plants is so
7 much smaller and because I had no prior
8 information on plant volumes, no stratification
9 was done. The goal was to survey 8 nonfat dry
10 milk plants and 10 butter operations.

11 When we calculate descriptive
12 statistics on a sample, sometimes we're
13 interested in just that sample, but more often
14 we're interested in making inferences about the
15 population parameters. I believe that to be the
16 case here.

17 The confidence interval. The mean or
18 average you calculate from a sample is not
19 likely to be exactly equal to the population
20 mean. The size of the discrepancy depends on
21 the size of variability of the sample. If the
22 sample -- and the size -- excuse me, the size
23 and variability of the sample.

24 If the sample is small and variable,
25 the sample mean may be quite far from the

1 population mean. If your sample is large with
2 very little scatter, the sample mean will
3 probably be very close to the population mean.

4 Statistical calculations combine
5 sample size and variability, standard deviation,
6 to generate a confidence interval for the
7 population mean. You can calculate intervals
8 for any desired degree of confidence, but 95
9 percent confidence intervals are most common.

10 Using the cheese plants as an
11 example, I have calculated the simple average
12 mean of the 16 plants to be 20.65 cents and the
13 weighted average to be 16.38 cents per pound of
14 cheese. The 95 percent confidence interval
15 around this is a confidence range of 15.02 cents
16 to 28.08 cents. The literal interpretation of
17 this is that I can be 95 percent confident that
18 the population mean falls between these two
19 values with repeated draws of the sample.

20 The confidence interval for whey is a
21 range of 13.28 cents to 32.37 cents, for nonfat
22 dry milk a range from 12.04 to 18.46, and for
23 butter a range for minus zero -- or 9.21 cents
24 to 39.05 cents. The large range on butter costs
25 reflects relatively few observations and a fair

1 amount of variability in the data.

2 A better approximation of the cheese
3 population. The variation that we observe
4 between plants might be explained by many
5 factors. Certainly, one that is hypothesized is
6 the size of the plant. Others might include
7 product mix, seasonal operation, region of the
8 country, management, et cetera. Some of these
9 factors are readily measured, but others, like
10 management, are not.

11 A cost function would include one or
12 more of these factors and would give an
13 approximation of the plant cost that might
14 differ from the mean as a result of the factors
15 differing. Another statistical tool that is
16 often used to moderate relationship is a
17 regression analysis.

18 I have often observed that the
19 relationship between plant size and costs of
20 processing is not linear in the dairy industry.
21 In other words, the economies of scale may be
22 very large for doubling a fairly small plant,
23 but not so much for doubling a very large plant.

24 Regression analysis was performed on
25 the cost data from the cheese plants with a

1 nonlinear functional form using only pounds of
2 cheese processed as the explanatory variable.
3 The following formula is the result: the cost
4 per pound is estimated or equal to be 0.170026
5 plus 68,000 -- or excuse me, 683,572 divided by
6 the pounds of cheese processed annually.

7 The cheese plant cost as a function
8 of pounds of cheese processed has an R-squared
9 value of 88.7. R-squared is a measure of fit
10 and can be interpreted as 88.7 percent of the
11 variability observed in the cost of processing
12 cheese can be explained by the volume of cheese
13 processed annually. This is a very good
14 statistical fit for a function like this, and it
15 allows further examination of a population of
16 cheese plants. Figure 1 shows the cost curve as
17 derived from the formula above.

18 An estimation of the population cost
19 for cheddar cheese. I have a recent snapshot of
20 monthly volume data for non-California cheese
21 plants. This was the list used to take the
22 random draws for plant selection. This list
23 includes 138 plants in the country with volumes
24 from large to quite small.

25 When NASS collects weekly dairy

1 product prices for cheddar cheese plants, only
2 plants producing one million pounds or more of
3 product annually are included in the survey.
4 One million pounds of cheddar cheese production
5 would, on average, process four 50,000 tanker
6 loads of milk per week. Plants smaller than
7 this are probably producing a specialty cheese
8 and not a commercial -- or not a commodity
9 cheddar.

10 If I make one million pounds of
11 cheese the cutoff for inclusion in the
12 population of commercial plants, then, of the
13 138 plants that I have data for, 53 plants
14 remain in the list.

15 Figure 2 displays the cumulative
16 percent of plants, ranked from large volume to
17 smaller, and shows the estimated cost of
18 processing in the 53 plants.

19 Figure 2 demonstrates, for example,
20 that if we wanted to cover the processing costs
21 of 60 percent of the commercial cheddar cheese
22 plants in the country, we would need to have a
23 make allowance of about 30 cents per pound.

24 We can also plot the cumulative
25 percent of volume of cheddar cheese produced in

1 the plants. This is done in Figure 3, which
2 shows, for example, that if we wanted to cover
3 the processing costs of 80 percent of the
4 cheddar cheese produced outside of California,
5 then we would need a make allowance of about
6 20 cents per pound.

7 An estimation of the weighted average
8 processing costs for cheddar cheese. If we
9 define the commercial population of cheddar
10 cheese plants as the 53 plants that I have
11 observations for, then we can calculate a
12 weighted average estimate for the population
13 rather than the weighted average value of the
14 sample provided earlier in this paper, which was
15 16.38 cents per pound. The weighted average
16 estimate of the population is 20.28 cents per
17 pound. This is a value that would cover about
18 82 percent of the volume of cheddar cheese made
19 in the country, and the processing costs of
20 about 33 percent of the plants.

21 Estimating population costs of whey,
22 nonfat dry milk and butter. I would like to
23 make the same mapping from sample statistics to
24 population estimates for the other three
25 products surveyed. However, population data on

1 production volumes for these products are not in
2 my possession. It is possible that the National
3 Agricultural Statistics Service could provide
4 this data from their monthly Dairy Products
5 survey. I was in contact with NASS to see if I
6 might obtain plant-level data without plant
7 identification, but they had concerns with their
8 confidentiality agreements and with the
9 comparability of populations.

10 Impact of energy. As mentioned
11 earlier in my testimony, the majority of plant
12 observations came from a time period of July
13 2004 through June 2005. Some observations were
14 earlier than that and some more recent.

15 Over this time period, energy costs
16 in particular have been increased. The Bureau
17 of Labor Statistics calculates an index of
18 producer prices, the PPI, for industrial
19 electric power and natural gas. Over the entire
20 26-month time period, the PPI for electric power
21 had increased about 13 percent, and natural gas
22 had increased by somewhat more than 100 percent.

23 Applying the PPI indices to the
24 monthly plant values, average electric
25 expenditures would have increased 4 percent from

1 the average values listed and gas costs would
2 have increased by 28 percent.

3 Figure 4 shows the PPI for
4 electricity and natural gas indexed from January
5 2003 through July 2004.

6 I might just make a note here
7 for -- just for the actual indices that were
8 collected, the identifying numbers from the PPI
9 for natural gas were WPU0531, and the series for
10 industrial electric -- electricity was WPU0543.

11 When this change in the indices are
12 applied to bring the cheese cost of processing
13 forward to the 2005 calendar year for all
14 plants, the average cost per pound of cheese
15 would be increased by about 0.34 cents per
16 pound. This observation is offered with the
17 caution that only utility rates are changed and
18 not the other costs of processing.

19 The impact on nonfat dry milk and
20 whey is nearly double the cheese values, as
21 utilities are a greater portion of the total
22 costs.

23 Indexing electric and gas rates
24 forward to the 2005 calendar year increases the
25 average cost per pound of powder by about 0.7

1 cents and whey by about 0.76 cents in the butter
2 plants -- or in the plants surveyed. Again,
3 only fuel and electric rates are changed in this
4 calculation. Butter processors would only see
5 their utility costs increase by 0.29 cents.

6 Concluding comments. Plant
7 participation in the study has been good.
8 Although these plant data are not audited,
9 comparison with the audited data from the CDFA
10 demonstrates comparability, and I have no reason
11 to question the integrity of participants.

12 Butter plant participation was not as
13 strong as hoped for, and the confidence interval
14 around the mean estimates shows that there was
15 more variability around the mean of the plants
16 who did provide data.

17 Care must be taken to understand the
18 difference between the sample means and the
19 population parameter. I have good data to make
20 an estimate of the population parameter for
21 cheese plants, but I'm unable to do so for lack
22 of data with whey, nonfat dry milk and butter
23 operations.

24 Data were collected from plants which
25 covered a 26-month time period; however,

1 63 percent of observations were during the
2 12-month time period from July 2004 through June
3 2005. Another 21 percent of observations were
4 from earlier months and the remaining 16 percent
5 from more recent.

6 Energy costs have increased
7 dramatically over the past couple of years, in
8 particular, natural gas costs at the end of
9 2005. Although they have retreated from those
10 highs, utility costs have become a focal point
11 for many people in the make allowance debate.

12 This study shows that utility costs
13 are about 10 percent of the cheese processing
14 costs and about 20 percent of whey, butter and
15 nonfat dry milk processing costs.

16 When these costs increases -- these
17 costs increase at levels approaching 100
18 percent, total processing costs are impacted by
19 significant amounts.

20 If you have any questions, I would be
21 glad to try and answer them without divulging
22 any confidential data that has been collected in
23 the course of this study.

24 MS. DESKINS: You've already
25 admitted the testimony, correct? Is that

1 Exhibit 75?

2 JUDGE PALMER: Well, we admitted
3 the study. We didn't admit the testimony.

4 Is there any objection to receiving
5 the statement as it is before cross-examination?

6 Doesn't appear to be any. It's received.

7 (Thereupon, Exhibit 75 was received
8 into evidence.)

9 JUDGE PALMER: Other questions?
10 Who would like to start? There you are, sir.
11 Yes, sir, if you come to that podium over there
12 and give your full name.

13 MR. WELLINGTON: Good morning, my
14 name is Robert Wellington. I'm with Agri-Mark
15 Dairy Cooperative.

16 CROSS-EXAMINATION

17 BY MR. WELLINGTON:

18 Q. Mark, just a few questions. On Exhibit 76,
19 which is your study.

20 A. Yes.

21 Q. If we refer to page 7 on the first table,
22 Table 1.

23 A. Yes.

24 Q. You show the total costs of the eight
25 low-cost plants and the eight high-cost plants.

1 A. Yes.

2 Q. That total cost, that's a -- is that a
3 weighted or a simple average of that?

4 A. That is a weighted average of those groups.

5 Q. Of that group, okay. Good. Thank you.

6 Okay. When you began collecting this data for
7 the survey, what was the time period you
8 received the cheese and whey that you
9 started -- not for the study itself, for the
10 plants, but for when you collected it?

11 A. From when I collected it?

12 Q. Yes.

13 A. The time period of collection was a little
14 over a year in length. I'm trying to remember
15 what the exact beginning dates were, I mean,
16 when I had gotten out to the first plants and
17 the time we collected data on the last of the
18 plants. But it was a long enough time period
19 that when you have the ability to choose a
20 12-month time period, that rolls forward in this
21 program that we have here and makes some of the
22 plants have relatively early dates and some
23 quite recent.

24 Q. Was there a longer time period that you had
25 for the cheese and the whey relative to butter

1 and powder?

2 A. Yes, that's exactly right. We worked on
3 the cheese plants for a good period of time
4 before we started the nonfat dry milk and the
5 butter operations.

6 Q. About how long a time were you collecting
7 the butter and powder?

8 A. The butter and powder data came in, oh,
9 during about a seven-month time period, I would
10 estimate, six or seven months.

11 Q. When you sought data from 10 butter
12 operations but you only had survey data from 4,
13 was it the shortened time period for collecting
14 the butter information that affected the number
15 of participating plants?

16 A. I believe that that did. In fact, I know
17 that it did in some cases. There was some hurry
18 to get, you know, the final set of data
19 collected here, but we collected the information
20 that could be made available by the plants in
21 that time period.

22 Q. You showed a confidence interval for butter
23 from a range minus 9 cents to a range of -- a
24 high of 39 cents?

25 A. That's correct.

1 Q. And a minus 9 cents would not be a
2 reasonable number, because it would assume that
3 no costs were being given. It would give you 9
4 cents on top of that?

5 A. Sure.

6 Q. So do you think that that shows that
7 perhaps the four plants that you had in the
8 survey, along with the variability of those, is
9 probably not large enough to adequately
10 represent the population?

11 A. I would be very nervous, I guess, in
12 looking at these numbers and saying that,
13 therefore, this butter data is good enough to
14 use. We have information that I think is good
15 for these plants.

16 Q. Sure.

17 A. And if I had to pick a single number based
18 on all of the data I have available, it is
19 what's printed in the working study. But I made
20 a real attempt here, I think, by showing
21 confidence intervals on this to demonstrate that
22 I think the butter are the weakest numbers that
23 we have.

24 Q. Great. Thank you. You selected 20 cheese
25 plants in your survey, but 5 of those plants

1 were randomly selected from the largest 10
2 percent in the country. But you end up only
3 with data from 16 cheese plants. Were the 5
4 largest plants that were included, were they
5 part of the 16 plants?

6 A. Yes. We had full participation from the
7 largest plants, the 5 largest plants that were
8 polled, and we had less than full participation
9 or final participation from the other 15.

10 Q. Is this one factor that may lead to a
11 disproportionate representation of the larger
12 plants?

13 A. To some extent certainly, it is; however,
14 even by design, we had oversampled the larger
15 plants from the population. And the reason for
16 that was if we had simply taken a random draw
17 from the population, it was felt that we would
18 have a great deal of information about
19 relatively small plants, but perhaps pretty thin
20 or sketchy information about larger, more
21 efficient operations. So that's why we chose to
22 oversample larger plants.

23 Q. Were all the whey powder facilities in the
24 survey associated with cheese plants in the
25 survey?

1 A. They were, yes.

2 Q. Do smaller cheese plants typically have
3 whey powder facilities at their location?

4 A. The smallest of the plants did not.

5 Q. Smallest did not.

6 A. Some of the intermediate size plants don't
7 necessarily have whey drying facilities, either,
8 but, you know -- and it bears mentioning, I
9 guess, and I think I did in the working paper,
10 that a few of the plants that were drying whey
11 were drying more than their own whey as well.

12 Q. So they purchased whey from other cheese
13 plants, for example?

14 A. That's correct.

15 Q. What happens to the whey of those smaller
16 cheese plants? Are there alternatives if you
17 don't have a whey processing facility?

18 A. Well, there are different means, I guess,
19 or methods of what may be called disposal. In
20 some cases, in very small plants, the whey is
21 actually fed to animals. But in most cases, if
22 there's a good alternative to sell the whey to a
23 plant that further processes, then some
24 processing may be done at the plant locations to
25 concentrate the whey, or it may be produced as a

1 bulk whey product just as it comes out of the
2 vat.

3 Q. Is it fair to say that the smaller plants
4 without the whey processing facilities probably
5 couldn't obtain the same value that the larger
6 plants do by processing their whey?

7 A. I would imagine that to be the case. I
8 don't have evidence for that.

9 Q. Okay. And the smaller plants, one option,
10 of course, is to sell their whey to a larger
11 plant that has extra capacity, correct?

12 A. Correct.

13 Q. Okay. Are the costs of transporting those
14 whey solids to those larger plants, is that
15 included in your survey?

16 A. It is included in here as a cost.

17 Q. Between two separate companies?

18 A. We have the costs available to be
19 documented, and we consider the costs of
20 transporting whey to be a cost of disposal for
21 the cheese plants.

22 Q. So the four plants that did not have whey
23 facilities, you included a factor for selling it
24 to someone else, the transportation factor?

25 A. Only the cost of labor, if the plant

1 themselves owned the trucks and the facilities
2 to do this and they had a whey transportation
3 hauling cost that was collected. In the working
4 paper, I believe in the appendix, you can see
5 that there was a location to enter a cost of
6 whey transportation.

7 Q. Okay. You had a footnote on page 3 of your
8 testimony. I believe it was footnote 8. Could
9 you explain the circumstances leading to the
10 changes in the nonfat dry milk average cost that
11 were discussed in that footnote?

12 A. Page -- oh, yes.

13 Q. Three, at the very bottom, Mark.

14 A. Yes. One of the plants, after seeing the
15 results, we priced every product that the plant
16 produces. If you are producing more than just,
17 for example, nonfat dry milk and butter in a
18 plant, then we would price condensed product
19 that was sold from the plant, bulk products,
20 cream or condensed -- or noncondensed skim. Any
21 product that's sold, we will try to come up with
22 a cost of handling or processing those products
23 in the plants.

24 This was a plant that had a fairly
25 extensive product mix, and we didn't have enough

1 direct allocation of costs on utilities to be
2 able to say a certain proportion of these costs
3 should directly be observed to go to nonfat dry
4 milk powder and a certain proportion going to
5 other products.

6 So in the event of not having that
7 information, we, as California does, CDFA does,
8 do an indirect cost calculation, whereby we look
9 at the pounds of solids in the products that are
10 produced and we will allocate the costs across
11 the products based on the pounds of solids in
12 those products.

13 And this was a case where we had a fair
14 amount of sales of condensed product out of the
15 plant, and relatively smaller number of sales of
16 dried product from the plant, which gave me an
17 undervaluation, I think, of gas and electric
18 costs for the dried product and the relatively
19 higher value for the liquid products.

20 I did go back with better information and
21 change that allocation. I looked at all of the
22 other operations, of course, to see whether or
23 not this was something that was endemic in all
24 of them, but it appears to be a problem only in
25 this one plant.

1 Q. How did you become aware of the problem?

2 A. I was contacted by a member of the
3 organization who had looked at the results and
4 said, "I have some concerns about this. This
5 doesn't look like the kind of number we might
6 come up with."

7 Q. Did that plant operator specifically ask to
8 look at the results for his plant?

9 A. They did, yes.

10 Q. Did the other participating nonfat dry milk
11 plants have an opportunity to view their costs?

12 A. No, not all of them have. We're
13 trying -- the plant reports that are going back
14 are much more detailed than what I provided this
15 particular plant. It's taking a while to
16 prepare those so that they have a chance to look
17 at them.

18 They will also be provided -- participants
19 are provided with benchmarks of their operation
20 relative to others. And this plant had, in
21 particular, asked to take a look at their plant
22 costs, at least the preliminary summaries that I
23 had. I provided that for them.

24 Q. There were four Western plants of the
25 nonfat dry milk powder plants and then four

1 plants outside the West of the total of eight.
2 Were the four Western plants the larger low-cost
3 group?

4 A. I don't recall, Bob. I'd have to go back
5 and look at the data.

6 Q. They tend to be much larger plants out in
7 the West? Can we say that?

8 A. Yes, there is a tendency.

9 Q. Okay. Are you familiar with the cheddar
10 cheese plants in the Northeast?

11 A. I am.

12 Q. Are there any cheddar cheese plants that
13 you're aware of that are making 60 million
14 pounds of cheddar cheese or more per year?

15 A. Again, I'd have to look at the actual plant
16 data, but I doubt that that would be the case.
17 I mean, that's probably pretty close to a cutoff
18 line for those operations.

19 Q. That's all I have.

20 JUDGE PALMER: Very well. Other
21 questions? Yes, sir, if you'd come forward and
22 give your name and who you represent, sir.

23 DR. CRYAN: Good morning. My
24 name is Roger Cryan, C-r-y-a-n, and I'm here on
25 behalf of the National Milk Producers

1 Federation.

2 CROSS-EXAMINATION

3 BY DR. CRYAN:

4 Q. Good morning, Mark.

5 A. Good morning.

6 Q. How are you?

7 A. Fine.

8 Q. We've talked about all these things, so
9 these are open-ended questions.

10 A. I'm suspicious.

11 Q. No, not suspicious. A lot of suspicious
12 people here today.

13 Okay. Could you provide some detail on the
14 energy costs generated in your survey? For
15 example, in your testimony you discussed how you
16 adjusted the energy costs using PPIs to get in
17 2005 equivalent. Can you give us either
18 the -- well, ideally, could you give us a
19 breakdown on the electricity and natural gas
20 costs and the 2005 equivalent for each of the
21 four products?

22 A. I can if you can allow me to take a few
23 moments here to fire up the spreadsheet.

24 JUDGE PALMER: Yeah, go ahead.

25 Please do.

1 DR. CRYAN: It's fine with me,
2 yeah.

3 THE WITNESS: I did give some
4 indication of that, I believe, in the summary.
5 At least a percentage of total costs, what we
6 observed in those plants, or total utility
7 values.

8 DR. CRYAN: While he's bringing
9 that up, I would point out that the
10 relevance -- this is relevant to indexing energy
11 costs in order to implement something we
12 proposed in the January hearing. It's an
13 application of the data that Mark has presented
14 so that we can carry it through.

15 JUDGE PALMER: Very well.
16 Meanwhile, let the record show the witness has a
17 laptop and he's finding the right portion of the
18 laptop to find the data that's been asked for.

19 THE WITNESS: Roger, I do see
20 that actually I have combined in a cell the
21 energy and the gas costs here. It will take
22 more than a few minutes, I guess, to break that
23 out if you want. I can give you at least the
24 values per pound for the combined utilities very
25 quickly if you would like.

1 BY DR. CRYAN:

2 Q. I would be very appreciative if it could be
3 broken out and I wouldn't mind if we came back
4 and did that after.

5 JUDGE PALMER: Why don't we do
6 that, Doctor, if you would be so kind to make a
7 note of what he's asking for.

8 And you'll come up and ask that
9 question again later on after there's been a
10 break.

11 DR. CRYAN: After there's been
12 a break or however it works out so we can get
13 that data. And that's all I have.

14 JUDGE PALMER: All right. Fine.

15 DR. CRYAN: Thank you very
16 much.

17 JUDGE PALMER: Anyone else?

18 Yes, sir. And your name and
19 identification.

20 MR. YALE: I'm Ben F. Yale on
21 behalf of Select Milk Producers, Lone Star Dairy
22 Producers, Zia Milk Producers, Continental Dairy
23 Products and Dairy Producers of New Mexico.

24 JUDGE PALMER: Yes, sir.

25

1 CROSS-EXAMINATION

2 BY MR. YALE:

3 Q. Good morning, Bob.

4 A. Mark.

5 Q. Or Mark, geez. We've already started off
6 on a bad note. I was thinking -- my first
7 question was to follow up on one of Bob's
8 questions.

9 You made a comment that of the data you
10 felt the most comfortable with was the data that
11 was in the study, not what was in the testimony.
12 Does that misstate what you said, or --

13 A. What -- I'm not --

14 Q. You were talking about the -- I'm not sure.
15 There was something about -- there's the
16 question -- and I didn't have it, but something
17 about that you felt that the working paper
18 numbers that you had in there, that you felt
19 more comfortable with those or more --

20 A. I don't think I -- if I did, I didn't
21 intend to say anything like that. The data that
22 are in the working paper I consider to be final
23 numbers, and I am comfortable with those
24 numbers.

25 Q. Okay.

1 A. The application of those numbers to a
2 population mean is something I have less
3 confidence in some products than others.

4 Q. Okay. Now, I'm not a statistician, so
5 these may be really stupid questions, but I want
6 a confident understanding, and I think it's
7 necessary for the record.

8 You have average, weighted averages
9 sometimes grouped for the particular
10 large group, where you had sufficient samples,
11 and sometimes just for the whole group. Does
12 the -- if there's a -- is there -- let me
13 restate that.

14 Let's take a look at the one for butter,
15 for example. I know this is the one you feel
16 least comfortable with, but you have butter and
17 you've got a weighted average. And that's
18 page 10 of your working paper.

19 A. Yes.

20 Q. Okay. And you have 11.08 cents as total
21 cost, right?

22 A. Of the weighted average, yes.

23 Q. Okay. So if -- and then you elsewhere
24 stated a confidence range, and also, there's
25 always the issue also of just one mean that

1 would bring in two-thirds. If the number was,
2 say, 0.115 instead of 0.1108, is that within the
3 range of this particular number? The 11.08
4 would support the number of 11.5?

5 A. Yes. The confidence interval was much
6 larger than the 0.1108, and it would -- 0.115
7 would fall within that confidence interval.

8 Q. The same thing if you looked over here at
9 your nonfat dry milk, where you've got 0.1410,
10 and I think the correction you mentioned based
11 on the footnote, that, in your testimony, it
12 would be more like 0.142 something, I believe.

13 A. 0.1423.

14 Q. Right. The number 0.14 would also be
15 within that confidence range, right?

16 A. Yes.

17 Q. All right. And if we look at the dry whey,
18 where you've got 0.91941, based on what you said
19 today, 0.159 would be within that confidence
20 range, would it not?

21 A. I haven't looked at it, but I presume that
22 would be the case. Yes, it would.

23 Q. I'm going to try to ask you for a
24 definition so I can work from there on this. We
25 talk about, in this particular case, sometimes

1 the term is called "make allowance," but really
2 what you've tried to derive with adding the ROI
3 and administration is more of a margin; isn't
4 that correct?

5 A. I tried to derive something that would be
6 thought of as a total cost of processing. We
7 did impute a return on investment, on the
8 assets, as you might expect plants would have.
9 So the total cost does include that return.

10 Q. All right. That is not intended to
11 indicate whether or not a plant is profitable,
12 right?

13 A. No. We've collected no information on the
14 actual cost of the dairy inputs, such as the
15 milk or nonfat dry milk or cream that might have
16 been purchased by these plants. And we've
17 collected no information on the price the
18 product was sold for. So we can't impute
19 profitability on these operations.

20 Q. And the fact that a particular plant has a
21 higher margin doesn't necessarily mean that it's
22 unprofitable or even less profitable. You
23 cannot make that necessary leap, can you?

24 A. I don't have information on the actual
25 profitability of the plants. That was not the

1 intention of the study.

2 Q. So anyone that would suggest that because
3 you make a statement in your working paper, for
4 example, that so many plants' margins,
5 percentage of their plants' margins are higher
6 or lower than this number. Do you recall where
7 you made that comment?

8 A. In the working paper?

9 Q. The working paper.

10 A. I'm not sure. Do you have a page or
11 citation?

12 Q. Yes, let me -- if you would look at page 11
13 in the summary.

14 A. All right.

15 Q. And, I mean, you can take any one of those
16 paragraphs, but you say, for example, "Exactly
17 half of the nonfat dry milk participants cannot
18 achieve processing costs indicated by the make
19 allowance," and they accounted for half,
20 approximately half of all of them.

21 A. Yes.

22 Q. All right. That cannot mean that they are
23 not profitable because they're not making that
24 weighted average make allowance, you're just
25 simply making the statement that their make

1 allowances or margins, or whatever you want to
2 call that, exceeded your weighted average for
3 that?

4 A. Their individual processing costs.

5 Q. Right. Exceeded?

6 A. Not the weighted average, but the
7 individual plants' processing costs exceeded the
8 make allowance for that product.

9 Q. Okay. But that doesn't mean that they were
10 not -- you cannot state whether they were
11 profitable or not?

12 A. No. As I've indicated a number of times
13 here, I didn't collect information to be able to
14 calculate or determine profitability of plants.

15 Q. Now, there was a comment made or question
16 regarding one of the footnotes. One participant
17 did call you and ask you to make some changes or
18 point out some issues that they had with your
19 data; is that correct?

20 A. Yes. They didn't call to ask about making
21 changes; they did call to point out a concern
22 that they had about the number. And it was a
23 valid concern.

24 Q. Okay. Is there any -- you say you're the
25 sole researcher and the sole author. Is there

1 anyone else involved checking this data or
2 checking your work or providing you any kind of
3 review to ensure that errors are minimized?

4 A. Well, I, of course, discuss the progress of
5 this with my colleagues, but I'm the only person
6 who has been working on this particular project.

7 Q. Now, in your working paper, you indicated
8 that you did a random draw of plants of a
9 particular size, and you also indicated that
10 when you issued the invitation to some of the
11 plants to participate, that several refused; is
12 that right?

13 A. Not several. We had one plant that
14 absolutely refused and another plant that never
15 made a decision. They didn't participate; they
16 didn't say they wouldn't, but they didn't make a
17 decision to participate. So out of all the
18 plants that we tried to get, we had two plants
19 that I would indicate or would say didn't
20 participate.

21 Q. The ability of that plant, though, to
22 choose to participate or not could be based upon
23 their own knowledge of what their costs were,
24 could it not? And knowing what the -- let me
25 back up.

1 Did they know what the purpose of the study
2 was for?

3 A. We sent out a cover letter that describes
4 the work that we've done in the past on
5 processing, that we would provide participating
6 plants with not only a summary of their
7 operation, but a benchmark of their plant
8 relative to others and that it was likely that
9 this would be used in a Federal order hearing as
10 evidence about make allowance.

11 Q. Can you identify generally the locations
12 where the cheese plants were located?

13 A. Yes. I think I did that in the working
14 paper. And I would be as general as the map was
15 earlier on in the paper, indicating maybe
16 regions of the country. Figure 1 in the working
17 paper -- somewhere it's in here, I'm not quite
18 sure, where we had the number of plants in the
19 region.

20 Oh, okay. On page 6, the processing cost
21 results. Referencing this map on page 2 here,
22 six of the cheese plants were in this Western
23 region. It's a little hard to look at the
24 colors here, but I guess that if you take the
25 line between Montana and North Dakota, South

1 Dakota and jog down there, you will about
2 describe the Western region.

3 So six of the cheese plants were from that
4 Western region, five were in the Upper Midwest
5 and the remaining five were in this Northeastern
6 region. Of the butter and powder plants, four
7 were in the Western region, one was in the Upper
8 Midwest and three were in the Northeast.

9 Q. Now, were any of the plants that
10 participated in your program located in Texas or
11 New Mexico?

12 A. Well, you will notice of the cheese plants
13 down here, there are only two, and I really
14 wouldn't care to comment on that. I would say
15 that we did have participation from the
16 Southwestern region in the country in some
17 plants, but you can see that it's relatively
18 sparse there with regard to the cheese plant
19 numbers.

20 Q. And I see in showing this, for example, in
21 the Southeast, in Florida there's no plants
22 located there, cheese plants, right?

23 A. Not that are producing cheddar cheese in
24 commercial volume.

25 Q. And there's one plant located in Alabama?

1 A. Uh-huh.

2 Q. And that's the only one in the Southeast
3 order?

4 A. That's the only one that I have on my plant
5 list.

6 Q. And maybe one or two possibly in the
7 Appalachian order?

8 A. It gets a little thin in the Northeast,
9 yes.

10 Q. You mean the Southeast, or the Northeast?

11 A. Well, the Mid-Atlantic.

12 Q. Right. Now, I want to, if you would, look
13 at your testimony at page -- no, it's not
14 numbered, but it's where you talk about -- you
15 have Figure 1. I guess that would be the
16 easiest thing to do.

17 A. I apologize, I forgot to put the numbers on
18 it.

19 Q. And you derived a formula that based on
20 size one -- and I assume with the confidence
21 rate of 88.7 percent predicted their
22 manufacturing costs?

23 A. That's probably not quite the way I would
24 state that. What this actually says, and an
25 interpretation of this is that we can explain

1 88.7 percent of the variability that we observed
2 in plant costs on the basis of volume alone.

3 Q. Now, is the weighted average -- or not the
4 weighted average, but the pounds of milk that
5 you use in here annually, you know, on this
6 chart in this computation, is that
7 representative or equal to the same kind of
8 weight that is used in your working paper?

9 A. This is not a weight, I guess, at all, Ben.
10 This is an attempt to look at what the
11 population estimate would be for all cheddar
12 cheese manufacturers. And I would also just
13 correct that statement a little bit. You
14 indicate pounds of milk. This would be pounds
15 of cheese.

16 Q. Okay. I take the correction. So
17 basically, your base point is a plant that
18 produces 683,574 pounds, and that would be
19 approximately an 18 cent -- how does this work?

20 A. Well, I understand, I think, what you're
21 trying to do there, and the interpretation is
22 getting close. This is not quite the average or
23 the weighted average of the pounds processed in
24 a plant, but it is close to that. And this
25 intercept parameter that's 0.170026, if you had

1 no pounds of cheese processed -- or excuse me,
2 not no pounds of cheese processed, but if you
3 had precisely the amount processed that you had
4 indicated, the 683,574 pounds processed, you
5 would have this 0.17 plus a value of 1, which
6 would indicate a fairly high processing cost.

7 Q. So then it would be 1.17?

8 A. Yes.

9 Q. Now, if you -- which would -- well, never
10 mind, I'm not going to go there.

11 Your lowest cost that computed -- in fact,
12 I guess the way this thing worked is the pounds
13 of milk --

14 A. Cheese.

15 Q. Or pounds of cheese continues to increase
16 that's processed than the manufacturing cost, or
17 plant cost approaches this 0.170026; is that
18 right?

19 A. That's correct. It's going to approach
20 that number as the pounds processed becomes
21 infinitely large.

22 Q. Now, when I look at this chart and I then
23 compare that to the processing cost for 16
24 cheddar cheese plants that you have, and I look
25 at the 8 low-cost plants, those -- the numbers

1 that you had come up with, a weighted average
2 for them does not appear to be -- show up within
3 this graph?

4 A. The -- well, let me take a look at the
5 weighted average graph. And I guess for the
6 record, this low-cost plant weighted average is
7 14.59 cents.

8 Q. Right.

9 A. And this graph would indicate that you
10 couldn't quite get there. But again, recognize
11 that liberally speaking, I'm suggesting that we
12 can explain 88.7 percent of the variability with
13 this alone, but not 100 percent.

14 Q. And your weighted average, I guess the same
15 answer would then be under your weighted average
16 for all 16 plants would not show up within this
17 graph either, right?

18 A. We wouldn't quite approach that with the
19 volumes that are shown here. And, in fact, even
20 if we had an infinite volume on a plant, it
21 wouldn't quite achieve that.

22 What this graph or this estimation, this
23 regression is basically saying that this is the
24 best fit that we can draw a line through given
25 this functional formula. We have plants that

1 are higher than this line out in this high end
2 of production as well as plants that are
3 somewhat below that in the high end production.
4 This is the best fit line through all of those
5 observed data points that we have.

6 MR. YALE: Can I have one
7 second, please?

8 JUDGE PALMER: Yes.

9 BY MR. YALE:

10 Q. Now, your purpose is -- you're not trying
11 to tell the Secretary where to set these
12 plant-made allowances; is that correct?

13 A. I hope I made that clear in that opening
14 statement there.

15 Q. Well, I wanted to make sure that I wasn't
16 imposing that burden on you, too. And that if
17 the -- it's up to the Secretary to determine the
18 policy as to whether he wants a weighted average
19 or whether he wants to do with this 80 percent
20 or whatever; isn't that correct?

21 A. That would certainly be correct. It's my
22 understanding that any evidence that's been
23 provided in this hearing is -- can be used to
24 build a case to change or not change the make
25 allowance.

1 Q. And you are -- you're just providing this
2 information to the Secretary for that purpose?

3 A. That is correct.

4 Q. Okay.

5 MR. YALE: I think -- if
6 somebody goes ahead, that's fine, but my
7 colleague, Mr. Miltner, has some questions.

8 JUDGE PALMER: Very well.
9 Mr. Miltner, you want to come up?

10 MR. MILTNER: That's fine.

11 JUDGE PALMER: Once again, give
12 your full name, affiliation.

13 MR. MILTNER: Ryan Miltner with
14 Yale Law Office on behalf of Select Milk
15 Producers, Lone Star Milk Producers, Zia Milk
16 Producers, Continental Dairy Products and Dairy
17 Producers of New Mexico.

18 JUDGE PALMER: Thank you, sir.
19 Please proceed.

20 CROSS-EXAMINATION

21 BY MR. MILTNER:

22 Q. Dr. Stephenson, I wanted to follow up on
23 some of the questions that Mr. Yale had.

24 A. Certainly.

25 Q. Make sure I understand it as well. Your

1 cost function for cheese that Mr. Yale talked
2 about with you, there's a -- I guess it's a
3 horizontal asset made at 17 cents, and in your
4 working paper, you reported eight low-cost
5 plants with a weighted average cost of 14.59
6 cents.

7 A. Uh-huh.

8 Q. So can you explain why there are a
9 significant number of plants at the high volume
10 end of your curve that cannot or that can
11 achieve costs lower than your cost curve?

12 A. I'll do my best to explain that. If we
13 plotted on this Figure 1 in my testimony all of
14 the quantity and price information points that
15 we have for each of the plants, and showed
16 precisely where the individual plants were
17 located on here, we could not put a line through
18 those plants given this functional formula that
19 would allow us to have any less variability from
20 this predicted line than what is shown here in
21 this function formula.

22 Statistically speaking, we've minimized the
23 Euclidean distance between points. We do have
24 observations below this line and we do have
25 observations above this line. If there were

1 observations all below this line out towards
2 this end, this line would have been lower. It
3 would have produced a lower asymptote.

4 Q. And the distance between your cost curve
5 and any individual point that's above or below
6 the line, is that what your R-squared measures?

7 A. It does. And, you know, as I indicated,
8 there may be other variables that might help to
9 explain more of the variability we see. So, for
10 example, if we have a fairly large plant but one
11 that operates quite seasonally, I mean, just as
12 a hypothesis, you might expect that that plant
13 would have somewhat higher costs than a plant
14 producing the same amount of cheese but
15 operating at the identical level all year long.

16 Q. And when there is variation between an
17 individual point that you plot on your graph and
18 your cost curve, does your 88.7 R-squared mean
19 that the variation, 88 percent of that variation
20 is attributable to the volume of production?

21 A. I think that I can explain it best as
22 stated here, that we can explain 88.7 percent of
23 the variation with knowledge of the volume of
24 product processed alone.

25 Q. Okay.

1 A. If we had other variables in there, we
2 could probably do a little bit better.

3 Q. See if I can draw a couple of other
4 conclusions, and maybe we can, maybe we can't.
5 I want to look at your map of the cheese plants
6 in the country, and if you look at the Western
7 region, you have a note, it says, "This region
8 produces 48 percent of American cheese."

9 A. Yes.

10 Q. Okay. And the weighted average of the 16
11 plants that you looked at, let's look at the
12 low-cost plants. The weighted average of those
13 8 plants is 14.59 cents. Can we assume or can
14 you tell us if those 8 low-cost plants include
15 the 5 plants in the Western region of the
16 country?

17 A. I don't recall without going back and
18 looking. I can do that, I guess, as long -- I
19 won't provide information here anywhere where we
20 can't aggregate at least three of the plants I
21 gathered, so --

22 Q. I appreciate that. If we assume for the
23 moment -- and we can check this later, I assume,
24 when you look up Dr. Cryan's information. But
25 if we assume those 8 plants -- assume those 8

1 plants, and those 8 plants have a cost, a total
2 cost of 0.1459 dollars per pound, make an
3 allowance of 14.88 cents. If -- if we assume
4 that those five Western plants are included in
5 those 8 low-cost plants, and those 8 low-cost
6 plants have a weighted average cost of 14.59
7 cents, can we assume from your data that most
8 Western plants, or as a group, Western plants
9 can -- or assume that 48 percent of American
10 cheese that's produced in the West is produced
11 at those costs or lower?

12 A. I'm not sure that we can assume that.
13 There's more cheese produced in those five
14 plants that we have --

15 Q. Sure.

16 A. And obviously, there are more locations
17 shown. Again, I will look to see how many of
18 the plants are actually in the West that are in
19 that low-cost group that we've indicated and how
20 many may be outside that area. But I'm not sure
21 we can make that leap of faith.

22 Q. I want to switch to a little bit of a
23 different topic. The cost curve in Figure 1 --

24 A. Yes.

25 Q. -- was calculated by plotting all 100 -- or

1 entering all 138 observations and then fitting a
2 curve to those data points?

3 A. No. This cost curve in Figure 1 was
4 derived from the 16 chief plant observations
5 that we had collected data for.

6 Q. Okay.

7 A. So knowing the information we have from
8 those plants, can we say something about where
9 we think other plants would actually fall.

10 Q. Okay.

11 A. When you get to other figures, like
12 Figure 2 or Figure 3, then we're taking this
13 function, this cost curve that's estimated here,
14 and applying that to additional plants.

15 Q. If you had elected to use all 135 data
16 points to fit the curve, would you have expected
17 the curve to look differently?

18 A. Which curve are you talking about now?

19 Q. The curve in Figure 1. Because you have
20 data --

21 A. Sure.

22 Q. You collected data for 138 plants. I may
23 have said 135.

24 A. I would expect that the curve may look a
25 little bit different. We have a confidence

1 interval, if you recall, that tells us just how
2 sure we can be that the actual average -- and we
3 can calculate confidence intervals around a cost
4 curve like this, the function that was
5 estimated, saying across this range, how big do
6 you think we can have confidence.

7 I didn't do that, I guess, for this
8 particular paper. It can be done. But if we
9 had all the plants, we wouldn't need to
10 necessarily fit a cost curve to it, because then
11 we'd have an updated vehicle to say that the
12 population parameter is some particular number.

13 Q. That's all I have. Thank you.

14 JUDGE PALMER: Why don't we take a
15 break at this point. I think the doctor has
16 been testifying long enough without a break, so
17 let's -- it's -- let's meet back at 15 after,
18 but we will promptly be back at 15 after. My
19 watch shows about 4 after right now. And we'll
20 see you then.

21 (Thereupon, a recess was taken.)

22 JUDGE PALMER: Let's go on the
23 record.

24 Sir, do you have further questions
25 for the witness?

1 MR. MILTNER: I do not.

2 JUDGE PALMER: I understand some
3 of the statistics that you requested, somebody
4 requested, the doctor may have. Do you have his
5 information?

6 THE WITNESS: I have the
7 information that --

8 JUDGE PALMER: Why don't you go
9 back to the podium and make it official.

10 UNIDENTIFIED FEMALE: We're still
11 waiting for the one individual.

12 JUDGE PALMER: Oh, he's not here.
13 No sense -- all right. Let's skip that for a
14 while. Hold on to that for a minute.

15 Someone else wish to question the
16 witness? Full name and affiliation.

17 CROSS-EXAMINATION

18 BY MR. ROSENBAUM:

19 Q. Good morning, Dr. Stephenson. I'm Steve
20 Rosenbaum, an attorney representing the National
21 Cheese Institute.

22 I'd like to start by asking some questions
23 about the survey you performed with respect to
24 cheddar cheese plants. And as I understand from
25 your testimony, you, for purposes of performing

1 your study, divided, essentially divided those
2 plants into two strata, one that contained the
3 10 percent largest cheddar cheese plants and the
4 other contained the rest; is that correct?

5 A. That's correct.

6 Q. Now, and when you described the 10 percent
7 largest cheddar cheese plants, I assume that's
8 by annual production, or what?

9 A. That's by annual production, that's
10 correct.

11 Q. Now, in just terms of raw numbers, how many
12 plants were in each strata, or each stratum, I
13 guess I should say?

14 A. Well, we had -- let me take a quick look.
15 I believe it was 138 plants in total in the
16 list, and 10 percent of those would be 13
17 percent -- or 13 plants, I mean, the top 10
18 percent.

19 Q. And accordingly, 128 in the other stratum?

20 A. Yes, uh-huh.

21 Q. Now, you, as you've explained in your
22 testimony, did not do a purely random sample,
23 because when you sort of touched to that
24 concept, you just weren't picking up enough of
25 the largest plants, correct?

1 A. That's correct.

2 Q. And as I understand it, you included in
3 the -- your first effort was to include in the
4 survey 5 plants out of the, what I'll call,
5 stratum one, the one that has the 10 percent
6 largest plants, and 15 plants from stratum two;
7 is that correct?

8 A. That's correct.

9 Q. And none of the -- and let me start that
10 question again.

11 For the five plants out of stratum one, all
12 of them actually did participate in the survey,
13 correct?

14 A. That's correct.

15 Q. So you had from stratum one, 5 out of
16 13 -- let me start that question again.

17 You had 5 plants participate in your survey
18 out of the 13 plants that were in stratum one,
19 correct?

20 A. That's correct.

21 Q. And for stratum two, you started out with
22 an effort to have 15 plants out of the 128 in
23 stratum two to participate, correct?

24 A. We had 11 plants that participated out of
25 that stratum.

1 Q. Your effort was to have 15?

2 A. Effort was to have 15.

3 Q. But the reality was you had 11, correct?

4 A. Correct.

5 Q. So that for stratum one, you had something
6 like -- I'm doing the math very roughly -- but
7 something roughly like 40 percent of the plants
8 that fall within the largest 10 percent were in
9 your survey sample, and something less than 10
10 percent of the plants in the, what I called
11 stratum two, participated, correct?

12 A. That's correct.

13 Q. Okay. And so as a result, you obviously
14 were substantially oversampling the largest
15 plants, and purposely so?

16 A. Purposely so.

17 Q. By the methodology you chose, and the
18 result is that if one calculates a weighted
19 average cost of producing cheddar cheese, the
20 focus is only on the 16 sample plants, you are
21 coming up with a weighted average cost based
22 upon a sample population that is substantially
23 overrepresented by larger plants, correct?

24 A. That's correct.

25 Q. And if one assumes that the larger plants

1 are the most efficient, then the result would be
2 that a weighted average cost of producing, based
3 solely on the 16 sample plants, will
4 substantially underestimate the weighted average
5 cost of producing for the total population of
6 all cheddar cheese plants located outside of
7 California; is that correct?

8 A. That's a correct statement.

9 Q. Okay. And so that if the goal of USDA were
10 to determine, for purposes of setting the make
11 allowance, what the weighted average cost of
12 producing is for all commercial cheddar cheese
13 plants outside of California, it would be a
14 mistake to rely upon the weighted average cost
15 of producing for the 16 sampled plants; is that
16 correct?

17 A. If that were the goal, yes, that would be
18 correct.

19 Q. But there is a way to correct for
20 that -- strike that.

21 There's a way to adjust the sampled data in
22 order to determine what is, in fact, the
23 weighted average cost of producing for all
24 cheddar cheese plants outside of California,
25 correct?

1 A. Given the information that I have
2 available, yes, I think we can do better than
3 just the sample averages. And I made an attempt
4 to do that in my testimony.

5 Q. Okay. And, in fact, having done that
6 adjustment, you produced a weighted average cost
7 of producing for all commercial cheddar cheese
8 plants outside of California of 20.28 cents,
9 correct?

10 A. Yes, that's my estimate of the weighted
11 average.

12 Q. Okay. And if USDA were to conclude that
13 the starting point for determining make
14 allowances should be the weighted average cost
15 of producing for commercial cheddar cheese
16 plants located outside of California, then 20.28
17 cents is the number they should use. Is that
18 correct, based upon your work?

19 A. If only one number could come out of my
20 lips, that would be the best I could give.

21 Q. Okay. Now, your survey did not include any
22 marketing cost, correct?

23 A. No, it didn't.

24 Q. And are you aware of the fact that USDA,
25 when they last sent make allowances, did make an

1 adjustment to include marketing costs?

2 A. I didn't recall that. I perhaps could have
3 gone back to look at that, but no. This was a
4 cost of processing study, not a cost of
5 marketing.

6 Q. And -- well, and to be -- and I didn't mean
7 that in any critical way whatsoever.

8 A. I wasn't being offended.

9 Q. The CDFA data, for example, also does not
10 include marketing costs. And when USDA relied
11 upon that data in part back in 2001, I think it
12 was, when we last visited these set of issues,
13 they took that data and then added marketing
14 cost on top of that.

15 A. Okay.

16 Q. And that is an adjustment that can be made
17 to your numbers as well, correct?

18 A. If I had a marketing cost number, sure, I
19 mean, you could add that.

20 Q. Okay. Now, and accordingly, if USDA
21 concludes that the make allowance should reflect
22 both the weighted average cost of producing for
23 commercial cheddar cheese plants located outside
24 of California plus a marketing cost, then the
25 way one would achieve that is to take the 20.28

1 cents that you calculated and add an appropriate
2 number for marketing costs on top; is that
3 right? It's just a mechanical measure?

4 A. Certainly, that would be the method I would
5 use, I guess, if I had the marketing costs.

6 Q. Okay. Now, you -- it is correct, based
7 upon your testimony, that energy costs have
8 increased significantly since the reporting
9 periods for the plants you surveyed; is that
10 right?

11 A. Over that time period, there have been
12 significant increases, particularly with natural
13 gas cost at the end of 2005. They've retreated
14 substantially from those highs, but we have had
15 increase in both electric and gas costs, yes.

16 Q. Okay. And you do provide some calculations
17 in your report that capture for each of the
18 surveyed products what energy cost increases
19 have been experienced; is that right?

20 A. I didn't make an estimate to move the
21 energy values forward to the 2005 calendar year
22 for most observations and back for a few that
23 were into 2006.

24 Q. Okay. And if USDA were to conclude that
25 such an energy -- let me start that question

1 again.

2 If USDA were to conclude that there ought
3 to be reflected in the make allowance the
4 increase in energy costs that you have yourself
5 observed and calculated, then the proper formula
6 for determining the make allowance, assuming
7 that's what USDA wants to do conceptually, but
8 the proper formula would be to take the 20.28
9 cents that you calculate as the weighted average
10 cost of producing for commercial cheese plants
11 outside of California, plus marketing costs, as
12 we discussed a minute ago, plus an energy
13 adjustment along the lines that you calculated;
14 is that right?

15 A. Yeah. You could keep adding things on if
16 you want.

17 Q. Okay. Well, to the extent that -- well,
18 but -- and if USDA is, in fact, trying to
19 capture the realities faced by commercial
20 cheddar cheese plants in this country, they
21 would have to take into account changes in
22 energy costs, correct?

23 A. Well, it certainly is the case that is
24 going to need to be done as time goes by. I
25 could have just as easily brought those prices

1 up to the most recent PPI estimates that we
2 have, I think, which is halfway through 2006 as
3 well, as that 2005 calendar year. I mean, this
4 was my decision to say let's take a look at the
5 calendar year.

6 Q. And you have provided the data that USDA
7 could use if they wanted to take energy costs
8 into account through the end of calendar year
9 2005, correct?

10 A. Yes, that's correct.

11 Q. Now, let me just switch to the question of
12 the whey -- of whey.

13 A. Uh-huh.

14 Q. Now, you described the whey survey as
15 having been based upon a subset of the plants
16 that were part of the cheese survey, correct?

17 A. That's correct.

18 Q. And can I correctly infer from that, that
19 the whey survey was also overweighted toward
20 larger plants?

21 A. I don't have the population data, you know,
22 on volumes to make that kind of statement. I
23 would imagine that to be the case, because some
24 of these plants, as I indicated earlier in
25 testimony, are also processing product that goes

1 beyond that which they make with their cheese
2 operations. So there were some large operations
3 there, but I don't know what the population
4 looks like, so I can't say that.

5 Q. And you, as you stated in your testimony,
6 you lacked the -- let me back it up a second.

7 Your weighted average cost of processing
8 for the whey plants is based entirely upon the
9 costs of the surveyed plants, correct?

10 A. That's correct.

11 Q. You lacked the information necessary to
12 adjust that number in the way that you had been
13 able to do for the cheddar cheese plants,
14 correct?

15 A. That was true for the whey, for the butter
16 and for the nonfat dry milk, yes. I didn't have
17 the production volumes of all the plants in the
18 country.

19 Q. Okay. But your butter and nonfat dry milk,
20 those were not -- those were based upon random
21 samples, correct?

22 A. They were based on random samples, yes.

23 Q. Whereas the whey -- because the whey plants
24 were a subset of the cheese plants, it was a
25 stratified survey?

1 A. That's correct. We had more information in
2 a larger population to draw from.

3 Q. Okay. And to the extent that the whey
4 surveyed is in fact based upon a survey sample
5 that is overweighted toward larger plants, to
6 the extent that the larger plants are more
7 efficient than the result is that the weighted
8 average cost of producing that you've come up
9 with for whey likely understates the weighted
10 average cost of producing for the total
11 population of whey plants outside of California.
12 Is that true?

13 A. My professional judgment would be that
14 that's probably a true statement. But since I
15 don't have population data to know what
16 production volumes are in other plants, I can't
17 make that definitively.

18 Q. Thanks very much.

19 JUDGE PALMER: Other questions?

20 There's a rush coming on here of people.

21 Mr. Vetne, you're closer to the podium, so I
22 think you blocked them all out. Give your name
23 and your affiliations.

24 MR. VETNE: My name is John

25 Vetne, V-e-t-n-e. I'm an attorney representing

1 Agri-Mark, et al., proponents. My business
2 address is -- get this, it's, if you haven't got
3 it, it's 11 Red Sox Lane.

4 JUDGE PALMER: Are you near Boston
5 by any chance?

6 MR. VETNE: In Raymond, New
7 Hampshire 03077.

8 CROSS-EXAMINATION

9 BY MR. VETNE:

10 Q. Dr. Stephenson, good morning.

11 A. Good morning.

12 Q. In Exhibit 76, the study, you say there
13 were 16 cheese and whey plants that
14 participated. Did all of the 16 cheese plants
15 that participated in the survey have an
16 associated whey operation?

17 A. No, they did not.

18 Q. Can you tell us how many whey processing
19 facilities participated in this survey?

20 A. There were 12 whey operations.

21 Q. Can you tell us of the subgroup of large
22 plants, how many of those had whey operations
23 that participated in this survey?

24 A. I can in just a moment.

25 All of those plants had whey operations.

1 Q. Okay. You defined the large plants to be a
2 subset of the 138 plants on the list. The list,
3 in turn, was compiled by you from the C3
4 category of plants in the USDA publication,
5 dairy plans approved for grading?

6 A. That was a part of the process of
7 collecting numbers, or the names of plants and
8 plant locations. That did not include volumes
9 that those plants produced. That came from
10 other sources.

11 Q. That came from other sources. And did your
12 138 plant list include plants that are not in
13 the USDA publication?

14 A. Yes, it did.

15 Q. Do you know how many, what portion of that
16 was distributed?

17 A. I don't recall. That's getting back there
18 a little while now, but there were a number of
19 plants that we knew were not in the plants
20 approved for grading list that we added to the
21 list. There is no definitive plant list in the
22 country.

23 Q. All right. And if in addition to being in
24 the C3 category in the USDA publication list, to
25 get the 138 plants, you took out plants that

1 produced a C3 product but did not produce a C3
2 survey, NASS survey product; am I correct?

3 A. We wanted plants of commercial size. We
4 wanted plants that produced in package sizes
5 that were included in the NASS Dairy Products
6 Prices Survey. And I also wanted cheddar cheese
7 plants that produced a significant volume of
8 cheddar cheese. So you may produce other cheese
9 in those plants, but cheddar cheese had better
10 be the significant volume.

11 Q. In making a determination that 10 percent
12 of the plants are -- that was your definition of
13 the larger 10 percent.

14 A. Uh-huh.

15 Q. What is the production definition of those
16 plants in the larger 10 percent group?

17 A. You mean where does that cutoff start?

18 Q. Yeah. X amount of pounds per year is a
19 large plant in your survey, and less than X
20 amount is the rest of them.

21 A. That comes at about 34 million pounds of
22 cheese a year.

23 Q. And of the five participating large group
24 plants, do you have information on their average
25 production?

1 A. I do have that. I guess I don't have that
2 readily available here. I'd have to go back
3 through and pull it from the individual reports.

4 Q. Do you have a recollection of whether those
5 plants come in at significantly greater than
6 34 million?

7 A. I believe that they do. I believe that all
8 of them do. I'd have to take a look and see.

9 Q. Well, 34 is the cutoff?

10 A. Yeah.

11 Q. So they have to be larger than 34?

12 A. Yes.

13 Q. My question is how much larger?

14 A. Yes.

15 Q. Does it triple? Do you have any current
16 recollection of that?

17 A. I'm going to make -- I'm going to make an
18 estimate in my head here without looking at that
19 that it's probably about double that.

20 Q. For butter and nonfat dry milk plants in
21 the survey, did you use dairy plants approved
22 for grading publication?

23 A. Again, as a starting point. But to the
24 extent that we had additional information to add
25 plants to that list, we have done so.

1 Q. The eight butter plants that were in the
2 list, do you know whether -- let me strike that.

3 Of the four butter plants, how many of
4 those are part of a manufacturing unit as you
5 concluded with the eight nonfat dry milk plants?

6 A. All of them were.

7 Q. So there were four nonfat dry milk plants
8 that did not have an associated butter-making --

9 A. Or didn't report the butter.

10 Q. Or didn't report?

11 A. That's correct.

12 Q. And do you know which were those?

13 A. I have an idea, yes.

14 Q. Was it all of the four, was it
15 predominantly they didn't produce butter at that
16 location?

17 A. No, not necessarily. But many of
18 them -- or several of them didn't.

19 Q. And of the butter powder plants you
20 indicate regional diversity -- butter and powder
21 plants you indicate in your study, Exhibit 76,
22 of the butter powder plants -- butter and powder
23 plants, four were in the Western region. So
24 let's see if I can break that down a little bit
25 further.

1 Of the powder plants, how many of the eight
2 were in the Western region?

3 A. Of the powder plants, four of them.

4 Q. Okay. So the statement on page 6 of the
5 study is correct for the powder plants?

6 A. That's correct.

7 Q. Of the butter plants, are you able to give
8 information as to geography?

9 A. No. I would be getting down below my
10 aggregation level.

11 Q. And with respect to the powder plants, are
12 you able to give information on the volume of
13 production covered by the Western plants versus
14 plants in the Midwestern region?

15 A. I could go back and calculate that. That
16 would be a do-it-at-the-break kind of thing.

17 Q. Okay. Do you have an impression now based
18 on your recollection of the data in your
19 computer?

20 A. I'm going to think that the Western plants
21 were somewhat larger, but maybe not as much as
22 you might imagine.

23 Q. Okay. Your study, let's start with the
24 cheese. Your study attempted to -- well, and
25 did identify costs in 16 plants from a point in

1 processing whole milk and ended at a point in
2 processing where cheddar cheese is made, or
3 completed. And there --

4 A. There were other ingredients, of course. I
5 mean, even dairy ingredients in virtually all of
6 those plants.

7 Q. Yes. I'm just -- you're allocating to
8 cheddar cheese.

9 A. Yes.

10 Q. In your study, where did the costs start?
11 At the silo that the milk is received, or in the
12 vat or someplace else?

13 A. Well, as I indicated earlier, we did not
14 collect any cost on milk, on dairy ingredients
15 that might be used in plants. We collect all
16 costs on labor, for example, at the receiving
17 bays, electrical and gas usage throughout the
18 plant, which could be at the receiving bays and
19 on through the operation. So it begins there.

20 Q. It begins in the silo, after the milk is
21 unloaded from the truck?

22 A. No, not necessarily. We also have the
23 labor that's unloading the milk.

24 Q. The unloading process.

25 A. Uh-huh.

1 Q. And where does it end? When the product is
2 finished and put in a warehouse and ready to be
3 marketed?

4 A. Yes.

5 Q. And that's cheese? There's no aging or
6 anything else?

7 A. No. We did allow for the collection of
8 costs of outside storage even for aging of
9 cheese. But if the outside storage is used for
10 aging, that's not a part of this. This is a
11 fresh cheese. We bought it as being
12 transformation cost of milk and dairy
13 ingredients to the plant.

14 Q. All right. And a similar approach for
15 whey, it begins with the receipt of raw whey at
16 some point, which would be whey in a silo or
17 tank at a whey processing facility?

18 A. That's correct.

19 Q. And it captures, as I understand your
20 testimony, it captures transportation from a
21 cheese plant to the whey processing facility
22 where that takes place?

23 A. If the plant is moving the whey out and not
24 processing it there, it does include the cost of
25 transportation to the facility.

1 Q. And would that have been reported in your
2 survey by the cheese plant that is the seller of
3 whey?

4 A. It would have been reported by the person
5 who incurred the cost. So if the seller incurs
6 the cost of transportation to the plant, then it
7 is included there.

8 Q. So if it was part of the cheese plant
9 survey but allocated to the whey processing cost
10 side of your study?

11 A. Yes.

12 Q. And it puts an internal transfer within a
13 company from one of their cheese plants to
14 another whey plant, that company would report
15 the cost?

16 A. It would have recorded transportation costs
17 if that were the case; but if it's a transfer in
18 the plant, it's effectively a zero transfer
19 cost.

20 Q. Okay. If it's from one geo- --

21 A. From one side of the wall to the other.
22 It's zero cost.

23 Q. But if it involves trucking?

24 A. Yes.

25 Q. The cost of loading, transportation and

1 unloading would be included in your survey cost?

2 A. It would be.

3 Q. For whey that is so transported, does your
4 survey include and place somewhere a value for
5 the cost of solids lost in transportation that
6 would be different from the costs of pumping
7 whey through a line within a plant?

8 A. No, I don't account for those. I do
9 account for losses within a plant, but it's
10 based on the pounds that were received at a
11 plant and what the finished product was. We do
12 look at the pounds of solids, beginning and
13 ending.

14 Q. So if the whey that came out of a cheese
15 plant has a different weight or solid ton count
16 than the whey that was received at a silo at a
17 whey processing facility, the cost of that loss
18 is not incorporated in the survey?

19 A. No, it isn't.

20 Q. Are you aware that there are some nonfat
21 dry milk plants that make nonfat dry milk but do
22 not make butter and transfer their cream
23 elsewhere for churning?

24 A. I'm aware of that, yes.

25 Q. Where that occurs, does your survey capture

1 the cost of transporting the cream from the
2 nonfat dry milk facility where it's separated to
3 the butter plant, where it's churned?

4 A. No, it doesn't explicitly capture that at
5 all. We do take a look at what you started
6 with, I mean, what was unloaded at the plant and
7 what was processed at the plant to final
8 product. But we don't look at the cost of
9 transfer outside of that.

10 Q. The cost in your survey is based on
11 converting to butter from a volume of cream
12 received at the churner or the silo with the
13 churner?

14 A. That's correct.

15 Q. And so likewise, it would not include for
16 those facilities, those companies that transfer
17 butter fat, losses between the transfer or
18 transfer --

19 A. No, it doesn't include that.

20 Q. On page 5 of your study, you indicate that
21 virtually all plants in the survey have been
22 visited by CPDMP, Cornell Program on Dairy
23 Markets and Policy?

24 A. Right.

25 Q. Is the use of CPDMP in this sentence

1 synonymous with Mark Stephenson?

2 A. In all but one case. My colleague visited
3 one of the plants.

4 Q. Your colleague who?

5 A. Andrew Novakovich. We felt it was
6 important to visit plants so that we had some
7 idea about product flow in the plants or
8 anything that might be unusual that simply isn't
9 captured in a survey, that if we got data back
10 that looked unusual to us, we might perhaps
11 remember that, oh -- for example, oh, that's
12 right, that plant didn't process their whey;
13 they sent it out to be processed.

14 Q. Okay. For any of the butter plants that
15 participated, you indicate they were all
16 associated with a drying operation.

17 A. Yes.

18 Q. Were any of those butter plants, although
19 associated, stand-alone buildings? Do you know?

20 A. Some of these plants are practically old
21 plants that have been built on and built on. If
22 you meant did they have to back a truck up
23 somewhere and load the cream on and move it a
24 quarter mile to the churn, no.

25 Q. So they were connected by pipes?

1 A. If there was shrink, it was in pipes.

2 Q. You gave a percentage of aggregate costs
3 representing energy on the last page of your
4 statement. You won't have to go to that, but
5 I'm looking at, for example, Table 1 in the
6 study. And there is a process in the non-labor
7 segment, energy would -- all of the energy costs
8 would be included in that category, correct?

9 A. That's correct, yes.

10 Q. Did you examine the plants that responded
11 for variability in the processing non-labor
12 component?

13 A. Sure. Absolutely.

14 Q. And you indicate -- is this from the
15 breakdown in Figure 2 under study page 7, is
16 that pie graph the weighted average?

17 A. Those would be the simple averages from the
18 plants.

19 Q. Simple averages. And for the processing
20 non-labor, are you able to provide a range of
21 what that component represents from high to low
22 in the sampled population?

23 A. I can go back and calculate that, yes.

24 Q. Do you have it ready in your mind without
25 going to your computer?

1 A. No. That's not something I'd feel
2 comfortable with.

3 Q. Okay. But you would feel comfortable
4 providing that range from high to low of the 16
5 plants that is not revealing anything about the
6 individual plants?

7 A. Yeah, I'll look at it and make sure that
8 there's nothing that I think is revealing, but
9 it shouldn't. I don't see why it would be
10 revealing.

11 JUDGE PALMER: You want to make a
12 note of that, too?

13 THE WITNESS: I will.

14 JUDGE PALMER: So many requests
15 get made, that after a while you forget them.

16 THE WITNESS: More so every year.

17 JUDGE PALMER: So I note. Okay.

18 Next question, Mr. Vetne.

19 MR. VETNE: Thank you.

20 BY MR. VETNE:

21 Q. In describing the plant responses and the
22 responders' option to provide 12-month data, you
23 indicate in your testimony that they were
24 allowed to select the most recent 12-month
25 period which corresponds to the fiscal year. Do

1 I read in that a requirement that they use
2 fiscal year data?

3 A. No. And that was made clear to them. But
4 I did indicate that if some of these cost
5 categories that were going to be asked for on an
6 annual basis were easy for them because of a
7 fiscal year summary to provide, then maybe using
8 a fiscal year was a reasonable thing for them to
9 do.

10 Q. Okay. So they didn't have to provide a
11 fiscal year, but if it was easier for them to
12 provide it, they could go back to the most
13 recent one they had full records for?

14 A. Yes.

15 Q. On your testimony, I think it's page 4,
16 sample population -- sample versus population.

17 A. Yes.

18 Q. As you were reading your testimony into the
19 record, you substituted in the first line of
20 that first paragraph the word "explore" for the
21 word "extrapolate." Did you want to do that?

22 A. No. I like extrapolate.

23 Q. I do, too. Okay. Figure 1 of your
24 testimony, you indicated, is your projections
25 based from the 16 plants in the sample. That's

1 annual production versus costs with the 88.7
2 percent of variability explained by volume.

3 A. Yes.

4 Q. That comes from the 16 plants that
5 responded?

6 A. That's correct.

7 Q. And Figure 2 is data not from the
8 population from which you chose your sample
9 plants for responding, but from the smaller
10 segment of 138 plants from which you drew
11 samples?

12 A. That is true; although as it turned out,
13 the plants that we did choose were within this
14 53 plant list.

15 Q. That was my question. So all of the plants
16 that responded to your survey were in the 53
17 plant list?

18 A. That's correct.

19 Q. And do you know whether all of the 53
20 plants in this list are also part of the C3 list
21 published by USDA in plants approved for
22 grading?

23 A. I would have to look at that, John. I
24 don't know that off the top of my head.

25 Q. I won't ask you to look at that.

1 And the next page, underneath Figure 3,
2 estimation of weighted average processing cost
3 for cheddar cheese, you go to a population
4 weighted average rather than a sample weighted
5 average. Is your conclusion there of the
6 weighted average estimate of the population a
7 weighted average estimate of 138 plants or of 53
8 plants?

9 A. It's 53 plants.

10 Q. It's the 53 plants. So it doesn't include
11 in excess of 80 of the smallest, presumably most
12 expensive or highest cost plants?

13 A. That's correct.

14 Q. Impact of energy, next page. Indices of
15 natural gas, you indicated that your natural gas
16 index was derived from the Bureau of Labor
17 Statistics series WPU0531?

18 A. Correct.

19 Q. And that is the index for all natural gas
20 generically, not specifically for industrial
21 natural gas?

22 A. Yes, I realize that.

23 Q. The electric, however, was an index for
24 industrial electric?

25 A. Yes. I will admit here, if I had made the

1 choice with a clear head, I would have used the
2 industrial natural gas index here. But I
3 thought that's what I had grabbed. But when I
4 looked back at that, I didn't.

5 Q. Are you able to provide, from the sample
6 that you -- for cheddar cheese, that you
7 received information for, the 16 plants, what
8 percentage of total cheese production within
9 those 16 plants were produced in the Western
10 region?

11 A. I haven't had time to make that breakout
12 yet. I can make a note of that if you would
13 like.

14 Q. I would.

15 JUDGE PALMER: All right. Make a
16 note of it.

17 THE WITNESS: I'll make it so.

18 BY MR. VETNE:

19 Q. And are you able to indicate for the record
20 in what regions the five large plants in the
21 first stratified category are located?

22 A. I will look to see if I can do that.

23 If -- I'll look to see if I can do that.

24 Q. Look to see.

25 A. I don't want to break one or two out if

1 they're in, you know, a separate region.

2 Q. Although you did not have plant specific
3 data for nonfat dry milk, butter or whey that
4 would help you determine the size of plants and
5 distribution of sizes within the larger
6 category, did you look at data from NASS Dairy
7 Products on whey production and determine an
8 average whey production?

9 A. I didn't do that; I don't know. I mean, I
10 did take a look at that, but made the
11 determination there wasn't enough detail there
12 to be able to project something like a
13 population cost.

14 Q. For each of those products?

15 A. For each of those products.

16 Q. The next questions may, in part, address
17 the issue of -- this footnote on page 3 of your
18 testimony, but maybe not. Where a plant has
19 multiple operations and does not have a separate
20 electric meter or gas meter for each of its
21 operations --

22 A. Are you referring to product lines here?

23 Q. Yes, product lines. Sorry.

24 A. Yes.

25 Q. Product lines and does not have a separate

1 gas meter or electric meter or whatever other
2 energy measuring device for its product lines,
3 somebody allocated energy costs by nonfat solids
4 used in the surveyed product versus other
5 products. Am I correct so far?

6 A. That's correct.

7 Q. And would that somebody have been the plant
8 or you?

9 A. That somebody would have been me.

10 Q. So you received detailed information on all
11 of the product lines?

12 A. I did, yes. At least with regard to
13 composition.

14 Q. Right. And when the allocation was made,
15 let's say 10 percent of the solids were used in
16 nonfat dry milk and 90 percent in other
17 products, would you have simply allocated 10
18 percent of the energy cost to make the nonfat
19 dry milk?

20 A. That would be exactly how it would have
21 been done and was done in the case of the
22 footnote so mentioned. Many plants have
23 separate meters for major product line areas.

24 So, for example, maybe there's a meter for
25 electricity or even fuel usage in the butter

1 churn area or the butter line, perhaps even a
2 breakdown between the evaporator and the dryer.
3 And to the extent we have that information, then
4 we always would use that as a direct allocation
5 of costs. If not, I did follow CDFA's
6 methodology of indirectly allocating; however, I
7 also noted CDFA makes a real effort, if they
8 have questions about something like that, to get
9 into plants to make a better breakdown.

10 In haste, while I was pulling this
11 information together for the working paper here,
12 and on one operation I feel that -- I felt as
13 though I made a mistake, and that's why it's in
14 the footnote.

15 Q. For a plant that makes and sells condensed
16 milks -- for a plant that makes and sells
17 condensed milk and makes and sells nonfat dry
18 milk, on a per solids basis, is it not true that
19 it takes more energy per solid to produce powder
20 than it takes energy per solid to produce
21 condensed?

22 A. It does. And there's the additional energy
23 of taking it from the condensed state to the
24 final dried particle.

25 Q. Okay. So if you simply allocate based on

1 percentage of nonfat solids in the product and
2 don't adjust for the additional energy to make
3 one product versus another, you would understate
4 the energy component of the costs, correct?

5 A. I would in this particular case, yes. But,
6 you know, again, I would repeat that in the
7 absence of any better knowledge or information
8 that we have about how to allocate costs, I
9 mean, the meter is ultimately the best and only
10 way we can do that completely accurately on a
11 piece of equipment. It's better to have, I
12 suspect, good rules in place until those rules
13 feel like they aren't good. And in this
14 particular case, the indirect method of
15 allocation by solids felt like it wasn't good.

16 Q. Of the eight nonfat dry milk plants that
17 responded, do you know how many have separate
18 meters for their milk DM -- I mean, MFDM product
19 line versus other product lines?

20 A. I can check that. I don't know off the top
21 of my head. I do have information on individual
22 meters at the plants.

23 Q. And can you quickly get information on
24 volume on the surveyed plants represented by
25 plants that have individual meters versus those

1 that the information was extrapolated otherwise?

2 A. I could. It would probably be a pretty big
3 break to do that.

4 Q. Let's try do to the first one for now. I
5 just want to make sure I understand the answer
6 to one question that you provided in response to
7 Mr. Rosenbaum. Your sample, as designed, was
8 not representative of the population, but told
9 us more about large plants, 10 percent larger
10 plants than it did about, what, the remaining 90
11 percent of plants, correct?

12 A. No, it didn't tell us more about those
13 plants. It told us as much about the plants in
14 that range as plants in the rest of the range,
15 the smaller operations. The concern was if we
16 really took just the random draw from the entire
17 population, that we might only have one or two
18 observations of large plants. And that might
19 not be enough to say a good deal about what the
20 actual costs are in that range where the
21 greatest volume of product is being produced.

22 Q. The samples that you drew, however, were
23 not -- were, by design, not representative of
24 the population of 138?

25 A. That's correct.

1 Q. Okay. And actually, the samples that you
2 received, because all of the large plants
3 participated and not all of the other 90
4 percent, were even less representative of the
5 population of 138?

6 A. That's correct.

7 Q. And on three pages from the end of your
8 testimony, where you discuss weighted average
9 estimate for the population, that's -- that is
10 an effort to bring it back, bring your
11 observations back to the entire population?

12 A. It is. It's my best effort to do that.

13 Q. Thank you.

14 JUDGE PALMER: Yes, sir. Name and
15 affiliation, sir.

16 MR. GALARNEAU: Hi, my name is
17 Clayton Galarneau with Michigan Milk Producers
18 Association.

19 JUDGE PALMER: First name again?

20 MR. GALARNEAU: Clayton Galarneau,
21 G-a-l-a-r-n-e-a-u.

22 JUDGE PALMER: All right, sir.

23 CROSS-EXAMINATION

24 BY MR. GALARNEAU:

25 Q. Just a few questions, Mr. Stephenson, if

1 you don't mind. Dr. Stephenson. Getting back
2 to the problem that you had with some of the
3 data that you noted in footnote 8, was that
4 company that supplied you data, was their data
5 also used for your powder -- I'm sorry, your
6 butter cost analysis?

7 A. That plant also provided butter
8 information.

9 Q. Is it possible then that the cost
10 allocations of the butter might also need
11 adjustment?

12 A. It is possible. Again, if we have
13 relatively little direct allocation of costs,
14 then we have to make the best decisions that we
15 can on a plant. And as I indicated, we used the
16 indirect method here and followed that up with
17 corrections when it really appeared that the
18 product mix in this plant was a little bit
19 different.

20 Q. Okay. Thank you. That's all I had.

21 JUDGE PALMER: All right, sir.
22 More questions? Yes.

23 MR. BESHORE: Marvin Beshore,
24 B-e-s-h-o-r-e, 130 State Street, Harrisburg,
25 Pennsylvania, on behalf of the Association of

1 Dairy Cooperatives in the Northeast.

2 CROSS-EXAMINATION

3 BY MR BESHORE:

4 Q. Dr. Stephenson, I note just a couple of
5 questions. You indicated in your statement that
6 a portion of the cost of the product was
7 provided by the Dairy Programs division of AMS
8 through USDA. Is that pursuant to an ongoing
9 relationship with Cornell and USDA AMS has?

10 A. No. This was a special project. We
11 approached the USDA what, probably three or four
12 years ago, I guess, actually, and proposed a
13 cooperative work agreement project whereby both
14 institutions would provide some of the effort on
15 a project like this. But since the burden was
16 being largely borne by Cornell, AMS would also
17 contribute to the cost of salary and travel on
18 the project.

19 Q. In providing that cost support for a
20 portion of the project, did USDA or AMS dictate
21 the results in any way?

22 A. No, not at all. They were interested in
23 the sample or the selection of plants and how
24 that would occur, but beyond that, it was
25 completely hands off.

1 Q. Okay. And so the results that you
2 presented, the conclusions and the analysis are
3 yours and not those of any funding agency?

4 A. No, they're mine and mine alone. I would
5 take full blame or credit for these.

6 Q. Okay. Now, the portion of the cost of the
7 study that was not defrayed through USDA, was
8 that from various private sources?

9 A. No. We have general support through
10 Cornell University for faculty lines and that
11 type of thing, so this was just borne by that
12 and a special grant that we have to provide
13 general support to the dairy industry.

14 Q. So there were no special industry interests
15 of any nature that financed any portion of your
16 work?

17 A. No. None whatsoever.

18 Q. And there were no outside interests in the
19 industry or elsewhere that directed or dictated
20 any results, if you will?

21 A. No. Only the participation of the plants.

22 Q. Now, I have -- if you would turn to
23 Figure 3 of Exhibit 75, if the -- in terms of
24 the possibility of providing additional
25 information for the record and the

1 decision-making process, are you able to provide
2 information with respect to approximate or
3 extrapolated cost figures that would cover
4 50 percent of the weighted average production,
5 60 percent of the weighted average production,
6 70 percent and those types of data?

7 A. Certainly I can do that.

8 Q. And just before you get into that, the
9 20.28 would cover, on a weighted average basis,
10 100 percent of weighted average of 100 percent;
11 is that right?

12 A. No. The 20.28 percent, or 20.28 cents per
13 pound, is a weighted average value that covers
14 about 82 percent of the volume of cheese and
15 about 33 percent of the plants.

16 Q. My error. Thank you for correcting that.
17 So what other increments of percentage, say
18 beginning with 50 percent, are you able to
19 provide?

20 A. Well, I jotted a few down. The 50 percent
21 level of -- this is, again, a cumulative volume
22 of cheese processing. Beginning with most
23 efficient plants, the cost would be estimated to
24 be 18.45 cents. At 60 percent of the volume, it
25 would be 18.8 cents. At 70 percent of the

1 volume, about 19 cents. And at 80 percent of
2 the volume, it would be 19.9 cents. And at 90
3 percent of the volume, 22.7 cents.

4 Q. Thank you.

5 JUDGE PALMER: Yes, sir.

6 DR. CRYAN: Hello again. I'm
7 Roger Cryan with National Milk. I apologize for
8 not being available when --

9 JUDGE PALMER: Sure. We tend to
10 be somewhat informal.

11 DR. CRYAN: Thank you.

12 FURTHER CROSS-EXAMINATION

13 BY DR. CRYAN:

14 Q. And thank you, Mark, for missing your break
15 to come up with these numbers. Could you
16 provide a breakdown on fuel and electricity
17 costs?

18 A. I did, although over the course of that
19 particular break, I was only able to finish the
20 calculations for the cheese and the nonfat
21 plants just as an example. But I can do the
22 other two products as well at another break, if
23 you would like.

24 Q. Mr. Vetne and I would very much like that.

25 Are these just for 2005, or are these --

1 A. No, these are just the averages. The
2 electricity costs per pound of cheese, these
3 are, again, the observations that we have over
4 the time period, were 0.82 cents per pound,
5 which was about 3.95 percent of total costs.

6 Q. Those are electric costs?

7 A. Those are electric costs. And the fuel
8 costs were 1.09 cents per pound, or about 5.29
9 percent of total costs. And on the nonfat dry
10 milk powder, the electric costs were about 1.02
11 cents per pound of powder, or 6.68 percent of
12 costs. And the fuel costs were 2.37 cents per
13 pound, or about 15.53 percent of costs.

14 Q. Is it possible that you'll be able to
15 generate 2005 equivalent numbers, that you have
16 the same numbers calculated that you based this
17 on -- let me back up.

18 Would it be possible to generate 2005
19 equivalent numbers for these same numbers?

20 A. Yes. I actually did that, of course, in
21 the least aggregated that in the decimal, and I
22 can break that out in the products if you'd
23 like.

24 Q. I would very much like it any time during
25 this session.

1 A. I'll put you down on the list of breaks.

2 Q. That's all I have. Thank you very much.

3 JUDGE PALMER: Yes. Again, your
4 name and affiliation.

5 MR. SCHAD: Good morning. My
6 name is Dennis Schad, S-c-h-a-d. I'm
7 representing Association of Dairy Cooperatives
8 in the Northeast and Land O'Lakes.

9 CROSS-EXAMINATION

10 BY MR. SCHAD:

11 Q. Good morning, Mark.

12 A. Good morning.

13 Q. I have a couple questions for you relative
14 to nonfat dry milk. Probably most of the
15 questions will be there. You testified that you
16 surveyed eight nonfat dry milk plants?

17 A. Yes.

18 Q. What was the universe that you chose your
19 random sample? How many plants?

20 A. Oh, Dennis, I'd have to go back and take a
21 look. I think that there were 18, 20 plants,
22 something like that in that list.

23 Q. Were there any -- was there any particular
24 criteria in that branch?

25 A. No. We didn't have the same kind of

1 breakdown, I guess, that we did with the
2 other -- with the cheese plants, for example.
3 They did need to produce products that we were
4 looking for in the package sizes that we were
5 looking for; but other than that, the container
6 was not as tight as it was for the cheddar
7 cheese plants.

8 Q. You've noted that four of those eight
9 plants there were in the West and three in the
10 Northeast and one in the Midwest. I believe
11 there was a request for you to provide the
12 average size of the four Western plants?

13 A. Yes. And I didn't get that yet, but --

14 Q. Okay. Would you also, if you can, provide
15 the average size of the three in the Northeast
16 as well?

17 A. Okay.

18 Q. You've also said that you did not -- and
19 it's noted here, that you did not extrapolate
20 from the sample to the population size for the
21 two products I'm thinking particularly of,
22 nonfat dry milk and butter. Would you give
23 reasons for that?

24 A. I didn't have the population volume of
25 production by plant for those products like I

1 did for the cheese operations. So it really
2 wouldn't be possible for me to extrapolate, not
3 knowing what the volume produced in each of
4 those plants were in the sample population.

5 Butter was, again, so few in the way of
6 observations here, that I'm not sure I would
7 feel comfortable, even if I had those plants'
8 volumes, making that extrapolation. But I would
9 take a look at it and provide it as the best
10 estimate we have based on those few numbers.

11 Q. And when we speak of the best estimate, we
12 would be just -- strike that.

13 I noticed also that, for instance, in
14 Figure 1 of your testimony, I guess it's
15 Number 75, I think, you gave a nonlinear
16 regression for cheese. Do you have what -- is
17 there a reason for that?

18 A. I didn't do it for butter. I had done it
19 for powder. I didn't record it here, I guess,
20 because I didn't have the population range to be
21 able to plot that. I could make estimates or
22 guesses, I guess, about what a reasonable range
23 would be, but I didn't.

24 Q. So is it fair to say that the only
25 statistics that you provide for butter and

1 powder are descriptive statistics of the sample?

2 A. That's quite fair to say.

3 Q. And you're making no inferences at all of
4 the population of the butter count?

5 A. I don't have the data to do that.

6 Q. Okay. You say somewhere in your
7 data -- you say somewhere in your first mention,
8 I guess it's 7 -- is it 76, the working paper?

9 A. Uh-huh.

10 Q. You said that four of the eight plants of
11 the powder plants had a cost -- had costs
12 greater than 14 cents, which is the current
13 price; is that correct?

14 A. Yes.

15 Q. We have no idea if there is -- you give 18
16 to 20 plants in your universe. I think NASS
17 tells us probably 37 powder plants outside of
18 California. So there's no inference at all that
19 on those remaining plants, whether they are
20 producing under the 14 cents or over the 14
21 cents; is that correct?

22 A. I don't have the inference for that because
23 I, again, don't have the data on plant volumes
24 outside of the samples that I have.

25 Q. Okay. Are you aware that USDA and AMS has

1 said quite a few times that the Class III and IV
2 prices are to be market clearing prices?

3 A. I have the terminology.

4 Q. How would you describe the market clearing
5 price?

6 A. I don't know. That's a little bit -- I
7 would find it to be a pleasant definition. It
8 may be the kind of thing that you know when you
9 see it, but the prices will move to the point
10 that we feel comfortable, I guess, with the
11 stocks that we're carrying and holding.

12 We haven't had marketing clearing
13 opportunities in the last few years, more so
14 outside of the boundaries of our country than
15 we've had in the past. That's helped to clear
16 markets of what might have other years been
17 burdensome stocks.

18 Q. I think I'm more specific in kind of
19 looking at the make allowance, the cost of
20 plants to turn milk into the commodities of
21 buying power. That specifically, that's what
22 I'm talking about. USDA has said in different
23 times the 14 cents per pound, or the 11 1/2
24 cents is to reflect balancing costs, presumably
25 market clearing. Would you agree that they have

1 said that?

2 A. I don't know that. I don't recall that,
3 Dennis, from any particular testimony that has
4 been offered or papers that AMS has offered. Or
5 justifications of decisions, I guess. I
6 just -- I don't recall any of that.

7 Q. Would you have any opinion that your
8 descriptive statistics for butter and powder
9 would be at a level that would provide
10 manufacturers an adequate return to clear the
11 market?

12 A. No. Again, you know, we had a fair amount
13 of discussion earlier about whether or not I
14 could say something about the relative
15 profitability of these operations, and I can't,
16 because I don't know what the products were sold
17 for and I don't know exactly what the price of
18 the inquests were. I could look back over time
19 and see what the Class III and Class IV price
20 was.

21 I do have information about the relative
22 composition of the milk that was purchased, but
23 I don't know anything about over-order premiums
24 that may have been paid for the product. I
25 can't say anything about the profitability of

1 the plants, so I don't know whether they cleared
2 the market or not.

3 Q. Okay. Could we go to Table 3 in
4 Exhibit -- I think it's -- 76 is your working
5 paper.

6 A. Page 9?

7 Q. Yes, page 9. I'm looking at the column
8 called "Processing Non-Labor"?

9 A. Yes.

10 Q. Could you list the costs that would be
11 caught within that category?

12 A. Sure. The largest of the individual costs
13 that would be broken out of that, of course,
14 would be the utility costs, the electric, oil,
15 natural gas, purchased steam, any of those
16 utility costs.

17 And I think these pages are numbered a bit
18 out of sequence because there was an inclusion
19 of directions for the actual program, but if you
20 look back into the program pages, on page
21 labeled 12, you'll find a screen shot that's
22 entitled "General Ledger Expenses." And on that
23 screen there are a number of other costs that
24 are included in here, including things like
25 property taxes, water, garbage, sewage, grading.

1 inspection, pallet expenses,
2 travel/entertainment on down through fees and
3 assessments. Professional services are not
4 included, the legal and accounting don't seem to
5 be, the headquarter expenses. And I'd have to
6 look back to see about the short-term interest
7 expense. I believe that that's the working
8 expense and is included as well in the non-labor
9 processing costs.

10 Q. Is it fair to say, as you said in your
11 evaluation of cheese, as to terms of
12 relationship between the amount of product and
13 the cost per unit on the powder?

14 A. Oh, sure.

15 Q. Would you explain what that measure is?

16 A. Well, the relationship is in the same
17 direction, at least, reduce the economies of
18 scale, larger plants certainly have tendencies
19 to be lower-cost processors. But again, here
20 there may be important indications as to how
21 seeing the whole plant operates versus
22 nonseasonally operated operations.

23 Q. For both butter and powder, I know that you
24 were given monthly statistics of milk. Did you
25 look at seasonal variability in any of the

1 plants? Have you made any efforts?

2 A. I haven't yet. That was to be for the more
3 complete paper for this project. I didn't have
4 a chance to do that on all the plants.

5 Q. Seasonal variations, would you describe
6 that as a balancing function?

7 A. I would, yes.

8 Q. A balancing function to the cost of turning
9 milk into butter and powder?

10 A. I would certainly hypothesize that it
11 would. And in former studies when we've looked
12 at it, yes, it most assuredly adds to the costs.

13 Q. When did you start -- on what date did you
14 get, and as close as you can, but the first
15 results back from the butter manufacturer? As
16 close as you can. I'm just looking for --

17 A. I'm thinking around the first part of
18 January.

19 Q. In this year, 2006?

20 A. Of this year.

21 Q. You were getting results from butter and
22 powder in January?

23 A. I believe that I was. It may have been
24 February, but about that time period.

25 Q. Okay. Thanks very much.

1 JUDGE PALMER: Other questions?

2 MR. YALE: I have some other
3 questions, but he's going to supply some other
4 data.

5 JUDGE PALMER: And you'd like to
6 wait for that?

7 MR. YALE: I would just do
8 that rather than come back again.

9 JUDGE PALMER: That's a good idea.
10 Do we have anybody else that needs a
11 question now? Mr. Vetne.

12 FURTHER CROSS-EXAMINATION

13 BY MR. VETNE:

14 Q. John Vetne representing proponents
15 Agri-Mark, et al. I want to make sure that my
16 impression here is correct.

17 Looking at the instruction sheet for the
18 survey, in the second sequence of numbered pages
19 in the Exhibit 76, all of the entry data that
20 you have there, numbers and depreciation and
21 market value and so forth, am I correct that
22 those data are for the imaginary cheese plant,
23 Wonderful Cheese Company, and are simply served
24 to illustrate how it should be built in?

25 A. Absolutely, yes. And it's not completely

1 filled in, so you understand.

2 Q. Okay. And going back to, I think it was in
3 response to Marvin Beshore, who gave some
4 numbers, if you want to cover 50 percent of
5 volume, 60, 70, 80, so forth. Are the numbers
6 that you responded to, that you provided in
7 response and the percentages, an extension of
8 the weighted average for the population, or an
9 extension of something else?

10 A. I'm not sure what you mean by the extension
11 of this, but we -- I have the 53 plants with
12 their volumes ranked from large to small. We
13 calculate the examined costs of the plants.

14 Q. Uh-huh.

15 A. And then we begin to look at what
16 percentage of volume from the largest and lowest
17 cost operations on up to the point that we're
18 covering, say, 50 percent of the total volume of
19 cheese.

20 Q. Okay. You converted your stratified sample
21 data to provide information on what your
22 observations would look like applied to the
23 population of 53 plants?

24 A. That's correct.

25 Q. And costs and volume percentages covered by

1 those observations were not an extension of that
2 extrapolation to the population. They were an
3 extension of observations?

4 A. Those were taken as estimates from the
5 population. They weren't -- how should I say
6 it? These were not actual plants observations.
7 We only had 16 of those.

8 Q. Uh-huh.

9 A. We mapped our best estimate of a cost
10 function back onto the population of 53 plants
11 that we had.

12 Q. Right.

13 A. And then looked at those estimated costs to
14 determine what costs needed to be covered to
15 cover whatever the choice of volume was.

16 Q. Choice of volume. So, okay. In your
17 testimony you indicate that 20.28 cents would
18 cover 82 percent of the volume.

19 A. Yes.

20 Q. And in response to questions, you indicated
21 that if you want to cover 80 percent of the
22 volume, the cost would be 19.9 cents?

23 A. Yes.

24 Q. So the two percentage points' difference
25 between 80 percent and 82 percent increases it

1 from 19.9 to 20.28; is that correct?

2 A. That's correct. You're starting to get
3 into the steeper portion of the curve, yes.

4 Q. And for each of those -- I don't recall
5 that you provided information on percentages of
6 the 53 plants covered by each of those
7 percentages.

8 A. No. But I could, again, look that up and
9 give you an estimate of that. I'll put it on my
10 list if you'd like.

11 Q. Yeah.

12 A. Okay.

13 Q. I would. I would appreciate that. That's
14 at the 50, 60, 70 and 80 percent level.

15 JUDGE PALMER: We seem to have
16 concluded for a moment. I'd like to ask the
17 doctor, you've got a fair sized list to make
18 there and we're about to break for lunch. How
19 much time do you need to do all of your work and
20 also have lunch?

21 THE WITNESS: Well, if somebody
22 would bring me a peanut butter sandwich --

23 JUDGE PALMER: No, no. I'm
24 thinking we can either come back at one or we
25 can come back later.

1 THE WITNESS: That would be fine.
2 I'll make as much progress as I can.

3 JUDGE PALMER: Let's come back at
4 1:15. That gives you some time to get a bite to
5 eat. We're adjourned until 1:15.

6 (Thereupon, a luncheon recess was
7 taken at 11:45 a.m., with the
8 proceedings to be continued at 1:15
9 p.m.)

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AFTERNOON SESSION

2

1:17 p.m.

3

JUDGE PALMER: Sir, are you ready

4

to be examined again?

5

Anybody have any questions? Yes,

6

sir, I think he has the answers at this point,

7

sir.

8

FURTHER CROSS-EXAMINATION

9

BY DR. CRYAN:

10

Q. Oh, and by the way -- I'm sorry, I'm Roger

11

Cryan. I'm with the National Milk Producers

12

Federation. And I will now ask the same

13

question and ask Mark if he could provide fuel

14

and electric costs for cheese, butter, nonfat

15

dry milk and whey plants according to the

16

survey, and preferably suggested for 2005.

17

A. I did pull all those out and I will give

18

them to you. I didn't, however, adjust them for

19

2005. I started to look at that, Roger, and I

20

really need to run all the plants individually

21

again, so I didn't have the time to do that.

22

But we can make a rough adjustment on it if we

23

need to talk about it, I guess. But let me give

24

you the breakout on the product.

25

I'll repeat for a couple of these, but for

1 cheese, the electricity cost was 0.82 cents per
2 pound and for fuel cost per pound of cheese it
3 was 1.09 cents per pound. And those were 3.95
4 percent and 5.29 percent respectively of the
5 total costs.

6 For dry whey, we have 2 cents even per
7 pound of dry whey for electricity, which
8 represented 10.57 percent of the total costs,
9 and for natural gas -- or for fuel, it was 2.27
10 cents per pound, which represented 11.96 percent
11 of total costs.

12 For nonfat dry milk we had a cost of 1.02
13 cents per pound, which represented 6.68 percent
14 of total costs. For fuel it's 2.37 cents per
15 pound, which represented 15.53 percent of total
16 costs. And for butter, electricity was 0.38
17 cents per pound and fuel costs, 0.99 cents per
18 pound, representing 2.55 percent and 6.66
19 percent respectively of those costs.

20 DR. CRYAN: Very well. That's
21 it. Did you get all that?

22 Thank you very much. Thank you,
23 Mark. Good job.

24 JUDGE PALMER: Other questions?
25 Mr. Yale, I think you had some questions, too.

1 MR. YALE: Yeah, I had some
2 follow-up questions.

3 FURTHER CROSS-EXAMINATION

4 BY MR. YALE:

5 Q. Let me follow up right with some of those
6 numbers you just explained. By the way, it's
7 Ben Yale, the Select Milk, Zia Milk, Lone Star
8 Milk, Continental Dairy Products and Dairy
9 Producers of New Mexico.

10 Mark, I want to direct your attention to
11 the numbers you just gave Roger. All right? So
12 I understand this, these are all -- this
13 electricity and fuel are not alternate energy
14 sources, these are the total energy sources
15 used. Some of it's electricity and some of it's
16 fuel in the operation of these plants; is that
17 correct?

18 A. That's correct.

19 Q. So then one would say that the energy costs
20 associated with dry whey, based on what you say,
21 would be what, 4.7 cents? Or 4.2?

22 A. It would be 4.27 cents.

23 Q. 4.27, okay. And the energy costs for
24 nonfat dry milk would be 3.39?

25 A. Yes.

1 Q. Thank you. Now, you testified, I think
2 there were some questions by Mr. Beshore, maybe
3 some others, that this was part of an agreement
4 that you had with USDA to prepare this study?
5 There was some kind of cooperative effort; is
6 that right?

7 A. Yes. It was what we call a cooperative
8 work agreement.

9 Q. And you knew the purpose of this was to be
10 used at some future point in analyzing the make
11 allowances in the Federal programs; is that
12 right?

13 A. Not the exclusive purpose. I've been doing
14 cost studies for years, and with no intention of
15 them being used for Federal order processes.

16 Q. Right.

17 A. In fact, it had been quite a period of time
18 since we had done our initial cheese cost of
19 processing study, and that was the impetus on
20 our part to decide that we wanted to do these
21 cost studies again. It was time to update them.

22 Q. Are you saying that you did this with no
23 intent to be used for the Federal order program?

24 A. I'm saying initially, our desire to do this
25 was a proposal to USDA. They didn't come to us

1 and say, "Would you do this? Here's some
2 money."

3 We went to USDA and said, "We would like to
4 do this. Are you interested in this? We
5 haven't updated these in a period of time."

6 Q. But you understood once you were working
7 with USDA, that it would play a role in the
8 Federal order pricing with the make allowances?

9 A. Certainly did. In fact, we made a decision
10 to select plants for this differently than we
11 ever have in the past.

12 Q. Because of that?

13 A. Because of that.

14 Q. Okay. And you're familiar with the pricing
15 formulas that the Federal order uses, right?

16 A. I have them right here.

17 Q. And the make allowances are a critical
18 part, or a crucial part of that formula, right?

19 A. I believe that they are, yes.

20 Q. And that whatever the Department chooses to
21 do with the make allowances, up, down or
22 nothing, it does have an impact on those prices,
23 right?

24 A. It certainly will.

25 Q. And it affects a lot of people, and you

1 know that, right?

2 A. Of course.

3 Q. And a lot of money?

4 A. Of course.

5 Q. All right. Okay. Now, you issued
6 approximately two weeks ago an initial report,
7 working paper, I think you called it.

8 A. Uh-huh.

9 Q. I think you earlier today have said you're
10 going to maybe use some ideas here and other
11 information towards your final draft, but this
12 is the working paper, right?

13 A. Right.

14 Q. And in that working paper, you did not
15 indicate that you also were in the process of
16 doing a population study, did you?

17 A. I haven't -- well, I did work on this for
18 my testimony, because what we reported in the
19 working paper -- what I reported in the working
20 paper was quite simply a summary statistic of
21 the plants that we surveyed.

22 Q. Okay.

23 A. And that would be one of the papers that
24 will be a final paper, not a working paper.
25 It's just a documentation of this is what we did

1 and this is what we saw.

2 Q. And before that becomes a final paper, will
3 that go through any kind of peer-review process
4 for checking the math or the data or anything?

5 A. Oh, I'm sure. I mean, internally we've
6 already done some of that with colleagues. I
7 mean, I've done all of the work on this, but at
8 regular intervals we sit down and I get
9 criticized or complimented and make changes.

10 Q. I won't ask what the percentages were of
11 those. I'm sure there's more compliments than
12 concerns.

13 So what was the impetus to do the
14 population study? Was that requested by USDA?

15 A. No. Absolutely not. This is my testimony.
16 But understanding how this information was
17 likely to be used in a hearing like this, where
18 I was going to be asked to testify, I felt it
19 was very important that people knew and
20 understood how you ought to be working with the
21 information that came out of the working paper.

22 And I can't recall if I did or not, but I
23 think that I did say something in here in the
24 working paper, sure, that further analyses will
25 explore the reasons as to why costs vary from

1 plant to plant and so forth. And understanding
2 the relationship of those costs is an important
3 part of our larger modeling effort.

4 But, no, this is entirely my decision to do
5 that. I was not prompted by anybody, only
6 motivated by my own desire to make sure that we
7 have a good understanding of how this
8 information should be used.

9 Q. Did you review your testimony with your
10 colleagues in any way?

11 A. Dr. Nicholson looked at the testimony
12 before I published it on the Web, but it came
13 off kind of quickly.

14 Q. Now, we've talked about large plants and
15 small plants and so on and so forth. What is
16 the trend in the building of cheese plants
17 today?

18 A. Probably much the same as it is in dairy
19 farms and a variety of others that plants
20 recognize there are economies of scale. Plants
21 that are being built tend to be fairly large
22 operations.

23 Q. Now, you're -- and so as we move on to the
24 future, a greater share of that cheese is going
25 to be produced in the larger, more efficient

1 plants as opposed to the smaller ones. Is that
2 a fair assessment?

3 A. It's certainly been the trend that we've
4 been observing over the period of time. I would
5 expect that to continue.

6 Q. Now, your study, the last data that you
7 received was through December of 2005; is that
8 correct? Is that the most recent from any
9 plant?

10 A. We had a few observations in 2006. I mean,
11 just a few there, but not very many. They
12 weren't, you know, for the bulk of operations.
13 But a few operations did have fiscal years that
14 closed at the time that allowed us to use some
15 2006 data.

16 Q. So a large Southwestern plant that didn't
17 start production until the fall of 2005 could
18 not have been part of this study; is that
19 correct?

20 A. No, that would be correct.

21 Q. Okay.

22 A. And point of fact then, I think that had
23 that even been an objective of mine on a
24 particular plant, we would have foregone that,
25 because start-up years are major buildings or a

1 variety of other things in plants.

2 Q. Sure.

3 A. It just creates enough unusual information
4 that we wouldn't want that included.

5 Q. Didn't want to wait several years until
6 they had a shakeout and got themselves in a more
7 operating mode?

8 A. At least a reasonable period.

9 Q. Right. Now, I think you also, in answers
10 to some other questions, indicated some
11 understanding that the cheese manufacturing
12 business in New York, I mean, in terms of
13 following?

14 A. I have visited a number of plants in the
15 region.

16 Q. And Cornell is a -- part of the extension
17 or --

18 A. Cornell is the land granting institution in
19 New York.

20 Q. Right. So that's part of its job, is to
21 look after agriculture and try to provide some
22 kind of information to aid the industry and
23 government and everybody else, at least whatever
24 policies they have to decide?

25 A. Sure, sure.

1 Q. What is happening to the New York cheese
2 industry at this time? Can you summarize how
3 you observe it?

4 A. The New York cheese industry? Well, I
5 guess when we -- had been pooling together the
6 plant list and gone back over a period of time
7 to look at the plants that would be in this
8 plant list and look at the volumes of product
9 being processed, one of the things that struck
10 me was the loss of product through the
11 Northeast. I mean, so certainly, we've been
12 producing a good deal less cheddar cheese than
13 we had historically.

14 Q. Have you done any analysis to figure out
15 why that's happening?

16 A. No, I haven't. I mean, I guess you can
17 observe a number of different things that have
18 happened. We have continued growth in
19 population, higher demands, or greater demands
20 for fresh beverage products or soft products,
21 that type of thing. I'm speculating that those
22 have an impact.

23 Q. And supply in the Southeast?

24 A. I don't know how many loads are moving out
25 of there, but certainly if you do, as they do

1 out of the Upper Midwest and as they do out of
2 the Southwest.

3 Q. And has not only the number of plants
4 changed -- I think you maybe alluded to this, I
5 wanted to make sure -- has the mix of the cheese
6 produced in New York moved away from the
7 American style cheeses, the cheddar cheeses and
8 other cheeses predominantly or --

9 A. Over what period of time?

10 Q. In the last 10 years, 5 years?

11 A. Well, farther back than that, I guess there
12 was a great deal of growth in the mozzarella
13 industry in the Northeast. It was one of the
14 first areas where it really began to take off.
15 I'm not sure. I haven't looked at the cheddar
16 numbers, I guess, in recent years to know
17 exactly what the trend has been in New York
18 State.

19 Q. Now, one of the things that --

20 A. I should say I am aware of plant closures,
21 for example --

22 Q. Right.

23 A. -- in cheddar operations.

24 Q. But not in the other style cheeses?

25 A. No, I haven't looked at those numbers.

1 They're readily available, though.

2 Q. Okay. Now, in your studies, in your
3 working paper and your study, and during the
4 examination today, we've talked a lot about
5 cheddar cheese, and I got a little confused as
6 to -- I'm blaming that on me, so I'm going to
7 ask the questions to clarify it, but in terms of
8 what kinds of cheeses we're talking about in
9 these plants. Okay? And as I understand it, we
10 have 16 plants that -- well, we had 100 and
11 what 30-some plants that were in the C3 list?

12 A. Well, it wasn't exclusively in the C3 list,
13 but that's part of. There were 138 plants in my
14 list ultimately that I called to a smaller level
15 to look at the population.

16 Q. Right. You had 53. Of that 130-something,
17 you came down to 53?

18 A. Correct.

19 Q. And the criteria of that 53 first off was
20 that they had to produce at least a million
21 pounds per year of cheese, correct?

22 A. Correct. Of cheddar cheese.

23 Q. Of cheddar cheese, okay. And then did you
24 also require that they had to provide -- they
25 had to supply the commodity cheese that NASS

1 reports?

2 A. No, I didn't -- I didn't do that. I didn't
3 ask whether they participated in the NASS
4 survey.

5 Q. Okay. Do you have or did you have
6 available a list of the plants that participated
7 in the NASS survey?

8 A. No, I don't.

9 Q. So you were unable to crosscheck even your
10 16 against the NASS list; is that right?

11 A. That's correct.

12 Q. Okay.

13 A. And it was one of the reasons that NASS was
14 hesitant to share further population
15 information. That they weren't sure that the
16 populations that they sampled were precisely the
17 same as the ones that I was trying to get.

18 Q. And how would you define the commodity
19 cheese that the NASS reports?

20 A. How would I define it?

21 Q. Yeah.

22 A. I guess in precisely the same way. They're
23 very explicit about that.

24 Q. You weren't using anything different than
25 that? You wouldn't define it any differently?

1 A. No. I mean, we were looking at plants that
2 are producing cheddar cheese, as the cheese
3 example here --

4 Q. Right.

5 A. -- in package sizes that NASS was
6 interested in collecting in the Dairy Products
7 Prices.

8 Q. And you're aware, are you not, that one of
9 the requirements of the NASS survey is that
10 there actually has to be a sale of that cheese
11 to a third party? It can't be an intracompany
12 transfer?

13 A. I am aware of that, yes.

14 Q. All right. Now, in the area of cheddar
15 cheese, there are a lot of varieties, are there
16 not? You know, a number of varieties. I
17 shouldn't say a lot, but there's a variety
18 beyond just that commodity cheddar?

19 A. Sure. There aren't just fresh cheddars.
20 Sometimes we have incorporations of other
21 flavored ingredients, cheeses, that type of
22 thing.

23 Q. Aging?

24 A. Oh, sure. Yeah, absolutely.

25 Q. And also different packaging?

1 A. Sure.

2 Q. And if some don't make the 40-pound box
3 they do the cut and wrap?

4 A. Right.

5 Q. Or shredded, right?

6 A. Yes.

7 Q. Okay. When you went to look at these
8 cheese plants to determine their costs, did you
9 make any differentiation between the cheddars
10 that were commodity and those that made other
11 variations of that commodity cheddar cheese?

12 A. Well, again, Ben, if a plant didn't produce
13 the bulk of their product, their cheese product,
14 as cheddar cheese in either 40-pound blocks or
15 500-pound barrels -- and I do mean by that, you
16 know, sort of a commodity product at the point
17 it leaves the packaging room -- then we weren't
18 interested in that plant.

19 Q. Of the 53?

20 A. Pardon?

21 Q. On the 53?

22 A. Of the plants that we took a look at,
23 that's right.

24 Q. Okay.

25 A. And if, in fact, you know, we had

1 operations that made other types or styles of
2 cheese, you know, for example, an aged cheddar
3 cheese, we were really only looking at the
4 cheese as it's up and ready to go into the aging
5 process. I'm not looking at the aging process
6 of holding cheese for long periods of time,
7 pulling it out, cut, wrap, shred, anything else.

8 Q. All right. I want to come back there.
9 We're down to, we have the 16 plants that you
10 did. You actually observed plant costs, right?

11 A. Yes.

12 Q. And you have 37 plants that you have
13 production or -- cheese production, volumes of
14 cheese produced, right?

15 A. We have 53 plants.

16 Q. But don't those include the 16?

17 A. Yes.

18 Q. So we have 37 that you didn't observe any
19 cost?

20 A. Yes, absolutely.

21 Q. All right. Of the 37 that you did not
22 observe any of the costs, did they have the same
23 requirement that a substantial portion of their
24 production had to be commodity cheddar?

25 A. I don't know that on all of those

1 product -- or all of those plants, but I do know
2 that there are significant cheddar plants. I
3 don't know how much of their product
4 specifically.

5 I mean, if I were to send a letter of
6 inquiry to one of the plants asking if they
7 would be involved in the survey, then we would
8 follow up with additional questions. And if
9 they didn't meet the qualifications, then they
10 wouldn't be in there.

11 I will tell you that of all the plants, the
12 20 plants that were asked to be in, all of them
13 met the requirements. So I think that
14 our -- both our plant list was reasonably good
15 and the draw was good from that.

16 Q. Now, the -- and you're saying the bulk of
17 those plants, of the 16, were the commodity
18 cheddar, the substantial portion? How would you
19 describe that? Majority? I'm just trying to
20 make sure I understand. I mean, it wasn't
21 total? Their plants weren't totally commodity
22 cheddar, right?

23 A. No, not all of them were. Some of them
24 made other products, other cheese products.
25 Some of that cheddar was going to go into long

1 hold, you know, for a period.

2 Q. Or some of them may have made 640 blocks?

3 A. Oh, sure, quite a few 640s.

4 Q. Now, were the costs associated with those
5 other cheeses included in this analysis?

6 A. The costs were associated with it -- that
7 were associated with that were included in here,
8 and every product that the plant produced has a
9 cost calculated for it.

10 So a cheddar cheese cost in a plant that
11 might also produce mozzarella or Parmesan or
12 something else is going to have a cost for each
13 different kind of cheese. I'm reporting here
14 only the cheddar costs.

15 Q. Now, in your report, I want to make sure I
16 understand this. By the way, the production
17 numbers that you received for cheese plants that
18 you used for the other 37 plants.

19 A. Uh-huh.

20 Q. What year was that production?

21 A. '03.

22 Q. Is that the most recent data you had
23 available?

24 A. That's the most recent that I had.

25 Q. And you had production from the 16 plants

1 in which you observed costs. Did you use their
2 production data that was observed, or did you
3 use the production data from the 2003?

4 A. Well, of course for the working paper and
5 the calculation of these sample estimates, these
6 were from the 12-month time period that the
7 plants were reporting to me.

8 When I went back to apply these to this
9 population, the population data that I used were
10 for the 2003 time period. I did go back to look
11 at the plants that we had included in here, and
12 relative to their 2003 data, it was a very, very
13 similar kind of production. We didn't have any
14 plants that had doubled in size or halved in
15 size or anything else of the sort. They were a
16 very good reflection of what happened in 2003.

17 Q. But you were unable to know whether the
18 production of the other 37 that you had in 2003,
19 whether they continued to produce at that or
20 higher or lower levels in 2005?

21 A. That's right. I wouldn't know that.

22 Q. Now, if you would look at page 7 of your
23 working paper, and it shows an average volume
24 and group for a simple or weighted average of
25 16 million, 16 1/4 million, roughly, pounds of

1 cheese; is that right?

2 A. Right.

3 Q. Now, is it appropriate for me to get the
4 total volume in this group to multiply that
5 by 16?

6 A. Yes.

7 Q. Okay. Now, did you do any comparison as
8 regards the amount of cheddar cheese that these
9 plants represented in this as compared to the
10 amount of cheese that was reported to NASS in
11 the NASS survey?

12 A. No, I didn't do that comparison.

13 Q. And what about this comparison to the total
14 amount of cheese produced in the United States?

15 A. I didn't look at that at this time,
16 recently.

17 Q. Now, there are some reports out there that
18 one could find that the USDA publishes regularly
19 that shows production of cheddar and cheeses in
20 the United States?

21 A. Yes. They make an attempt to get as much
22 product as they can to meet their
23 qualifications.

24 Q. Right. And that's part of the NASS survey
25 that's reported each week?

1 A. That's correct.

2 Q. And then there's also a report that comes
3 out on Dairy Products that shows the amounts of
4 cheddars and other cheeses that are produced in
5 the country, sometimes by regions; is that
6 correct?

7 A. Yes.

8 Q. And are those the type of numbers that you,
9 as a dairy economist, routinely rely upon for
10 that information?

11 A. We do. We don't have a better source of
12 readily available data that covers the time span
13 if we need -- I was going to say, we do
14 certainly use NASS data, the Dairy Product, the
15 Dairy Products price data. There's not a better
16 source that we have available to us on a regular
17 basis.

18 Q. Now, I'm not trying to create a challenge
19 for you, maybe we may need to get a calculator,
20 but if we can take -- we have the 60.223 million
21 pounds of cheese processed in your 16 cheddar
22 plants, and you told me multiply that by 16 and
23 that will give me the total annual production of
24 those 16 plants, right?

25 A. Yes, that's right.

1 Q. Okay. And if we divide that -- I mean,
2 this is just simple things, but we can divide
3 that by 52 or some other number and come up with
4 the approximate amount of cheese that's
5 available each week, right?

6 A. Yes, approximately.

7 Q. Okay. We can compare that to what NASS
8 reports?

9 A. Roughly in the Dairy Products Prices, I
10 presume.

11 Q. Now, are you aware that in the Dairy
12 Product Prices Report --

13 MR. YALE: And by the way,
14 Your Honor, I'd like to take this point -- we
15 had asked for notice at the hearing in January
16 on some reports put out by USDA, and it was to
17 be through the end of the briefing period. And
18 one of those was the NASS Dairy Product Prices.
19 Of course, that briefing period ended sometime,
20 I think, in February, and we would like to
21 extend that through the end of the briefing
22 period resulting from today's hearing.

23 JUDGE PALMER: All right. That's
24 granted. Official notice will be taken of the
25 supplemental materials.

1 BY MR. YALE:

2 Q. Now, do you ever look at that NASS -- that
3 weekly report to see if there's any information
4 there that is of value to you maybe other than
5 the price?

6 A. Generally look at the price.

7 Q. You're aware that it separates the volume
8 of cheese that's reported in the cheddar --
9 commodity cheddar that's produced in the United
10 States in the Upper Midwest and then in the rest
11 of the country?

12 A. Yes, I am.

13 Q. Okay. And you're also aware that the vast
14 majority of that is outside of the Upper Midwest
15 now?

16 A. Yes.

17 Q. Would you have any venture to guess what
18 percentage of that might be coming out of the
19 Northeast?

20 A. I really wouldn't without taking a look at
21 it. I would suspect the meaning is a small
22 portion of it. I think the map that I had given
23 you, or had included in the working paper, gave
24 some indication, at least by large regions, the
25 percentage of cheese. I guess that entire

1 crescent from the Northeast, Mid-Atlantic on
2 down through Texas there is producing about
3 6 percent of the American cheese.

4 Q. Okay. I think you used the word scarce or
5 something like that, it's getting scarce in the
6 Northeast or the East in terms of production.
7 But it is. It is a small percentage. Would you
8 expect the commodity cheddar to be any higher or
9 lower as a percentage of the Northeast as
10 compared to the rest of the country?

11 Let me rephrase that question. That report
12 you gave is all cheddar cheeses? Those
13 percentages?

14 A. Yes. This is American cheese, actually.

15 Q. Okay.

16 A. Which includes cheddar.

17 Q. And that -- is a percentage of that, you
18 say is about 6 percent, but if you looked at
19 just commodity cheddar cheese, would the
20 Northeast represent a higher or lower percentage
21 of that? Do you have any idea?

22 A. I don't, Ben. I don't have the information
23 to make that kind of judgment; although I guess
24 that pride in the area you live would suggest
25 that we probably produce less of a commodity

1 product and more of a consumer eating product.

2 Q. Okay. I want to change topics here just a
3 little bit. Again, based on your testimony
4 versus the weighted sample, this discussion of
5 the population, is it -- would it be appropriate
6 to mix your population with a weighted average?
7 I mean, to put the two together and come up with
8 a composite, or would you --

9 A. Excuse me, can you rephrase that or restate
10 that?

11 Q. Well, I don't know if I can or not. I'm
12 going to give it a try. The answer may be no
13 just because I can't ask the question.

14 A. I'm just -- I want to make sure.

15 Q. I understand that. And this isn't a trick
16 question. But when you go to a population, when
17 you went to the population, you were no longer
18 dealing with a weighted average for just a small
19 sample. You're trying to estimate what the
20 whole population is, right?

21 A. That's correct.

22 Q. So you either weigh and use one of those,
23 or the other, you don't try to mix the two any
24 differently than you've done it. Would you
25 agree with that? You've taken your

1 weight -- let me back up.

2 I'm going to withdraw my question, start
3 over again. You took your weighted average of
4 16 plants and worked your way into a population
5 analysis, right?

6 A. That's right. I made estimates of what I
7 think a population would look like.

8 Q. So really, when it comes to looking at
9 this, you either look at the population or you
10 look at the weighted average, and the Department
11 gets to make, in some sense --

12 A. Of the sampling?

13 Q. Yeah, of the sampling. The population of
14 some of the weighted average, right? It's
15 adjustable?

16 A. It is.

17 Q. Right. Okay. So if you don't mix the two,
18 you don't try to average those two together to
19 come up with some composite number, that would
20 be an improper mixing of those functions?

21 A. Well, I don't think -- i think I would
22 think that would be improper. You have two
23 different pieces of information here, one that
24 tells you something about -- if you look at this
25 cost curve that was provided here in Figure 1 of

1 my testimony, the data that we have from 16
2 plants gives you a fair number of observations
3 along this cost curve, or very close to it.

4 And then when we go back to trying to ask
5 ourselves what the population estimate would
6 look like, then we make the population estimate
7 based on our best fit of that kind of data.

8 Q. Well, let's talk about that a second. I've
9 got some questions here. If we look at -- and I
10 basically -- I think this is both the 2 and 3,
11 Figures 2 and 3 of your testimony. It's where I
12 want to direct you. But let's just talk about
13 the 16 plants you have.

14 Now, going into the tables that you
15 prepared of the weighted average and the simple
16 averages and the 8 highest and the 8 lowest, you
17 have available 16 plants labeled however you
18 want to label them, their total cheese process
19 or produced annually and their total costs to do
20 that, and from that you derived an average cost
21 for the plants; and then combining them in
22 different ways you came up with either weighted
23 average or simple averages, right?

24 A. Yes. I mean, each plant has their own cost
25 per pound of product, so that's not an average

1 for that plant, necessarily, it was the annual
2 cost that was determined.

3 Q. Right. But then when you combined it with
4 other plants, you had an average?

5 A. That's correct.

6 Q. All right. Now, if I wanted to
7 determine -- and I think you did it at some
8 point in your working paper, said, okay, a
9 particular cost represents 49 percent or
10 50 percent of the cheese or whatever made. I
11 mean, whatever number that it was, right?

12 A. Uh-huh.

13 Q. And one way to do that is that you would
14 take and you would list the cheese plants in
15 descending order with the most production and
16 come down to a point where the weighted average
17 of the top to wherever you drew the line
18 approximated this weighted average price: is
19 that correct?

20 A. Yes, that's correct. We would calculate
21 the cost for each of those plants. We would
22 have sorted them from most -- or least expensive
23 of the largest operations to the smallest, and
24 then would do a cumulative number, either a
25 number of plants or of volume, and calculated

1 the percentage from that.

2 Q. Now, as I understand it, when we come to
3 Tables 2 and 3, we are no longer looking at the
4 observed data of the 16 plants, but we're
5 looking at the 2003 production of 53 plants?

6 A. That is correct.

7 Q. All right. And we are not using any of the
8 observed costs that we have from the study
9 directly in preparing Figures 2 and 3?

10 A. Indirectly we're using them. I mean, they
11 were the basis to give our best estimate of
12 these costs over plant sizes.

13 Q. But you didn't -- for example, the eight
14 lowest costs of the 16 was, like, 14-some cents.
15 When their plants were plotted on this graph,
16 they were plotted at 17 cents plus this 688,000
17 divided by their plant production, right?

18 A. Right.

19 Q. So their true observed costs were not
20 accounted for in coming up to what it was
21 costing to reach the 50 percent that you have
22 testified to somebody earlier today where you
23 draw the line at 50 percent or 60 percent on
24 costs; is that correct?

25 A. That's correct, although, Ben, we also

1 would have had plants that were above that
2 17-cent line as well.

3 Q. I understand that.

4 A. So they don't all lie on the line.

5 Q. I didn't expect them to lie on the line.

6 But haven't you effectively stripped the
7 efficient plants and the effect of the efficient
8 plants into telling the Secretary what the
9 lowest costs are to produce the first 50 percent
10 of the cheese in the United States?

11 A. I have two pieces of paper, one of them
12 that reports individual plant summaries --

13 Q. Okay.

14 A. -- as you've said, and I have another one
15 that provides the best estimate that we can make
16 based on the volume of products produced in
17 plants in the country from the population sample
18 that we know.

19 The function that was fitted to the data
20 points was fitted as well as I know how to fit
21 the function. And I think that most any
22 statistician will tell you that that is a
23 remarkable amount of variation that's explained
24 by a single variable.

25 Q. What was the total volume of the 53 plants?

1 A. The total volume of the 53 plants?

2 Q. Yes.

3 A. About 1.1 billion pounds of cheese.

4 Q. Okay. And I think we just, by taking the
5 16 plants at 60 million pounds, we come up with
6 900 -- approximately 960 million pounds
7 annually, right?

8 A. Yes.

9 Q. So that by your observed data of actual
10 16 plants of the 53, we can say that their
11 weighted average for almost 50 percent of the
12 total milk that's shown up in Figure 2 is this
13 total weighted average cost of 16.38 cents in
14 your study?

15 A. Yes. Now, you know, here I guess we need
16 to be a little bit cautious to remember that we
17 have 2003 volume data here, and we do have the
18 plant data here. Although, you know, it's
19 close, it's not exactly the same. We have
20 produced more cheese.

21 Q. Yet as I understand your testimony on
22 Figure -- I think it would be Figure 3, to get
23 to the 53 percent, we needed 19 -- I wrote it
24 down -- I think it was 19-something.

25 A. 18.45 cents to get the 50 percent of

1 cheese.

2 Q. In your Figure 3?

3 A. Yes.

4 Q. Now, I want to work back again just
5 momentarily -- and I appreciate your patience
6 with this -- back to your working study. Well,
7 I guess it's really in your testimony.

8 You talk about the confidence factor for
9 each of those four processes that you did, and
10 just dealing with cheese for the moment, because
11 I think it probably all applies, is that you
12 would agree, would you not, that generally
13 speaking, the addition of, say, going from 16 to
14 17 samples and putting those numbers in there
15 could affect both the mean and the standard
16 deviation and the confidence factor of the
17 result; is that correct?

18 A. That's correct, sure.

19 Q. All right. Or the change of -- in fact,
20 we've actually seen this in the nonfat dry milk,
21 that the change in one number for one of the
22 plants have the effect of doing that for the
23 nonfat dry milk; is that right?

24 A. That's correct, yes.

25 Q. And I think you also said that the only

1 plant in which you've had a chance to fully
2 confirm the values has been the plant that
3 called up and asked some questions regarding how
4 you allocated costs; is that right?

5 A. That is right.

6 Q. And no one else -- let me ask it this way:
7 Has anybody from USDA looked at your data and
8 analyzed how you made the decisions on how to
9 allocate costs?

10 A. No one from the USDA has, no.

11 Q. You just talked to some of your colleagues,
12 you kind of borrowed their intelligence from
13 time to time to --

14 A. I worked with CDFA early on in this process
15 to sit down and talk with them about exactly
16 what they do and how they do it. I do have a
17 copy of their audit and cost procedure manual,
18 which I'm sure you have as well.

19 Q. You probably understand it better than I
20 do.

21 A. I've certainly worked through it and plowed
22 through it. And part of the objective of this
23 process was to compile numbers in the same way,
24 to the best that we can, that California does.
25 That did two things for us. One is that we now

1 don't need to include California plants in this
2 kind of study because the data should be very
3 comparable, and it does provide us a benchmark
4 with audited data to check for the sensibility
5 of the kind of responses we're getting from our
6 plants.

7 Q. And I compliment you for making that
8 effort. It's good to see that we're not
9 involving California totally in our system.

10 Going back, though, to this idea of
11 changing one of these plants, part of the
12 reason, the impact or the change that could come
13 from such addition or modification of a sample
14 is the fact that the overall samples, or sizes,
15 are relatively small. I mean, we're talking, I
16 think what, 4 butter plants and even 16 cheese
17 plants, right?

18 A. Right.

19 Q. Now, have you ever heard or has anybody
20 suggested that anything less than 20 to 25
21 samples really makes a linear regression
22 analysis less valuable? That it's too small a
23 sample size? That the variability can be too
24 great?

25 A. Well, of course, there -- I can back up. I

1 think I know where you're going with this. I'll
2 try to make that leap of faith.

3 When we do any kind of statistics, there's
4 always a matter of how large is your sample
5 size, how variable is the sample size and what
6 are you trying to do with it? When we're
7 looking at regression, one of the things that we
8 also have to worry about is how fancy are we
9 trying to make our explanatory variables, or how
10 many of them do we have in there?

11 And the R-squared is one of the simplest
12 means of describing exactly how much of the
13 variability is accounted for in there.

14 We also have something that's called an
15 adjusted R-squared that says, wait a minute, you
16 don't have that many observations, perhaps, and
17 you used some of those in the variables that
18 you're going to be looking at here.

19 So I did do -- of course, or have reported
20 in here, now in the testimony, I'd be glad to
21 report the adjusted R-squared in this particular
22 process. Let me take a look at that. It was, I
23 believe, 0.85. So we lost very little in the
24 way of explanatory power, even with the sample
25 size that we have here.

1 Q. Now, is it my understanding that if you
2 identified other variables, that if you could
3 identify all the variables that you accounted
4 for, they would always total no more than 100?

5 A. That's correct. If you had a perfect fit,
6 I mean, explained absolutely everything, then
7 100 would be the highest.

8 I don't have that file with me. I'm sorry,
9 but it was, I believe, 0.85 something. So --

10 Q. I want to turn your attention to something
11 else entirely different from this, going back to
12 some questions of Roger Cryan and dealing with
13 energy. I think these are almost rhetorical
14 questions, but I want to make sure something
15 isn't missed.

16 You talked about increases in the energy
17 indexes in your testimony, and then there was
18 some question in terms of energy values and
19 components of manufacturing processes; is that
20 right?

21 A. Yes.

22 Q. Okay. Is it not fair to say that a change
23 in underlying energy prices also affects the
24 production of milk in the same way? There's
25 nothing that the co-ops have any advantage over

1 the producers in terms of being able to protect
2 or be subject to a higher fluctuation in energy
3 prices?

4 A. Well, to the extent that any process that
5 uses energy as an input, you're going to be
6 subject to the influence of these kind of rate
7 changes. Now, it depends in what proportion of
8 your costs are actually influenced directly by
9 these energy costs, but, yes. Sure.

10 Q. A rising tide lifts all boats?

11 A. Exactly.

12 Q. Now, you have done some research on
13 producer operations as well as processors; is
14 that not correct?

15 A. Yes, I have.

16 Q. In fact, you did a study and reported
17 earlier this year called "The Northern New York
18 Dairy Industry: A Look at Production
19 Potential."

20 A. Uh-huh.

21 Q. Now, I'm not going to ask detailed
22 questions on this one, but there's some points
23 in here that I just wanted to bring out. One of
24 the factors that you mention in -- you look
25 at -- one of things you looked at, was it not,

1 was the profitability of dairy farming in
2 Northern New York?

3 A. Yes.

4 Q. All right. And one of those factors was
5 the location of their plants vis-a-vis their
6 milk production, right?

7 A. Yes.

8 Q. In fact, you did kind of a very small
9 spatial analysis of how milk would -- prices
10 were moved based upon the absence of a plant up
11 in --

12 A. Plant closures in Northern New York, right.

13 Q. And is it not true that that is
14 primarily -- the value of that producer of milk
15 at that farm and that change, that there was a
16 function of the change or the cost to transport
17 the milk?

18 A. That's the largest portion of it, that's
19 right. There are a number of other factors that
20 come into play here, because this milk is now
21 allocated to other plants around the area, and
22 their costs of processing changed a little bit
23 based on, you know, an increase in volume of
24 those plants, too. It's not the only thing,
25 it's just the largest.

1 Q. Now, I can't recall, but in that area, they
2 are self-sufficient for their feed? They don't
3 import any feed? Or do they import feed?

4 A. We probably import feed everywhere.

5 Q. Okay. And the value and the cost of
6 importing feed is a function of transportation,
7 is it not?

8 A. Sure, as well as primary input price.

9 Q. Right. And one of the major factors of
10 transportation is fuel?

11 A. It is, yes.

12 Q. Okay. And thus the value of the cost of
13 feeds for a producer, say in Northern New York,
14 where you did the study, was in some part a
15 function of the cost of fuel to get him that
16 feed?

17 A. Yeah, although that study was not that
18 detailed.

19 Q. I understand that you didn't get that work,
20 but in general --

21 A. No. We weren't looking at imports and
22 fees.

23 Q. You were looking at other issues. Now, one
24 of the other things I think was an interesting
25 thing, and you made that report, this

1 observation before, I believe. You had a group
2 called the Millennial Study or something like
3 that, where you brought together a number of
4 progressive dairy farmers from around the
5 country and tried to analyze the profitability?

6 A. Oh, sure. This was done twice before, yes.

7 Q. What was the name of the group? I think I
8 misnamed it?

9 A. US Top Dairies.

10 Q. US Top Dairies, okay. And the general
11 consensus, I think going into that, common
12 wisdom, as we might say, was that the low-cost
13 operations in the West were more profitable than
14 higher-cost operations in the East, wasn't that
15 a --

16 MR. BESHORE: I would like to
17 interpose an objection at this point. You know,
18 in terms of farm costs, we are foreclosed in
19 this proceeding from talking about prices to
20 dairy farmers, to our -- you know, over our
21 strenuous objection.

22 JUDGE PALMER: Yes, as a matter of
23 fact --

24 MR. BESHORE: To launch into
25 costs of production in the Northeast --

1 MR. YALE: I'm going to get to
2 a point, but first of all, I will say -- let
3 me -- here's the issue. 608c -- or 608c(18)
4 says that before the Secretary can establish
5 prices, he must establish the cost of fees.

6 JUDGE PALMER: Well, maybe, but
7 this hearing notice says that we're only going
8 to consider these --

9 MR. YALE: And data associated
10 with what he's done.

11 JUDGE PALMER: We have another
12 gentleman here that wants to give testimony on
13 this subject. I saw him at lunch recess. I'm
14 going to allow him to stand and make a motion so
15 that he can get his point into the record, but
16 to actually get into evidence on it, I think
17 that's a good motion that was made. Objection,
18 and I'll sustain.

19 MR. YALE: Well, then we would
20 like to proffer and put it with the record.

21 JUDGE PALMER: Yes.

22 MR. YALE: And the proffer is
23 that the cost of fees is directly related to the
24 cost of energy. And if the Secretary is going
25 to entertain evidence from National Milk to talk

1 about energy adjustments, he has to consider the
2 cost of energy in the cost of fees to those
3 farmers.

4 JUDGE PALMER: Your proffer and
5 offer is noted.

6 MR. YALE: Okay. At this
7 point then we would move to strike and put an
8 evidence to -- in limine on any evidence on
9 energy and changes in energy costs.

10 JUDGE PALMER: I'll overrule that
11 objection.

12 MR. YALE: This is for
13 farmers, Your Honor.

14 JUDGE PALMER: I understand that,
15 sir. I'm trying to make a ruling based upon the
16 hearing notice that we have. I presume some of
17 this was discussed at the previous hearing.

18 MR. YALE: Well, it wasn't
19 because it's just being brought up.

20 JUDGE PALMER: My impression was
21 that they were trying to move this along and
22 keep it limited to this expert's testimony and
23 testimony of this sort, but that these other
24 matters were probably discussed at an earlier
25 hearing.

1 MR. YALE: Let the record
2 reflect that a half a billion dollars in
3 producer income is a defect.

4 JUDGE PALMER: All right, sir.

5 MR. YALE: And we deserve due
6 process just as much as the other industry.

7 JUDGE PALMER: All right. I'll
8 agree with you on that.

9 BY MR. YALE:

10 Q. I would like to take the next -- the issue,
11 though, is that you found, however, that cost of
12 production did not necessarily relate to
13 profitability of those operations; is that
14 right?

15 The cost of production between two farms in
16 different areas did not relate to their
17 profitability?

18 A. Well, of course, the costs aren't
19 everything. There's also no price. There's
20 income.

21 Q. And that's the same situation with plants,
22 right?

23 A. Sure.

24 Q. And we haven't had any evidence in here
25 what -- although we may have some projection of

1 what the costs are to plants, but we have no
2 indication of what income they have that offsets
3 those costs?

4 A. Yes, and I've been very explicit about
5 this. I don't have any information on
6 profitability. I had no intention of collecting
7 that. What I'm looking at here is purely the
8 cost of transforming raw product into finished
9 material.

10 MR. YALE: Well, with this
11 thing, that we continue to wish to keep the
12 hearing open to get this evidence in, and object
13 to co-ops from the Northeast not allowing us to
14 talk about production, producer prices, we have
15 no further questions.

16 JUDGE PALMER: All right, sir.
17 Well, I was going to get that gentleman up, but
18 I wanted to make sure I get you concluded first.
19 Any other questions for this witness?

20 Mr. Vetne? Oh, I'm sorry, Mr. Vetne
21 is closer. We'll get to you. You positioned
22 yourself well.

23 FURTHER CROSS-EXAMINATION

24 BY MR. VETNE:

25 Q. John Vetne for proponents Agri-Mark, et al.

1 Mark, I asked you some questions. I forgot what
2 they were, but --

3 JUDGE PALMER: Would you answer
4 them, please.

5 THE WITNESS: I should have put
6 names down by these questions, Mr. Vetne, but I
7 think that one of the things that you had asked
8 was the Figure 3, where we looked at different
9 costs estimated at the cumulative percent volume
10 of cheese, you also wanted to know what the
11 percent of plants were that were covered by that
12 cost; is that correct?

13 BY MR. VETNE:

14 Q. Yes, yes. The percent of plants for the
15 increments that Mr. Beshore asked you about. It
16 was 50, 60, 70.

17 A. Right. Fifty percent of cheese volume
18 processed would see a cost per pound at 18.45
19 cents, and that would be covered by only 12
20 percent of the plants. Sixty percent of the
21 volume would cost 18.8 percent, and that's
22 reflective of 17.5 percent of the plants.

23 Q. 18.8 cents?

24 A. 18.8 cents, yes. And 17.5 percent of the
25 operations could achieve that. Seventy percent

1 of the volume processed, we would have a cost
2 per pound of 19 cents, and 24 percent of the
3 plants could achieve that. Eighty percent of
4 the volume would be 19.9 cents per pound, and
5 31 percent of plants could achieve that. And at
6 90 percent, we have 22.7 cents per pound, and
7 44 percent of plants could achieve that.

8 Q. Thank you very much. And I asked you a
9 question about the volume in the plant samples,
10 of the total plant sample that came from U.S.

11 A. Yes. You wanted to know, I think, what the
12 percent of cheese plants were that we had in
13 the -- oh, in the sample, or in the population
14 that we drew from? I thought you had indicated
15 population. That's what I -- okay. I didn't
16 answer that question then. I answered a
17 different one. I answered the population.

18 Q. Okay. All right. Of the population.
19 We'll just go forward.

20 A. I apologize for that. The percent of
21 cheese plants that are in the West from the
22 population not including California.

23 Q. The population of 53 or 138?

24 A. 138. Were -- no, I -- excuse me, that's
25 truncated at 53. I went back and looked at the

1 53 plants. That was 33 percent of the plants
2 that were on the list.

3 Q. And you don't have data for the volume of
4 plants sampled that came from those? I mean,
5 you didn't prepare that during the break?

6 A. I didn't. I apologize, I wrote down here
7 that it was the population and that's what I
8 looked at. I can --

9 Q. And the geographic distribution of the five
10 large plants in your survey, the West versus
11 non-West?

12 A. Again, I wrote down the population is what
13 you were looking at, how many of the plants were
14 processing in the West, and that was 70 percent
15 of the large plants in the West.

16 Q. And the last question I remember making a
17 note of was if you can give me a range of costs
18 in the processing non-labor portion.

19 A. Okay. The processing non-labor for the
20 cheese plants ranged from 3.31 cents to 12.52
21 cents, and that range of those particular plants
22 respectively was 17.3 percent of their total
23 costs to 26.3 percent of their total costs.

24 Q. All right.

25 JUDGE PALMER: Do you want to see

1 if he had some other --

2 BY MR. VETNE:

3 Q. Are there others you made a note of? That
4 might be one of mine.

5 A. Those were yours.

6 JUDGE PALMER: That is it, John.

7 You didn't ask any more.

8 BY MR. VETNE:

9 Q. Okay. Then in response to a question by
10 Ben Yale, you said not all of the plants in the
11 survey made commodity cheddar. I wanted to
12 follow up on that, make sure there's no
13 confusion in the record.

14 All of the plants in the survey received
15 milk and put in their warehouse or loading dock
16 or whatever, the same product, either 40-pound
17 block or 500-pound barrels --

18 A. Yes.

19 Q. -- is that correct?

20 And one more question from Mr. Yale
21 concerning -- I think it was concerning
22 allocation, that the only plant in which you
23 made confirmed values was the one that called.
24 Again, for some you didn't need to confirm the
25 allocation because they had separate meters?

1 A. They had separate meters, that's correct.
2 And I did go back to look at all of the other
3 plants to see if there were any obvious
4 differences. I mean, things that just looked
5 like they were out of alignment relative to
6 other plants, and it didn't appear to be the
7 case.

8 Q. Okay.

9 JUDGE PALMER: Further questions?

10 Yes, sir.

11 MR. WELLINGTON: Bob Wellington with
12 Agri-Mark.

13 FURTHER CROSS-EXAMINATION

14 BY MR. WELLINGTON:

15 Q. Just a couple questions, Mark. Are the
16 current chief plants in the Northeast, including
17 those in New York State, are they importing out
18 for its producer of milk in the Northeast?

19 A. I would judge that they are.

20 Q. Would --

21 A. My understanding and knowledge of that in
22 my backyard here is that they do a great deal of
23 balancing in the Northeast.

24 Q. And would the utilization of milk shown
25 reflected in Federal Order Statistics for the

1 Northeast Federal order reflect that importance?

2 A. I would suspect so. I can't think of any
3 major plants that aren't pooled in the Federal
4 order, so the data should all be there.

5 Q. And much of the milk -- the milk of
6 Northern New York producers, does that end up in
7 cheese plants, a great deal of that?

8 A. A great deal of it does, yes.

9 Q. Just a couple questions on Table 1, page 7
10 of Exhibit 76, your report.

11 A. Yes.

12 Q. Table 1 shows the processing cost for
13 cheddar cheese plants, and you have a breakdown
14 of low-cost and high-cost plants. And there was
15 some questioning about the total costs of the
16 low-cost plants as being 14.59 cents per pound.
17 That doesn't mean that all those eight plants
18 are around that cost, immediately around that
19 cost, does it?

20 A. No. No, it doesn't mean that. It means
21 that of the eight lowest-cost plants, that the
22 weighted average total cost was that
23 calculation.

24 Q. So it's possible that several of those
25 plants could be 17 cents or more?

1 A. It's possible. I didn't look at those
2 individually. I -- but, you know, we can take a
3 look at that. I didn't look for natural
4 breakpoints in the data, I simply divided them
5 in half, much as California does.

6 Q. Would you have a simple average available
7 for that breakdown of the low cost and high
8 cost? You said it was a weighted average you
9 reported.

10 A. I did report a weighted average, but the
11 simple average for those eight plants was
12 14.73 cents. So, a little bit higher. And the
13 simple average for the high-cost plants was
14 26.58 cents.

15 Q. On Table 2, I'm looking for the same simple
16 average for the low- and high-cost plants. Do
17 you have that available?

18 A. I do. The six low-cost plants, the simple
19 average was 14.73 cents, and for the high-cost
20 plants, 30.91 cents.

21 Q. Okay. Thank you. Could you do likewise
22 for Table 3, the breakdowns?

23 A. The four low-cost plants had a simple
24 average of 13.21 cents, and the four high-cost
25 plants had a simple average of 17.97 cents.

1 Q. Okay. Thank you, Mark.

2 JUDGE PALMER: Anyone else,
3 questions? You want to go this way? Yes, sir.

4 MR. SCHAD: Dennis Schad, ADC
5 agent.

6 FURTHER CROSS-EXAMINATION

7 BY MR. SCHAD:

8 Q. I guess I'll start by possibly apologizing,
9 because I may have confused you when I was
10 questioning about the idea of market clearing
11 price. And with your permission, I'd like to
12 read to you a paragraph that you read into the
13 record at the 2000 hearing, which was also
14 quoted from a "Hoard's Dairyman" article you
15 wrote also in 2000 called, "Why Do Make
16 Allowances Matter?"

17 And the paragraph -- a paragraph that you
18 read in said: "If processors must pay more than
19 the market clearing price, they will not want to
20 buy as much milk as is available. Farmers then
21 may be left with unsold milk, or their
22 cooperatives will be forced to find outlets for
23 distressed sales of milk. This would constitute
24 one form of disorderly marketing, something
25 Federal orders are supposed to prevent."

1 Do you recall?

2 A. I do recall that. I wouldn't have without
3 the prompting, but thank you.

4 Q. Do you --

5 MR. YALE: Your Honor, I want
6 to object. If we're here to talk about
7 Cornell's study, the article he wrote about
8 balancing, that doesn't show up anywhere in this
9 hearing notice.

10 JUDGE PALMER: Well, I understand
11 your point, but I gather -- and I'm not quite
12 sure where you're going with this other than
13 that you wanted to -- you're questioning the
14 witness and you're bringing up something he said
15 before.

16 MR. SCHAD: I will relate this.

17 JUDGE PALMER: All right. Go
18 ahead, sir. I'll overrule the objection at this
19 time. Go ahead.

20 BY MR. SCHAD:

21 Q. Okay. And would you still agree with that
22 statement?

23 A. Yes. I think that's applicable anywhere,
24 not just the Northeast.

25 Q. Would you agree that the definition of the

1 market clearing price is the price of the
2 process it pays for something, so in the case of
3 Class IV, it would be -- if it was butter
4 powder, it would be the Class IV price?

5 A. The complete price, not just the regulated
6 price, yes.

7 Q. Okay. It would be based on Class IV price
8 if it's a federally regulated plan?

9 A. Yes.

10 Q. And it was being used to produce butter or
11 powder. I guess I'm -- all right.

12 Your assertion then is that if the Class IV
13 price is the NASS price less a make allowance
14 times a yield factor, the yield factor is
15 constant based on these kinds of things, the
16 NASS price is the commodity price. So if the
17 Department was to make -- to institute a market
18 clearing price, the number they would be looking
19 for is that make allowance. Would you agree
20 with that?

21 A. Well, both of the parameters are important,
22 make allowance and yield factor. I think that
23 it's important that you get those numbers right;
24 but I think that I have also stated that one of
25 the worst areas you can have in regulating

1 minimum prices is regulating them too high,
2 because we don't have a market clearing
3 mechanism for that.

4 If they're regulated too low, then
5 producers are unwilling to produce as much as
6 the market wants. We do have a mechanism where
7 we'll order prices and premiums to try to
8 generate it.

9 Q. In all fairness, that is the complete gist
10 of it. My question is, that relates to your
11 survey, is that when you look at the fact that
12 three of the four butter prices that
13 are -- three of the four butter plants that are
14 in your survey have costs, make allowances costs
15 at their plant, if you will, higher than 11.5
16 cents that is in the current order. What
17 is -- the descriptive statistics within your
18 survey, how far do they go to give guidance,
19 give any guidance to the Department in
20 instituting a market clearing price?

21 A. Well, you know, again, I think -- this is
22 all based -- or much of what we have based here.
23 I mean, we have plants that have processing
24 costs that I've observed that are in the
25 high 10s. I mean, not just 10, not just 20, but

1 well above that.

2 And, you know, by definition, you could
3 look at that and say, well, these plants can't
4 possibly make money. They must be losing money
5 with every hundred pounds of milk they process.

6 The truth is that they probably are selling
7 cheese not at the NASS prices, or they wouldn't
8 be able to make ends meet. So I can't say
9 whether or not plants would be willing to buy
10 all of the milk that they are going to process
11 in powder unless you know what they're selling
12 powder for or if they're selling just a basic
13 commodity powder, Dennis.

14 Q. And your assumption is that they are
15 commodity powder that's being captured in the
16 NASS price for that month?

17 A. Yeah. I mean, as an economist, the
18 statement that I did make earlier and repeat
19 here is that to clear a marketplace, you're
20 better to err on the side of making a larger
21 allowance than a small one.

22 Q. Thank you. The other question I have is
23 the eight co-op plants in the powder survey --
24 the eight powder plants in the powder survey.
25 Were they cooperative? Were they owned by

1 cooperatives?

2 A. I'm a little nervous about that, Dennis. I
3 think that there aren't enough plants --

4 Q. You can't?

5 A. I would say no.

6 Q. Okay. Also, did you have the opportunity
7 to answer the two questions that I posed to you,
8 the average size of the four nonfat powder
9 plants in the West and the average in the
10 Northeast?

11 A. Yeah. I can't answer that, again, without
12 divulging confidential information. I did take
13 a look at that.

14 JUDGE PALMER: Other questions for
15 this witness? Yes, sir.

16 FURTHER CROSS-EXAMINATION

17 BY MR. ROSENBAUM:

18 Q. Dr. Stephenson, you were asked, I think,
19 some questions about the production covered by
20 the 16 cheddar cheese plants in your sample?

21 A. Yes.

22 Q. And I think you testified that they
23 represented roughly 960 million pounds of
24 production; is that right?

25 A. I believe that's correct.

1 Q. And you reported a number for the 53 plants
2 as well, correct?

3 A. I -- yes. I gave a number that I think was
4 1.1 or 2 billion.

5 Q. Okay. And it may be that by your being
6 asked to do things on break, it puts a burden on
7 you that doesn't allow you to check your
8 numbers. I just have a question about whether
9 that 1.1 or 1.2 billion number is likely to be
10 accurate, because by definition, your 16 plants
11 don't include 8 of the largest plants, correct?

12 A. Yes, you're right. I'm --

13 Q. And so doesn't that sort of suggest the
14 1.1 billion number must be low?

15 A. I think that you're probably right. I
16 would like, I guess, to back up and take a look
17 at that to make sure about it.

18 Q. Okay.

19 A. And it was a different year, but that
20 wouldn't account for that much difference.

21 Q. Okay. I just -- one would infer that
22 probably the number is higher; is that fair?

23 A. It probably is. I'd have to look at that
24 to make sure. I thought I did the calculations
25 very well. It was kind of quick.

1 Q. All right. I'll switch to a different
2 topic. When you did the survey, you had data,
3 cost of processing data for the 5 plants that
4 were among the largest 10 percent, correct?

5 A. Correct.

6 Q. And you had data for the 11 plants that
7 were surveyed that were in the remaining 90
8 percent?

9 A. Correct.

10 Q. Based upon size of production, correct?

11 A. Correct.

12 Q. And you then calculated or derived a
13 20.28 cent weighted average cost of processing
14 for the population as a whole, correct?

15 A. That's correct.

16 Q. Could you just take us through the step,
17 how you -- how did you do that? How did you get
18 to the 20.28 cents?

19 A. Well, you take the function that was
20 estimated, and we apply that to all of the plant
21 pounds that I have for the 53 plants to
22 determine what their cost per pound was. And to
23 get to the weighted average value for the 53
24 plants, you would multiply the costs that's
25 computed there by the pounds of product

1 produced, add that all up, the total value up,
2 and divide by the total pounds of product that
3 we had in the 53 plants. That gives us the
4 weighted average cost per pound.

5 Q. Okay. Thanks very much.

6 JUDGE PALMER: Other questions?

7 MR. YALE: I have a
8 clarification. Are we going to get that total
9 number then?

10 JUDGE PALMER: I guess if we have
11 another break, we will.

12 MR. YALE: Okay.

13 JUDGE PALMER: You want to wait
14 for that?

15 MR. YALE: Yes.

16 JUDGE PALMER: Questions over
17 here? Yes, sir. I thought you might have one
18 or two.

19 MR. ROWER: Thank you, Judge
20 Palmer.

21 DIRECT EXAMINATION

22 BY MR. ROWER:

23 Q. Jack Rower, AMS Dairy Programs. Mark, how
24 many -- well, can you tell us how many cheese
25 plants were represented as -- in your sample

1 that were proprietary plants?

2 A. Yes, let me take a quick look. Just under
3 50 percent were proprietary.

4 Q. Okay. Somewhat less than eight then.

5 Thank you.

6 A. Seven.

7 Q. Thank you. Earlier you had talked about
8 the sample size for the butter plants, and you
9 had said you were uncomfortable with the size of
10 the sample. How many butter plants, for the
11 future, would you be comfortable with with
12 respect to using the cost data?

13 A. I had originally intentioned to get 10
14 butter plants in this study. I think that that
15 number may be difficult to achieve going
16 forward, but I'd feel a lot better if I had 8 of
17 them anyway.

18 Q. So at least eight?

19 A. I think that that gives me a number that I
20 feel much more comfortable with than the four.

21 Q. Thank you.

22 A. And, you know, there are ways to determine
23 sample size given some information that you have
24 about plant populations, or what would be
25 appropriate. Now that we have a little bit more

1 information about variance and numbers and a few
2 other things, we could probably do a better job
3 of determining what sample size really should be
4 if we want a certain level of confidence in the
5 numbers. I didn't have that at the time that we
6 did the study, and the numbers seemed
7 appropriate at the time, if not achieved.

8 Q. Right. So having more NASS data, or the
9 NASS data available to you would be more
10 helpful. Is that what you're saying?

11 A. Well, not just NASS data, but also time
12 enough and encouragement, I think, to have
13 complete participation in there. We had two
14 plants was all out of all plants that were asked
15 that declined to participate, so it was not a
16 large number. The rest of them were just in
17 stages of having data that I felt were not
18 complete yet.

19 Q. Okay. Thank you. Now, early on in your
20 testimony you talked about the treatment of the
21 data. And in your report you mentioned a bit
22 about the handling of the outliers. Could you
23 expand on how you treated outliers, what an
24 outlier was with respect to the samples?

25 A. In these reports?

1 Q. Yes.

2 A. I don't believe that I did anything in
3 these reports to treat out- -- in fact, I know I
4 didn't do anything in these reports to treat
5 outliers differently.

6 Q. Okay.

7 A. They were simply included in the aggregate
8 numbers of a high or low, eight or four,
9 whatever the numbers really were.

10 Q. Okay. Thank you. Mark, would it be
11 accurate to summarize regarding balancing plants
12 that other than -- well, with respect to nonfat
13 plants and butter powder plants, excuse me, that
14 you just cannot divulge which plants are
15 balancing plants and which aren't?

16 A. Well, I do have information about how
17 seasonally the plants were processing product.
18 That may give you an estimation of it. It's a
19 little difficult, I think, to say this plant's
20 balancing and this plant isn't. We have cheese
21 plants that balance, we have soft product plants
22 that probably balance to some extent. So I'm
23 not sure how to classify plants specifically.
24 But I do have information on just how variable
25 their production levels were.

1 Q. Okay. Thank you. Henry Schaefer has a few
2 questions for you.

3 DIRECT EXAMINATION

4 BY MR. SCHAEFER:

5 Q. Henry Schaefer, USDA. In the California
6 study, when they published their averages, they
7 removed the 500-pound barrel numbers and
8 replaced them with 40-pound blocks. Did you do
9 anything like that with the information here on
10 the packaging costs?

11 A. I did, Henry. There were two, three plants
12 where I used the average 40-pound block
13 packaging cost for the plants who didn't report
14 information on 40s.

15 Q. And so if they had -- they reported 500,
16 you kept those, though?

17 A. Yes.

18 Q. And also California, when they publish
19 their numbers, they give a vat yield, or a yield
20 and a vat test. Do you have any information on
21 these for these plants that you could give to
22 us?

23 A. I do have that information. I didn't
24 summarize it for this hearing. I haven't had
25 the chance to go through that, I guess,

1 completely. But we do have vat information on
2 all the operations.

3 Q. And then on your footnote in your
4 testimony, you mentioned that there was a nonfat
5 dry milk plant that you went back and looked at
6 and made some changes based on their allocation.
7 Can you tell us which group, whether that was in
8 the high, low group, and what changes were made
9 to the specific cost categories?

10 A. It was in the high-cost group, and the
11 changes that were made for allocation purposes
12 were that I had gone back to plants that had
13 meters on other product levels so that we could
14 look at a direct allocation of electricity and
15 gas on the products that were in question here
16 in this particular plant. And I made the
17 percentage allocation change based on those for
18 those products that were in question.

19 Q. So that would change the non-labor
20 processing portion?

21 A. It would change the non-labor processing.
22 It was an energy allocation question in
23 particular.

24 Q. And that is reflected then in the numbers
25 that you gave in response to a question of

1 energy costs by category?

2 A. Yes. All of those included updated cost.

3 Q. And in your study on your summary -- and
4 for instance, in the third paragraph there, you
5 talked about exactly one-half -- or exactly half
6 the nonfat dry milk participants cannot achieve
7 processing costs indicated by the make
8 allowance.

9 When you are referring to make allowance in
10 that case, are you referring to the current make
11 allowance as used in formulas, or to the make
12 allowances that you've calculated here?

13 A. The make allowances used in the formulas.
14 I simply looked at what I calculated the plants'
15 processing costs to be and looked to see what
16 the formulas indicated for a make allowance and
17 made the assessment as to whether they were
18 achieving that or not.

19 Q. I think that's all I have. Thank you,
20 Mark.

21 JUDGE PALMER: Any other
22 questions? We're going to take a break with
23 you. We're going let you do a little more
24 homework, and we'll call you back maybe in a
25 half hour or so.

1 THE WITNESS: All right.

2 JUDGE PALMER: Meanwhile, there's
3 a gentleman in the back who wanted to give
4 testimony, and I indicated I probably wouldn't
5 take it, but I'll have him at least come forward
6 and make his motion and state what he wants to
7 give testimony on. It's along the lines of the
8 testimony -- of the evidence Mr. Yale wanted to
9 investigate.

10 Go ahead, sir, let's get your full
11 name and affiliation.

12 MR. WOLFE: My name is Bryan
13 Wolfe. I'm a dairy farmer from Ashtabula
14 County. I'm vice president of Ohio Farmers
15 Union, and I also sit on the board of the
16 National Family Farm Coalition, which is a
17 coalition of 35 national and regional farm
18 organizations across the country.

19 And what I wanted to do is just kind
20 of add to what Secretary Dennis Wolff said about
21 some cost production figures for dairy farmers.

22 JUDGE PALMER: All right. And as
23 I say, we're not going to accept it, but we'll
24 let you make an offer of proof --

25 MR. YALE: Can I be heard on

1 that?

2 JUDGE PALMER: Yes, yes, go ahead,
3 sir.

4 MR. YALE: I find the denial
5 of a producer who took the time to come here and
6 talk about new make allowances -- these aren't
7 the same ones we talked about in January. This
8 is a guy that's going to hurt. And if we don't
9 have the time to hear what they have -- this is
10 a producer program, and I think that he should
11 be given the time to make that presentation.

12 JUDGE PALMER: Well, I'm what they
13 call Administrative Law Judge.

14 MR. YALE: I understand that.

15 JUDGE PALMER: And the
16 Administrative Law Judge only does what the
17 Agency assigns him to do, not like an Article 3
18 Judge. And in this notice it says
19 specifically -- and I read it before, let me
20 just read it again.

21 It says specifically, "The reconvened
22 hearing will take evidence only," it has the
23 words "only" italicized, "only data on plant
24 manufacturing costs compiled by Cornell
25 University and any other pertinent data or

1 information specifically addressing plant
2 manufacturing costs that would be publicly
3 available. Other factors contained in Class III
4 and Class IV price formulas will not be
5 addressed at the reconvened hearing."

6 So I feel bound by that. That's why
7 I'm not taking evidence. But I am going to let
8 the gentleman make an offer so the Secretary can
9 see his offer of proof, see if they want to
10 reconvene again.

11 MR. YALE: Can I ask the
12 counsel for the Secretary if it's the -- they
13 haven't objected, Your Honor. I know you're the
14 referee and I respect that, but we have not
15 heard -- I would like the Department to come on
16 record that a producer cannot talk about these
17 costs.

18 JUDGE PALMER: Would you like to
19 make a statement?

20 MS. DESKINS: Yes, Judge.

21 We agree with what Judge Palmer says.
22 The notice is very clear on what it covers, and
23 it seems like the testimony about to be given is
24 outside the scope of the notice.

25 JUDGE PALMER: And the problem is

1 if we -- what it is, other people have a right
2 to have their evidence to -- that may be
3 contrary to it, et cetera, et cetera, and I'm
4 prepared, based on the notice.

5 MR. YALE: But isn't that what
6 the hearing is about?

7 JUDGE PALMER: No, it's not. The
8 hearing right now is about this particular
9 economic --

10 MR. YALE: All right. Then we
11 move that the hearing be adjourned as being an
12 illegal hearing. This is a hearing called under
13 608c under the AMA to take evidence regarding
14 the prices of the milk for producers.

15 JUDGE PALMER: What we're going to
16 do, we're not going to adjourn the hearing or
17 stop it, but your comments are all going to be
18 with this record, and the Secretary, in his
19 infinite wisdom, may wish to reconvene another
20 hearing at some time.

21 MR. YALE: Well, just let the
22 record reflect that we're objecting to this
23 denial of due process.

24 JUDGE PALMER: I understand. Sir,
25 would you now make your offer of proof? What is

1 it you would have testified to?

2 MR. WOLFE: I just wanted to
3 add to what Dennis Wolff said. On August 23rd
4 of this year, I testified at a US House Finance
5 Committee hearing on agricultural credit issues,
6 and at that hearing I testified that according
7 to the USDA, total economic cost for Ohio's milk
8 production was over \$24 a hundred; and
9 basically, you know, I think if you can justify
10 a hearing for an increase in the make allowance,
11 dairy farmers should be able to justify a
12 hearing for their costs of production.

13 And I think the reason for this make
14 allowance hearing is that they haven't had an
15 increase in six years. Our support price has
16 been dropping since '82. So that's it,
17 basically. I didn't want to cause any trouble.

18 JUDGE PALMER: No, you didn't
19 cause any trouble.

20 MR. WOLFE: That's what I
21 wanted to say.

22 JUDGE PALMER: And your remarks
23 are in the record for the Secretary to see. All
24 right. Let's see. Let me think for a minute.

25 MR. BESHORE: Judge?

1 JUDGE PALMER: Yes.

2 MR. BESHORE: Can I just make one
3 note with respect to this colloquy?

4 JUDGE PALMER: Yes.

5 MR. BESHORE: We do not object to
6 and didn't object to Mr. Wolfe's testifying,
7 but -- I'm not arguing with your ruling. The
8 problem, a problem with the proceeding, is that
9 the Secretary, because of -- in supporting
10 rulings made by your predecessor in January, has
11 truncated and limited and curbed the ability of
12 the representatives of the dairy farmers,
13 including cooperatives of the processing plants,
14 to mitigate the impact of these potential orders
15 on dairy farmer income. And that's all I want
16 to say.

17 JUDGE PALMER: I don't know what
18 my predecessor did. I know he's a very good
19 judge and I don't think he made any mistakes.
20 All I know is I have a specific hearing notice
21 in front of me that says what we're to do and
22 what we're not to do, and I'm going by that.

23 Yes, sir?

24 MR. WOLFE: Can I make just one
25 more comment?

1 JUDGE PALMER: Go ahead, sir.
2 Part of your offer of proof, you want to extend
3 it a little bit.

4 MS. DESKINS: State your name
5 again.

6 MR. WOLFE: Brian Wolfe.
7 What's quite obvious is the whole dairy pricing
8 system isn't working for many of us, the
9 farmers, the processors and the consumers. And
10 to be fair, I think we need to have a hearing
11 that addresses the real problems, and this is
12 basically a mandate for a major corrective
13 operation.

14 JUDGE PALMER: All right, sir.
15 Well, your remarks are in there and the
16 Secretary can look at them and decide what he
17 wants to do about other hearings.

18 Yes, Mr. Yale?

19 MR. YALE: In light of
20 the -- your ruling regarding the word "only" the
21 study, the only study that was noticed on the
22 date that the hearing went out was the working
23 paper of Dr. Stephenson. In his testimony he
24 has information that goes beyond the working
25 paper. It is beyond the word "only."

1 JUDGE PALMER: Well --

2 MR. YALE: And I'm going to
3 move to strike that testimony that was not
4 included in the working paper.

5 JUDGE PALMER: I don't want to
6 keep reading the notice, but I disagree with
7 you, and I'm going to --

8 MR. YALE: Very well.

9 JUDGE PALMER: -- strike down your
10 motion to strike, or not grant it. It says
11 plant -- "only data on plant manufacturing costs
12 compiled by Cornell University and any other
13 pertinent data or information specifically
14 addressing plant manufacturing costs that would
15 be publicly available." I think that his whole
16 report fits that.

17 MR. YALE: But the information
18 that he presented of the 53 plants and all that
19 data is only available to him. It's not been
20 available even to the Department. That's not
21 publicly available data.

22 JUDGE PALMER: Well, you've got my
23 ruling, and if I'm wrong, I'm wrong.

24 MR. YALE: I understand that,
25 but, I mean, it's just, to me, I think it's a

1 travesty that the farmers can't but they can.

2 JUDGE PALMER: All right, sir. I
3 appreciate it.

4 I have listed several other
5 witnesses, and I want to see if any of them are
6 available at this point. Who do we have that
7 was going to be a witness? Anybody here?

8 All right. So you want to take the
9 stand now? Are you ready? You need one for the
10 reporter.

11 DR. CRYAN: I've got copies for
12 the staff and the Judge.

13 JUDGE PALMER: What's your next
14 number, 77 is it?

15 MR. ROWER: Yes.

16 JUDGE PALMER: I will mark this
17 statement as 77. And if you would raise your
18 right hand, sir.

19 (Thereupon, Exhibit 77 was marked for
20 purposes of identification.)

21 ROGER CYRAN, PH.D.,
22 having been first sworn by the judge, was
23 examined and testified under oath as follows:

24 MR. YALE: Your Honor, we
25 would just reopen our objection to this as not

1 being public data and to being part of the
2 Cornell Study.

3 THE WITNESS: Your Honor, may I
4 state what --

5 JUDGE PALMER: Let me look at the
6 wording one more time. I don't know, is this
7 publicly available data?

8 THE WITNESS: This is
9 essentially -- this is a discussion. These are
10 a response to the data that has been made
11 available for this hearing.

12 JUDGE PALMER: All right. I'll
13 make allowance --

14 THE WITNESS: It's some of the
15 data that's been made available and on the
16 record from the previous hearing.

17 JUDGE PALMER: All right. I'll
18 overrule that objection.

19 Go ahead. Do you have a question,
20 Mr. Beshore?

21 MR. BESHORE: No.

22 JUDGE PALMER: All right. Would
23 you give your name and affiliation, sir?

24 STATEMENT FOR THE RECORD OF ROGER CRYAN

25 THE WITNESS: My name is Roger

1 Cryan, C-r-y-a-n. I'm affiliated with the
2 National Milk Producers Federation.

3 I've been the director of economic
4 research for the National Milk Producers
5 Federation for six years. Prior to that I was
6 the economist in the Atlanta Milk Market
7 Administrator's office. My Ph.D. is in
8 agricultural economics from the University of
9 Florida, I am a member of the Secretary of
10 Agriculture's Advisory Committee of Agriculture
11 Statistics and several professional
12 associations. I've been involved in agriculture
13 and agricultural economics for 25 years.

14 NMPF is the voice of America's dairy
15 farmers, representing over three-quarters of the
16 country's 67,000 commercial dairy farmers
17 through their memberships in NMPF's 33 member
18 cooperative associations. And a list of those
19 cooperatives was put on the record in January.

20 It is the position of the National
21 Milk Producers Federation that any changes in
22 the manufacturing costs, or make allowances, for
23 cheddar cheese, nonfat dry milk, butter and whey
24 should incorporate monthly energy cost
25 adjusters.

1 It is our intention at this hearing
2 to testify only on the use of energy cost
3 indices with respect to the cost of processing
4 data presented this week, and to ask that notice
5 be taken of pertinent publicly available data,
6 including Producer Price Indices for Industrial
7 Electricity and Industrial Natural Gas.

8 And at this -- the footnote at the
9 bottom of the page identifies two series from
10 the Bureau of Labor Statistics.

11 JUDGE PALMER: You want official
12 notice taken of those?

13 THE WITNESS: One of them I
14 believe was identified by Dr. Stephenson. But
15 I'd like to ask official notice be taken of both
16 of those.

17 JUDGE PALMER: Read them into the
18 record what they are.

19 THE WITNESS: BLS Series
20 WPU0553 -- I'm sorry, WPU0553 and BLS Series
21 WPU0543. And I will discuss in more detail what
22 those are.

23 JUDGE PALMER: And they're from
24 the Bureau of Labor Statistics.

25 THE WITNESS: They're both

1 available at the website whose URL is identified
2 at the bottom of the page. Should I read that?

3 JUDGE PALMER: We'll take official
4 notice of that.

5 THE WITNESS: Thank you. NMPF
6 urges the inclusion of a monthly indexing
7 adjustment to the energy cost components of the
8 recalculated make allowances. The most volatile
9 element of cost, by far, has been energy. Cost
10 of dairy processors. Increases in other costs
11 have been more gradual, and have been partially
12 offset by increased productivity in the
13 manufacturing process.

14 Energy price increases in recent
15 years have overshadowed other cost changes and
16 gains in productivity. These increases have not
17 been covered by the current fixed make
18 allowance. The drastic rise and fall of these
19 costs makes a one-time fixed increase in the
20 make allowance inappropriate.

21 When energy prices rise dramatically,
22 fixed make allowances fail to provide adequately
23 for plant costs; when they fall precipitously,
24 they provide an unfair windfall to processors at
25 the expense of producers.

1 NMPF therefore urges USDA to adopt a
2 mechanism that would adjust the make allowances
3 on a monthly basis for changes in energy costs,
4 using the most recent available Producer Price
5 Indices for Industrial Electricity and
6 Industrial Natural Gas. Those are the two
7 series I asked for notice.

8 Some of this testimony will seem to
9 simply restate our January testimony. However,
10 the introduction of Dr. Stephenson's data and
11 the movement of energy prices since January both
12 demand a modest but significant update of this
13 statement.

14 Of all components of manufacturing
15 costs, the most volatile by far are energy
16 costs. They can swing violently, while such
17 costs as labor, sewage, laundry and insurance
18 tend to move slowly and consistently.

19 A fixed make allowance, such as the
20 current one, depends upon an estimated energy
21 cost at a single point in time. If a fixed
22 increase were implemented on the basis of the
23 extraordinarily high energy costs incurred in
24 late 2005, the resulting make allowance would
25 now be excessive, as natural gas prices, for

1 instance, have regressed toward their long-term
2 norms, as our January testimony anticipated.

3 The Producer Pricing Indices in
4 Figure 1 have been updated since January and
5 demonstrate this point. In fact, these have a
6 longer -- there's a longer list of price series,
7 Producer Price Index Series which were all
8 noticed at the January hearing, and I would only
9 ask that they be updated, the notice be updated
10 through the data available through the time of
11 this hearing. Should I list the Series numbers
12 again?

13 JUDGE PALMER: You want it updated
14 to the ones that have already been officially
15 noticed?

16 THE WITNESS: Ones that have been
17 noticed in January.

18 JUDGE PALMER: All right. We'll
19 take official notice of those from then until
20 now.

21 THE WITNESS: Thank you.

22 A regular adjustment to this highly
23 volatile element of the cost of dairy processing
24 is the best way to maintain equity between
25 producers and the processors of the benchmark

1 products.

2 In the interests of equity and of
3 maintaining each market's capacity for
4 balancing, the Federation urges that the rule
5 that results from this proceeding include
6 formulas to provide for monthly adjustments of
7 processors' energy costs, based on published
8 Producer Price Indices. Such indexing would
9 allow specific and regular adjustments, both up
10 and down, to reflect changes in plants' costs of
11 natural gas and electricity.

12 NMPF recommends that the energy index
13 adjustments be calculated from the Producer
14 Price Indices, again, for Industrial Natural
15 Gas, I offer the Series number again, and
16 Industrial Electric Power Distribution, weighted
17 by the direct cost of electricity and fuels per
18 pound of product, as estimated for 2004 by
19 USDA/RBS and CDFA and for 2005 by
20 Dr. Stephenson, in whatever proportion those are
21 given weight by the department.

22 Whether the energy cost estimates are
23 expressed in 2004 prices or 2005 prices, the
24 corresponding annual average PPIs would be used
25 as the bases. The 2004 annual average PPI was

1 201.7 for Utility Natural Gas and 147.2 for
2 Industrial Electricity Distribution. The 2005
3 annual averages were 249.4 for Utility Natural
4 Gas and 156.2 for Industrial Electricity
5 Distribution.

6 Although a modest one-time adjustment
7 could move the formulas closer to equity under
8 current conditions, a new fixed make allowance
9 would already be out of date when it is
10 implemented. It will unfairly penalize
11 processors when input prices go above the
12 baseline in the revised survey, and unfairly
13 penalize producers -- I'm sorry, will unfairly
14 penalize producers when input prices go below
15 the baseline. An energy cost indexing element
16 can and should be added to the formula.

17 If the make allowances are updated
18 and the 2004-equivalent or 2005-equivalent
19 survey data, we recommend adjusting them each
20 month to account for the often violent rise and
21 fall of energy costs. We recommend that the
22 electricity and fuels elements of plant costs be
23 inflated or deflated according to the formula
24 that I outlined here.

25 The resulting make allowances would

1 be equal to a base make allowance plus an energy
2 make adjustment. The energy costs to be
3 inflated could be derived from the energy
4 elements of each cost survey in proportion to
5 their weight in the final calculation of each
6 base make allowance.

7 The objective of the formula is to
8 adjust the energy components of the cost of
9 processing for each benchmark commodity. Energy
10 is by far the most volatile element of
11 processing cost. Automatic adjustments to
12 energy costs will cause the make allowance to
13 more consistently reflect the costs that it is
14 intended to reflect. The resulting make
15 allowance would be neither too high nor too low,
16 as energy costs swing up and down.

17 This statement is a bit redundant,
18 because it was done at short notice due to some
19 changes in circumstances, so I'll skip over some
20 of it.

21 There's a table. Table 2 outlines,
22 for illustrative purposes, the energy costs for
23 each of the four products that were presented in
24 the January hearing. I would point out that
25 comparable numbers were offered by

1 Dr. Stephenson that are comparable to these, at
2 least in the format.

3 The Producer Price Indices are
4 published by the Bureau of Labor Statistics as a
5 measure of changes in the prices of a large
6 number of inputs to production. The prices for
7 some inputs are measured separately for
8 residential customers, commercial customers and
9 industrial customers. Industrial customers
10 include manufacturing and mining. These indices
11 are published monthly, in mid-month.

12 The Producer Price Index for
13 Industrial Natural Gas is designated as BLS
14 Series WPU0553. Its base period is December
15 1990; that is, the index that is equal to 100
16 for that month. The series tracks the average
17 price of natural gas sold by utilities to
18 industrial customers.

19 A note from the economist who works
20 most directly with the Producer Price Index at
21 the BLS was provided at the January hearing as a
22 clarification of that definition. It was
23 attached to our statement at that time. And the
24 detail of that note clearly distinguishes the
25 Industrial Natural Gas index as the one most

1 directly applicable to manufacturers' costs of
2 energy.

3 That is contrasted to the natural gas
4 series that Dr. Stephenson used, which he
5 indicated in his testimony during
6 cross-examination was not the series he would
7 have used if he had to do it over again. That
8 series represents natural gas prices at the
9 wellhead and is less relevant to the price paid
10 by manufacturers than the industrial natural gas
11 series.

12 The Producer Price Index for
13 Industrial Electric Power Distribution is
14 designated as BLS Series WPU0543. Its base
15 period is 1982; that is, the index is set equal
16 to 100 for the annual average of 1982. This
17 series tracks the average price of electricity
18 sold by utilities to industrial customers,
19 defined as manufacturing and mining operations.

20 Both of these series can be retrieved
21 from the website that's listed there,
22 <http://data.bls.gov/cgi-bin/srgate>. And I've
23 already ask that notice be given.

24 My January statement and testimony
25 provided additional evidence of the

1 applicability of energy cost adjusters. And
2 rather than restate that, I will refer the
3 Secretary to that statement.

4 The energy price indexes we cite are
5 published monthly by the Bureau of Labor
6 Statistics. The make allowance should be made
7 as current as possible by monthly updating.
8 This would provide for smaller month-to-month
9 changes than if adjustment were made quarterly
10 or annually.

11 Just as the milk price formulas are
12 calculated and applied each month as a formula
13 of the dairy product prices, so should an energy
14 cost formula be calculated and applied each
15 month in the revised formulas.

16 Again, my January statement offered
17 specific Federal order language to effect our
18 proposal for energy cost indexing of the make
19 allowance. And I would refer the Secretary to
20 that statement.

21 The formulas need to be adjusted on a
22 regular basis to reflect continuing fluctuations
23 in energy costs. The use of an energy price
24 index in the formula is the best and fairest way
25 to deal with this issue. Revised make

1 allowances with energy cost indexing would
2 provide specific relief to plants squeezed by
3 higher energy costs, then reduce make allowances
4 again when the squeeze is off.

5 We urge Dairy Programs and the
6 Secretary of Agriculture to consider an energy
7 cost adjuster that incorporates monthly energy
8 cost indexing.

9 I have some additional comments I
10 would like to add to that.

11 JUDGE PALMER: Yes, sir.

12 THE WITNESS: In the recommended
13 decision of who -- the recommended decision
14 issued on September 13th, which is the Federal
15 Register at 71 FR 54118, the Department made the
16 decision -- recommended a decision on
17 transportation credits in the Appalachian and
18 Southeastern markets. It recognizes the process
19 of supplying supplemental Class I milk carriers
20 with energy prices, just as a cost to Class III
21 and IV manufacturing.

22 That decision implements monthly
23 energy cost indexing, and I believe that that's
24 an important precedent for establishing regular
25 updates on the basis of energy costs, and I

1 would ask that -- I guess that's an official,
2 it's in the Federal Register, it doesn't need
3 notice, but I would ask that that be --

4 JUDGE PALMER: Official notice is
5 taken. And your statement, which was
6 marked -- did I mark it?

7 MS. DESKINS: Seventy-seven.

8 JUDGE PALMER: Seventy-seven,
9 we're receiving that.

10 (Thereupon, Exhibit 77 was received
11 into evidence.)

12 THE WITNESS: Thank you.

13 JUDGE PALMER: Questions?

14 THE WITNESS: I have -- I'm not
15 done.

16 JUDGE PALMER: You're not done,
17 all right.

18 THE WITNESS: As in the portion
19 Mr. Rosenbaum indicated, USDA must consider
20 changes of energy costs if it's to reflect the
21 current cost of processing, and that
22 is -- that's what we're asking for on a monthly
23 basis.

24 I would also ask for general purposes
25 that notice be given of the Dairy Product

1 reports. I think that's appropriate. I think
2 that's an update of reports that were -- that's
3 a report of production, monthly and annual
4 production of dairy products in the United
5 States.

6 JUDGE PALMER: Any objection to
7 that? It sounds a little -- it doesn't quite
8 sound like it's on target. If there's no
9 objection, I'll take official notice. Is there
10 any objection? Doesn't appear to be any.
11 Official notice is taken.

12 THE WITNESS: And now I am
13 finished.

14 JUDGE PALMER: All right, sir.

15 THE WITNESS: Thank you, Judge.

16 JUDGE PALMER: Now questions.

17 CROSS-EXAMINATION

18 BY MR. YALE:

19 Q. Afternoon, Roger. Ben Yale on behalf of
20 Select, Continental, Zia and Dairy Producers of
21 New Mexico and Continental Dairy Products.

22 Can you tell me, based upon the information
23 you just received from Dr. Stephenson, as to how
24 much you would adjust make allowances based on
25 energy? Basically, I mean, let's say it's

1 effective as of today, do you have any number,
2 any impact? Using your formula.

3 A. Based on Dr. Stephenson's numbers, I
4 haven't had time to assess that, no. A specific
5 number, I haven't had time to come up with
6 specific numbers, but we believe that the
7 Department should consider -- the Department is
8 going to come up with numbers that are
9 appropriate for make allowances, we believe, and
10 consistent with that, the energy cost should be
11 adjusted using pricing indexes.

12 To the extent that we can identify an
13 appropriate -- some appropriate way to measure
14 the energy cost for each product, then I could
15 lay out for you how we would address that and
16 what the numbers would be.

17 Q. That's what I want. I don't want you to
18 tell me what make allowness you want the
19 Department to set. I know that's not your
20 position. Your position is simply to take
21 whatever the department comes up with and put it
22 in this energy adjuster, if I understand. Is
23 that right?

24 A. Yeah. We're using a very specific method
25 of adjusting the numbers they come up with as a

1 result of the process.

2 Q. Assuming the make allowance is X, based on
3 testimony of Dr. Stephenson, which goes up
4 through a certain point, is there an adjustment
5 that would take effect, say as of today, based
6 upon this index? Can you give us some
7 indication of what the impact your information
8 would have on his cost or proposed cost or
9 suggested averages, however you want to use it?

10 A. As of -- I couldn't -- I couldn't do a
11 calculation. I don't have -- I don't have the
12 numbers in front of me. I can tell you that
13 whatever part of the final make allowance is
14 determined to be related to energy costs for
15 each product, we would inflate or deflate by the
16 most current price index divided by the Producer
17 Price Index for that energy source and the
18 average of the base period, or period for which
19 those make allowances have been calculated.

20 So if the make allowances are based on data
21 for 2004, we would take the most current
22 Producer Price Index for Industrial Energy, for
23 Industrial Electricity and divide it by the
24 average Producer Price Index for Industrial
25 Electricity for 2004 and multiply that by the

1 energy that is determined to be the electricity
2 component of the make allowance, of the
3 manufacturing cost of the make allowance.

4 Q. All right. So let's assume that today a
5 final decision is issued, or at least an
6 operative decision based upon the hearing
7 record. Are you asking the Secretary to adjust
8 numbers that it uses for make allowances to
9 reflect the current value of energy as of the
10 month that he issues the decision?

11 A. As recent -- I beg your pardon?

12 Q. Yeah, I'm sorry. As recent as possible,
13 like today or last month or whatever is
14 available.

15 A. Ask me the question again, please.

16 Q. All right. There's evidence, one would
17 suggest that there's some evidence out there of
18 what the make allowances ought to be.

19 A. Uh-huh.

20 Q. Or even if the make allowances, he doesn't
21 change those but determines there's an energy
22 component, an existing make allowance?

23 A. That's certainly possible.

24 Q. So let's assume that, so we don't have to
25 argue any numbers, let's assume that there is an

1 energy component in that. And are you asking
2 the Secretary then as of the most recent date
3 prior to issuing the decision to establish a new
4 base, or identify what the base is for adjusting
5 the energy? I mean, how would you come up with
6 the base that you would use to add the energy
7 cost to?

8 A. The base would have to be identified. In
9 the data presented in January, all the data was
10 based on cost for 2004.

11 Q. Okay.

12 A. So that the most reasonable base would be
13 the average PPI of these two energy elements for
14 2004. Mark -- Dr. Stephenson's numbers are for
15 some -- some range in between, potentially,
16 ideally, if they were adjusted for the energy
17 costs, they were adjusted for 2005, it would
18 have a 2005 base.

19 The Department may need to consider looking
20 at the 12-month period that he said at 63
21 percent of his plants were in some
22 approximation. But the general idea would be
23 for month-to-month adjustments in that based on
24 the most recent data.

25 Q. Okay. So you're going to take a

1 monthly -- you're going to have an average for
2 12 months, but then we're going to do
3 month-to-month adjustments on that?

4 A. If that's -- if the data is based on 12
5 months, that's an appropriate period for
6 establishing the base.

7 Q. I want to just ask you, you put in Table 2,
8 which was the USDA, RBCS and CDFA numbers.
9 You're just now adding what Dr. Stephenson
10 testified to? You're not replacing? Or how are
11 you dealing with those numbers?

12 A. Actually, I sat down to work on that table
13 and expected to compare the previously submitted
14 data with the Cornell numbers, which is the
15 reason that this table is even in here today.
16 However, that was the point -- it was at that
17 point I was reminded by looking at the Cornell
18 Study that he had not actually broken those
19 numbers out in the working paper or the
20 testimony. So they're there in anticipation of
21 Dr. Stephenson's numbers being available for
22 comparison.

23 Q. Now, you will note, based on the CDFA
24 study, the total energy cost for whey is 0.56
25 and that of powder is 0.411 and about a penny

1 and a half extra for whey over powder. Do you
2 see that?

3 A. I see that.

4 Q. And I think Dr. Stephenson's reflected some
5 similar differences, but I noticed that in the
6 RCBS study, it's a reverse. Are these numbers
7 correct or --

8 A. I couldn't say whether they're correct.
9 These are -- these numbers are received.

10 Q. Okay. Now, you mentioned the NASS, to have
11 the Secretary take notice of its decision on
12 transportation allowances. And the purpose of
13 that decision was, was to ensure that there's
14 sufficient income available to attract milk to
15 market in the Southeast; is that right?

16 A. Supplemental milk.

17 Q. Supplemental milk, right. Recognizing that
18 the cost of transporting that is one of its
19 highest costs, right?

20 A. That's my -- that's what I understand from
21 my incomplete review of the decision.

22 Q. As the hearing notice stands now, and the
23 record as it goes now, if the Secretary were to
24 adopt your proposal, and assuming energy costs
25 go up, the energy costs for either III or IV,

1 depending on what is the mover, will also -- if
2 those costs go up, that would have the effect of
3 raising the make allowances, right? If energy
4 costs go up, right?

5 A. To the extent that those energy costs are
6 reflected in the PPI, they would be -- they
7 would raise the make allowances in the context
8 of our proposal, our recommendation.

9 Q. And a raising of the make allowances then
10 reflects any lowering of the minimum price for
11 that class, right? It's an inverse?

12 A. That's -- that -- yeah, mechanically,
13 that's the impact, yes.

14 Q. All right. And the current pricing for
15 Class I is a function of the higher of III or
16 IV, right?

17 A. We have a -- we have an overall position on
18 this hearing, which has been put on the record
19 and has been disputed by many people, including
20 yourself. It's on the record if you want to see
21 our discussion, but anything beyond energy
22 indexing, it's in there. Today I'm just talking
23 about energy --

24 Q. I understand that. But I want to come to a
25 point here, is that if you -- if your energy

1 costs go up, the decision you just mentioned
2 will cause the credits for supplemental milk to
3 go up, right? Because the energy costs went up,
4 right?

5 A. The energy costs --

6 Q. Go up.

7 A. The -- if energy costs go up, according to
8 our -- following our recommendation, the make
9 allowance would also go up.

10 Q. Okay. And at the same time that your
11 recommendation, what you're using, the precedent
12 of this decision that just came down within the
13 last week, that same increase in energy prices
14 will also result in increased credits for
15 supplemental transportation, credits for
16 supplemental milk into the Southeast, right?

17 A. That's right. They are adjusting Class I
18 supplemental credits based on the same logic
19 that they are costs that rise with energy costs
20 that shouldn't rise with energy costs. The
21 compensation in the system should rise with
22 energy costs.

23 Q. So the way these things are coming
24 together, we have a potential where on the one
25 hand we're going to use energy to increase the

1 cost of bringing milk into the Southeast, but
2 simultaneously, if your proposal is adopted,
3 approved, going through the make allowance and
4 then through the higher-up the appropriate
5 manufacturer, you would be reducing the Class I
6 mover; is that right?

7 A. Unfortunately. And to the extent that we
8 try to mitigate that, we are not allowed.
9 However, I'm not here to talk about that.

10 Q. I understand that, but you brought up that
11 notice and I just wanted to tie the two
12 together. I have no other questions.

13 JUDGE PALMER: Questions?

14 Mr. Vetne.

15 CROSS-EXAMINATION

16 BY MR. VETNE:

17 Q. John Vetne for proponents Agri-Mark, et al.
18 Roger, good afternoon. Thank you for coming and
19 thank you for requesting official notice of that
20 which I was going to ask official notice for.

21 Just so there's no confusion, in response
22 to a question by Ben Yale in the last series of
23 questions, I think proposition, or the premise
24 was the same increase in energy costs that apply
25 to the make allowance would apply to the

1 transportation credits.

2 A. They apply to the Class I class in general,

3 but we haven't been allowed to present that,

4 so --

5 Q. Let me ask you this: The index for
6 transportation credits relates to oil and
7 diesel, correct?

8 A. Uh-huh.

9 Q. Oil products?

10 A. Uh-huh.

11 Q. And there's a separate PPI for oil and oil
12 products and diesel fuel; there's a separate PPI
13 for natural gas; there's a separate PPI for
14 industrial natural gas; there's a separate for
15 electricity. And though sometimes they move
16 together, they may move together at a different
17 rate and sometimes they don't move together,
18 correct?

19 A. Well, the transportation credit decision is
20 based on weekly numbers from the Energy
21 Information Administration, I think is the name
22 of the agency. So it's not based on a PPI, it's
23 based on a most recent four-week average minus a
24 reference price.

25 And I presume there's -- I know there's

1 other PPIs that would perhaps be more directly
2 related to, you know, the transportation
3 industry; however, those do move together, those
4 are anthologized among the energy issues. So
5 I'm not sure where you're going.

6 Q. Well, my point is that our discussion of
7 energy has multiple components. It includes
8 electricity, it includes natural gas, it
9 includes oil and oil products among others?

10 A. That's right.

11 Q. It suggests whenever the Secretary starts
12 with a basis of one year for energy?

13 A. And I suggest that because of the date that
14 that's been presented so far. And every case
15 has been based on calculations on surveys of
16 plants over the course of a year.

17 Q. And, in fact, when the Bureau of Labor
18 Statistics indexes its prices, it chooses a
19 one-year base to show monthly changes from that
20 base?

21 A. Not always, but often, yes. Some of those
22 series are based off single month and some are
23 based off a year.

24 Q. The data that you reported here, 1998, you
25 have 100 on Figure 1, page 2 of your testimony.

1 The chart.

2 A. That's my reindexing.

3 Q. That's your reindexing. And you provided
4 your own base of 1998?

5 A. I calculated the average for -- the average
6 index -- I calculated an average for 1998
7 because all these have different bases. In
8 order to make them comparable, they have to be
9 brought together.

10 The two series that we recommended for use,
11 for example, the Industrial Natural Gas series
12 has a base in December 1990, which is a
13 single-month base. By contrast, the Industrial
14 Electrical Power series has a base of 1982,
15 which is based for a whole year.

16 But this testimony -- the base -- the base
17 is some place to start. It's -- arguing over
18 whether the base is 12 months or 1 month is
19 arguing whether your car goes to 10 or 11.

20 MR. VETNE: Your Honor, I have
21 a couple of additional requests for official
22 notice.

23 JUDGE PALMER: Yes.

24 MR. VETNE: It seems like a
25 good time. We did take official notice of NASS

1 Dairy Products monthly and annual, correct? Is
2 that what you asked for?

3 THE WITNESS: Yes, I did.

4 JUDGE PALMER: NASS Dairy Pricing.

5 MR. VETNE: NASS Dairy
6 Products, N-A-S-S, Dairy Products, an annual
7 report for '05 published in April. I believe it
8 was April. And then monthly up through the date
9 of briefing.

10 JUDGE PALMER: All right.

11 Official notice is taken.

12 MR. VETNE: In addition to
13 that, Your Honor, I'd like to ask for official
14 notice from the Energy Information Agency, which
15 is a unit of the Department of Energy, a
16 document -- a publication called "Short-Term
17 Energy Outlook Report," released in September of
18 '06, this month.

19 And in particular, the portions of
20 that table that relate to natural gas and
21 electricity, which are tables 8C and 10C, which
22 have information quarterly, actual prices for
23 2005 through early 2006, and then projections
24 the remainder of '06 through '07.

25 And the URL for that is

1 www.eia.goe.gov/emew/steo/pub/contents.html.

2 And that gives you the cover page for that
3 short-term --

4 JUDGE PALMER: Is that the
5 industrial prices?

6 MR. VETNE: Tables 8C and 10C
7 provide natural gas and electricity costs in
8 those tables, both for residential and
9 industrial.

10 JUDGE PALMER: Official notice is
11 taken.

12 MR. VETNE: Then in addition to
13 that, I would like to request official notice of
14 the publicly available document published on the
15 Internet by the California Department of Food
16 and Agriculture, which is the "Proceeding for
17 Including Hearing Panel Report and Decision of
18 the California Secretary of Agriculture on
19 Class II, III, IVC, IVB Price Formulas," a
20 hearing from June 1 and 2 of 2006.

21 This was published about a month ago,
22 and along with that, the Secretary of
23 Agriculture of California announced that he was
24 going to defer an implementation for a period of
25 time and it would be effective very shortly.

1 And that provides the application of
2 the California make allowance data, which
3 Dr. Stephenson discussed and we've discussed
4 which Dr. Stephenson tried to follow, and also a
5 reference to the prices and the allowances that
6 will be, in effect, very shortly in California.

7 JUDGE PALMER: Anybody have any
8 problem with that?

9 MR. YALE: Yeah, I have an
10 objection. It's California. This is the
11 Federal Order Program. And we already have gone
12 beyond using California data for the make
13 allowances. Dr. Stephenson so testified. And
14 we can't cross-examine these people, we cannot
15 examine that record. We have no ability to
16 challenge what they've done or anything else.

17 Now, if they want to -- I mean, we
18 would just object to the addition of the
19 California decision. I mean, it's rationale.
20 It's logic. It's facts. They're presenting
21 this in the record. It's not just a statement.

22 JUDGE PALMER: What's the Agency's
23 decision on that? Do you have any thought on
24 that? I'd defer to Mr. Rower.

25 MS. DESKINS: Judge Palmer, in

1 the first part of this hearing we did have
2 people who came from California to testify about
3 the survey that they were doing of manufacturing
4 costs, so I believe taking official notice of it
5 would not be beyond the scope, since they were
6 already part of the first hearing. We are
7 talking about official notice here as opposed to
8 testimony.

9 JUDGE PALMER: All right.

10 Well -- yes, go ahead, sir.

11 MR. YALE: Yeah, I would just
12 want it supplemented that their cost study is
13 part of the record, but this isn't the cost
14 study. This is a decision of a body that has
15 come to a conclusion that we cannot
16 cross-examine or challenge. I mean, it's like a
17 submission by Dr. Stephenson that this is what
18 it ought to be. We have no way to go beyond
19 those numbers. You know, that rationale.

20 We did challenge what they published
21 as a study, but that's not necessarily what they
22 translated into in terms of these make
23 allowances. And there's also changes in yields
24 and everything else that aren't part of the
25 record.

1 JUDGE PALMER: What would you say
2 to that, Mr. Vetne?

3 MR. VETNE: Poppycock.

4 JUDGE PALMER: That's all right.

5 MR. VETNE: Let me say that the
6 California decisions on make allowance and the
7 level of their make allowances have been part of
8 the make allowance records and debates since
9 Federal reform.

10 One of the things we're looking at is
11 how California applied its study and its
12 approach to make allowance, what the result was
13 in that decision, how that result is going to be
14 applied here.

15 It meets the definition certainly of
16 the hearing notice, publicly available
17 information. It's available on the Internet.
18 It's available to everybody. In fact, there was
19 a hearing notice, and California people
20 have -- as part of this hearing, people in
21 California have talked not only about their
22 process, but by what their historical make
23 allowances have been and arguments have been
24 made to, you know, how do we correlate and
25 relate Federal make allowances to California's?

1 They do have an impact. And part of
2 the decision of both agencies is we don't want
3 to get too far out of line from what they've
4 done, because it has competitive impact and
5 production impact.

6 So this simply carries the same type
7 of information that was in the record in January
8 and in the record in 2001 and 2002 and the 1999
9 Federal reform decision.

10 MR. YALE: I'd go back, we
11 can't talk to producers, the impact, they
12 shouldn't be able to bring that issue up. It
13 says publicly available data, not publicly
14 available information.

15 JUDGE PALMER: Well, I'm going to
16 allow official notice to be taken, but we will
17 take official notice, and in doing so, I would
18 suspect that there's some restrictions in how it
19 can be used. The secretary probably couldn't
20 just take their reasoning and say this is our
21 reasoning because California said. But the
22 evidence in there can be used and official
23 notice is taken.

24 MR. VETNE: Thank you.

25 JUDGE PALMER: All right.

1 Anything further from this witness?

2 Yes, sir, Mr. Beshore.

3 CROSS-EXAMINATION

4 BY MR. BESHORE:

5 Q. Roger, is it your intention that if the
6 price -- price index under your energy formula
7 is lower at the time of promulgation of any
8 rule, is lower than it was during the base
9 period of the cost studies used to establish a
10 make allowance, that the make allowance should,
11 in fact, be reduced for that reduction in energy
12 costs?

13 A. Yes.

14 Q. And if it's higher, it should be increased?

15 A. Yes. Nationally.

16 Q. And it should then have the same effect
17 from month-to-month?

18 A. Yes. It's not an issue of fairness, it's
19 equity.

20 Q. So, in fact, it's one small but
21 nevertheless potentially meaningful way that
22 these make allowances could return reduced costs
23 if they're out there to dairy farmers?

24 A. Yes.

25 JUDGE PALMER: Can you just

1 illustrate how the make allowance would work as
2 modified with these considerations?
3 What -- right now, what do you have? You have a
4 Class III price plus the make allowance? Is
5 that it? Or less the make allowance?

6 THE WITNESS: The Class III
7 price, in effect, is the price, the market price
8 for cheddar cheese and whey, each one with a
9 make allowance subtracted and then multiplied
10 by -- essentially multiplied by a yield, how
11 many pounds of each product --

12 JUDGE PALMER: All right.

13 THE WITNESS: -- are derived from
14 100 pounds of milk.

15 JUDGE PALMER: So the make
16 allowance is imbedded into the Class III price?

17 THE WITNESS: That's right.

18 JUDGE PALMER: And, now how would
19 you have this kind of make allowance that has
20 fuel and natural gas? I gather other
21 considerations besides those, how would it be
22 segmented? I can't quite see the formula.

23 THE WITNESS: The current
24 Class III and Class IV price formulas are
25 calculated every month in a spreadsheet that

1 incorporates the monthly product prices of
2 butter, powder, cheese and whey. So that, in
3 effect, there is a process, in terms of actually
4 physically doing the calculation from published
5 data, would be just the same as it is
6 except -- with the exception you have two
7 additional data series that you would bring into
8 the formula on a monthly basis based on whatever
9 is most currently available from the Bureau of
10 Labor Statistics.

11 But the idea is that in addition to
12 having the prices of the products going up and
13 down in the formula each month, you would also
14 have that component of that subtracted make
15 allowance going up and down each month.

16 JUDGE PALMER: Well, isn't it
17 different for different products, though?

18 THE WITNESS: Yes, it is.

19 JUDGE PALMER: So electricity is
20 more for one, fuel more for the other?

21 THE WITNESS: That's right.

22 JUDGE PALMER: How do you do that?

23 THE WITNESS: The
24 table -- Table 2 in my statement, just as an
25 example, just for illustration, if we use the

1 numbers, the USDA/RBCS data, the index -- the
2 change in the index -- so in the base period,
3 the Producer Price Index for Electricity was
4 100, and in the most current period it was 90,
5 then you would reduce that 0.43 cents by 10
6 percent.

7 JUDGE PALMER: I see.

8 THE WITNESS: And you apply that
9 same 10-percent reduction across that line to
10 the cheese electricity cost, the butter
11 electricity cost, and each one would be reduced
12 by 10 percent. And then there would be a
13 corresponding change in the natural gas Producer
14 Price Index that would be applied to the fuels
15 out there, the --

16 JUDGE PALMER: I see. So you
17 would be using this USDA RBCS, in other words,
18 which breaks it down per product?

19 THE WITNESS: We would need to
20 have the breakdown by product. That's the
21 date -- that was the purpose of asking
22 Dr. Stephenson to generate specific electricity
23 and fuel costs for each of the four products in
24 his survey today; and that is to provide data
25 that corresponds to these numbers for California

1 Department of Food and Agriculture and the Rural
2 Business and Cooperative Service, and
3 whatever -- in whatever proportions the
4 department may assemble these things so that
5 there's data available to serve as a basis for
6 NASS.

7 JUDGE PALMER: When are the prices
8 set each month?

9 THE WITNESS: When are the milk
10 prices set?

11 JUDGE PALMER: Yes.

12 THE WITNESS: They're set on or
13 before -- on the Friday on or before the 5th of
14 each month.

15 JUDGE PALMER: And when would you
16 take the fuel and electricity down? Which month
17 would that be? Would that be from the month
18 before?

19 THE WITNESS: It would have to be
20 from the previous month, because as I testified,
21 it's my understanding the Producer Price Indices
22 are released mid-month for the previous month.

23 JUDGE PALMER: So you have -- it
24 probably would be about a 20-day, 15-, 20-day
25 gap?

1 THE WITNESS: You generally will
2 be a month behind. You basically will be
3 applying these adjustments a month late.

4 JUDGE PALMER: So a manufacturing
5 plant would have some idea what its price would
6 be by looking at the one month before? It would
7 have an idea of what's going to happen on
8 the 5th?

9 THE WITNESS: They would know the
10 producer pricing indexes by the middle of the
11 month.

12 JUDGE PALMER: All right. Good.
13 That's good enough.

14 Any questions here?

15 THE WITNESS: And I thank you for
16 your question, because I think it does help
17 illustrate what we talked about. If you don't
18 understand it, then --

19 JUDGE PALMER: Well, I don't
20 understand a lot of things. We'll be here a
21 long time.

22 Other questions? Apparently not.
23 Thank you very much, sir.

24 THE WITNESS: Thank you.

25 JUDGE PALMER: Now, off the

1 record.

2 (Thereupon, a recess was taken.)

3 JUDGE PALMER: Let's try to get
4 our seats again. We'll start up again.

5 We have written statements?

6 MR. YALE: No. In light of
7 the Court's ruling, we're going to have to
8 do Q&A.

9 JUDGE PALMER: All right. Is
10 there a witness available?

11 MR. YALE: Yes, the witness is
12 available.

13 JUDGE PALMER: Come forward, sir.

14 DONALD DE JONG

15 having been first sworn by the judge, was
16 examined and testified under oath as follows:

17 DIRECT EXAMINATION

18 BY MR. YALE:

19 Q. Would you please give us your name and
20 address?

21 A. I don't know what my address is. I am
22 Donald De Jong, 1906 Cheyenne Trail, Dalhart,
23 Texas. Donald, last name De Jong, D-e, J-o-n-g.

24 Q. And do you have like an opening description
25 of who you are and what you do before we get

1 into questions --

2 A. I do.

3 Q. -- regarding the Cornell Study?

4 A. I do. My name is Donald De Jong. I'm a
5 dairy farmer from Dalhart, Texas, which is about
6 90 miles north of Amarillo in the Texas
7 panhandle.

8 I own and operate Northside Farms, a 5,000
9 cow milking facility. I'm also partner and CEO
10 of Agrivision Management. I oversee
11 approximately 17,000 irrigated farm acres.

12 I also have three brothers in the dairy
13 business. Two owning dairies in Central Texas,
14 one brother milking cows in the Central Valley
15 in California. All combined, my brothers and I
16 are milking close to 14,000 cows.

17 I'm also founder of Elite Milk Producers in
18 Central Texas, Central Texas Milk Marketing
19 Cooperative, that merged six years ago with
20 Select Milk Producers. I am on the Select Milk
21 Producers Board of Directors and currently serve
22 as vice president. I am also one of five
23 directors on the Greater Southwest Milk
24 Marketing Agency that commonly markets about
25 99 percent of the milk in Texas and New Mexico.

1 I'm appearing today on behalf of Select
2 Milk Producers, Lone Star Milk Producers,
3 Incorporated, and Zia Milk Producers,
4 Incorporated.

5 In addition, my testimony, or why I'm here,
6 is also endorsed by Continental Milk Producers,
7 Inc., of Ohio, Michigan and Indiana. And also
8 with Dairy Producers of New Mexico, a voluntary
9 trade organization representing interests in
10 dairy farmers in New Mexico and West Texas.

11 Q. Now, you mentioned three cooperatives,
12 Select, Zia and Lone Star.

13 A. Correct.

14 Q. What is their relationship to this agency
15 that you mentioned?

16 A. All members.

17 Q. And approximately how much, what percentage
18 of the milk do they represent?

19 A. Within that agency?

20 Q. Yeah.

21 A. Thirty --

22 Q. About half the milk?

23 A. Not quite half.

24 Q. Okay. And virtually all that milk is
25 pooled on the Southwest order?

1 A. And Southeast, yes.

2 Q. And are you a member of Dairy Producers of
3 New Mexico?

4 A. I am.

5 Q. You have been -- I want to talk about make
6 allowances. You understand the fact that make
7 allowances have an impact on producers' prices,
8 right?

9 A. Yes, I do.

10 Q. Now, there has been testimony all over the
11 board, but some today that would suggest the
12 make allowance based on some use of the Cornell
13 data to be 20-some cents per pound of cheese.
14 Do any of your organizations have a position
15 with regard to that?

16 A. We all do.

17 Q. And what's that?

18 A. That the study that Cornell put out a
19 couple weeks ago stating that we were pretty
20 close to an average of where things are at today
21 is pretty representative of what's happening,
22 and we are saying that this is consistent. We
23 believe that to be the case. And moving to a
24 weighted average is inappropriate, improper.
25 Especially if we look at the --

1 Q. When you're talking about weight, your
2 weight with other plants throughout the country?

3 A. If we weighed them to -- and I'm not a
4 statistician. As you take that study and how
5 you get to 20-odd cents make on cheese, I think
6 you're putting a lot of plants in the study that
7 should not be in the study. It's not
8 representative of commodity cheeses, which NASS
9 is based off of. So our position is that simple
10 weighted averages accurately reflect what's
11 going on.

12 Q. In terms of making changes, your
13 recommendation to the Secretary would be what?

14 A. No change at this time.

15 Q. Now, I have set in front of you part of the
16 report issued by Dr. Stephenson with some drafts
17 and some tables regarding make allowances on
18 four commodities. Do you have that in front of
19 you?

20 A. I do.

21 MR. YALE: I don't remember
22 the number, Your Honor. Seventy-two or
23 seventy-three or whatever?

24 JUDGE PALMER: Seventy-six.

25

1 BY MR. YALE:

2 Q. Seventy-six. And on cheese, the current
3 make allowance is what?

4 A. 16.5.

5 Q. And the weighted average reported in there
6 is?

7 A. 16.3.

8 Q. And the position of the organizations would
9 be to?

10 A. Status quo.

11 Q. Now, while we're talking about cheese, as
12 part of the agency, do you sell and market milk
13 to cheese plants in the Southwest?

14 A. We do. We're also part owners in
15 facilities.

16 Q. Could you describe the cheese industry in
17 the Southwest in terms of the number of plants
18 and their general size?

19 A. Really, there's three plants, proprietary,
20 mozzarella in Roswell, Southwest Cheese in
21 Clovis and then the Levington plant.

22 Q. Okay.

23 A. Anywhere from, what, 100 loads a day to
24 150-loads-a-day plants.

25 Q. And there's also one near Las Cruces?

1 A. A small one, yes.

2 Q. And that represents basically all the
3 cheese production in the Southwest?

4 A. It does.

5 Q. All right. Now, there's been some
6 testimony today that suggests the cheese
7 plants -- first of all, do you understand what
8 the term "balancing plant" means?

9 A. We struggle with it every day, yes.

10 Q. And how does the Southwest agency and your
11 cooperative people, how do they treat and
12 consider cheese plants that you just mentioned
13 in terms of balancing?

14 A. We sell and operate with our -- whether
15 it's proprietary plant or a partnership plant as
16 Southwest Cheese, they are absolutely the main
17 plant. And they have to be operated as the main
18 plant.

19 Q. Okay. So the cheese price, you don't
20 reflect -- that does not reflect -- you don't
21 treat them as balancing plants and feel that
22 that's a distress?

23 A. Absolutely not. We put our highest
24 quality, our best milk into those plants to
25 effect the best that we can get.

1 Q. Now, do you market any milk that would go
2 to a balancing plant?

3 A. Yes.

4 Q. And how is the cost of that balancing
5 handled? I mean, who absorbs that cost?

6 A. Joint venture plant, both the -- both
7 partners absorb it. And we price the milk in
8 the plant at different times at different prices
9 throughout the year.

10 Q. But do all the producers -- you pay for
11 all -- I mean, do all the producers
12 participate --

13 A. Yes.

14 Q. -- in these costs or profits?

15 A. Yes.

16 Q. Do you have any reliance upon balancing in
17 the Northeast order?

18 A. Zero.

19 Q. What about the Northwest?

20 A. No.

21 Q. Upper Midwest?

22 A. No.

23 Q. Any other order, do you balance --

24 A. We will work with the Southeast, yes.

25 Q. But you absorb their balancing, right? I

1 mean, you don't -- they don't have a balancing
2 plant you ship milk to, do they?

3 A. We have, yes.

4 Q. Who has?

5 A. The Southwest has shipped milk to the
6 Southeast.

7 Q. Okay.

8 A. Considering balanced milk. That, with the
9 oncoming of the Southwest Cheese, is no longer
10 necessary. We do help the Southeast balance
11 their cheese, and have developed plant

12 structures in cooperation with them to handle
13 their shortages and have a place to park their
14 milk. What we call milk produced by us in our
15 region that they can call on when they need it.

16 Q. And do you see any need to change the cost
17 for Class III or IV make allowances to reflect
18 the cost of balancing in any of those markets?

19 A. I do not, no.

20 Q. Now, you mentioned the Southeast. What
21 other markets do you ship milk to?

22 A. We do have what I call defiltered milk
23 sales into the Upper Midwest sometimes.

24 Q. Okay. And you mentioned the Southeast?

25 A. And the Southeast, yes.

1 Q. Does that include just the Southeast order,
2 or does it include any other orders in the
3 Southeast?

4 A. I'm trying to think of the plants. No, our
5 relationship really is with the Southeast. And
6 we will ship also into Arizona.

7 Q. Okay. Now, moving on, there was another
8 exhibit dealing with the cost of nonfat dry
9 milk, if you want to turn to that. I think it's
10 one or two more. I think the next one is whey.
11 I want to come back to that.

12 And the -- based upon the -- first of all,
13 you're aware that there was testimony today
14 there's been an adjustment in the weighted
15 average for the nonfat dry milk?

16 A. I am aware of that.

17 Q. And what number do you have now, that
18 weighted at?

19 A. It would be 0.142.

20 Q. Okay. And the current make allowance is
21 what?

22 A. Fourteen.

23 Q. And the position of your clients is what?

24 Or your --

25 A. Again, status -- status quo.

1 Q. If you would, turn then to the butter. And
2 your understanding of the Cornell weighted
3 average in that study is what?

4 A. 11.08.

5 Q. And the current make allowance is what?

6 A. 11.5.

7 Q. And the position that you -- do you see any
8 reason to justify to make a change in that?

9 A. We do not.

10 Q. Now, on dry whey, would you please turn to
11 the dry whey state, or the weighted average?

12 A. Okay.

13 Q. Now, this one has -- what's the current
14 weight make allowance for what?

15 A. 15.9.

16 Q. And what is the amount that is stated in
17 that weighted average?

18 A. 19.41.

19 Q. Okay. What do you believe that that
20 average per dry whey ought to be?

21 A. The current.

22 Q. All right. And if you were going to use
23 the Cornell weighted study, how should that be
24 adjusted?

25 A. We look at it -- I think if you go strictly

1 to energy cost.

2 Q. As compared to what other --

3 A. With the weighted averages here. They're
4 coming through because they're -- what I
5 understand, or are including a whole bunch of
6 different processes for handling that stream.
7 And there's numerous, how do we capture and
8 account for what I would say is some of maybe
9 less economical decisions on the stream and
10 other people are doing it other ways. So how do
11 you put that all together? I think it's
12 questionable.

13 Q. So you think the energy cost plus that of
14 the nonfat dry milk?

15 A. I think -- yeah, that would be the simplest
16 way to capture what you need there.

17 Q. And whatever that testimony has been, that
18 would be your dry whey price?

19 A. Yes.

20 Q. And in looking at all these, do any of
21 these indicate to you any drastic change or need
22 to change make allowances for the producers in
23 the Southwest?

24 A. None at all.

25 Q. Now, let's talk a moment. You mentioned

1 this issue earlier about trying to determine
2 where you make the cutoff between the efficient
3 and inefficient plants. Going back to the
4 cheese study and the numbers that are there for
5 the Cornell Study, the chart, it identifies the
6 eight largest plants.

7 A. Yes, sir.

8 Q. Would you put the plants in the Southwest
9 in the largest or the smallest plants?

10 A. Largest.

11 Q. And the make allowance that would be
12 suggested for that would be what?

13 A. 14.59.

14 Q. And that would really result -- if you
15 really looked at the plants in the Southwest
16 would result in a price increase for your
17 producers?

18 A. Yes.

19 Q. Now, do you -- you indicated you own a farm
20 of about 5,000 head?

21 A. Yes.

22 Q. Do you consider that an efficient farm?

23 A. Some days not, but yes. Yes.

24 Q. And what has driven you to the point of
25 having a farm of that size?

1 A. I've had three -- or two moves in my life.
2 I've had to move out of Southern California.
3 Opportunities there were not available. Costs
4 were too high, very high. Cost of entry is very
5 high, when we were starting out, my brothers and
6 I. So that decision, because of costs there,
7 was out of the question.

8 We moved since. Started out in Central
9 Texas. Again developed through areas there,
10 systems in place, production, again being
11 limited in growth in that area for a number of
12 reasons, saying if we don't continue to -- as
13 the industry consolidated, if we don't continue
14 to innovate and figure this thing out, we've got
15 to move. The decision was, we've got to move.

16 I was the first one, and that's why we're
17 in Dalhart, Texas, now. We're being forced to
18 do more for less, and we have to keep striving
19 to do that. That's why we're here.

20 Q. And you, as a producer, is that unique to
21 you, or is that common amongst producers in the
22 Southwest?

23 A. Very common. Very common.

24 Q. Now, how does that affect the operation of
25 Select as a cooperative and NGS of Greater

1 Southwest?

2 A. The -- it's identical philosophy or outlet.
3 When we chose and when we look out 5, 10, 20, 30
4 years out, what do we have to do, how do we have
5 to do that, appropriately, it's been that way,
6 it makes sense. Economies of scale, size,
7 logistics. We work very hard to do what we've
8 done, is be able to raise what I would say a
9 return to producers while not raising our cost
10 to our buyers. Trying to take as much
11 inefficiencies out of our distribution chain.

12 Cheese plants' the same way. We have, I
13 would say, a dog plant in our group that we own,
14 and we are making some hard choices there. And
15 we're not coming for a hand-out. We'll figure
16 out how to get that plant working and get it
17 working. It's going to get a bulldozer, just
18 like the other bad dairy, it doesn't make money,
19 you've got to shut it down. There's no future
20 there, so -- and we have to make the decision.
21 We make those decisions when we meet every
22 month.

23 Q. In terms of -- can you give us some
24 examples of some of the efficiencies that you've
25 been working for in the operation of marketing

1 milk in the Southwest?

2 A. I mean, what we've done is just looked to
3 ourselves. Look in the mirror; I would say, all
4 producers need to look in the mirror and the
5 first thing we've done is say we can no longer
6 tolerate milk that is not of the highest
7 standards. We've got to have milk that we can
8 meet any market needs anywhere. We cannot have
9 a substandard milk being a drag on the pool. So
10 we have very strict quality standards that our
11 producers, myself included, have adopted.

12 Next is transportation. We no longer have
13 trucks crossing each other. When we raised the
14 quality of our milk, we were able to put the
15 closest milk in the plants without having
16 rejects and bearing that burden.

17 We are also in the process right now of
18 actually, of putting together a joint venture
19 with 3,000 tankers. Without the trucks, for
20 spring balancing needs, we can do more
21 efficiently and effectively. We're developing,
22 what I would say, is the best logistics system
23 in the milk system today. Realtime, we have
24 trucks, stop charges, things like that so that
25 we will not have to go back to the buyers and

1 say we won't. And we developed a system that we
2 have to do it ourselves. We've got to clean
3 house; we have to do what we need to do.

4 Q. Now, there's been some discussion, and
5 Cornell has indicated that certain costs
6 associated with energy and some discussion about
7 adjusting for energy costs in the make
8 allowances. Have producers been immune from
9 these energy costs?

10 A. Absolutely not.

11 Q. Do you have any examples of how the changes
12 in energy has affected the bottom line of the
13 producers in the Southwest?

14 A. If utilities were up a good 7 cents a
15 hundredweight, on average, hauling costs have
16 increased from 61 cents to 83 cents a
17 hundredweight on average. And there's a whole
18 other basket. That's energy.

19 And I'd like to add on energy. And
20 it -- as a dairy farmer, I have to protect my
21 margins. I don't understand. I have not had to
22 pay over 5.60 in MCF for gas. I floor the
23 price. I hedge my way through these issues.
24 And we should not be held accountable for energy
25 costs that can be hedged.

1 Q. Now, you indicated that the hauling cost
2 has gone up by about a third?

3 A. Yes.

4 Q. How did the producers in the Southwest
5 respond to address that interest?

6 A. Two ways. We did go back to our Class I
7 customers, Class II customers and request some
8 fuel adjustments. We tried to work in a
9 partnership manner, show them our costs, and we
10 have been able to get some redress there. And
11 obviously, on the commodity side of the products
12 we're having to eat it.

13 Q. Now, you indicate you're in partnership
14 with some people, and you have some co-ownership
15 of plants. Has the producers in the Southwest
16 made investments to the plants?

17 A. Very huge investments.

18 Q. Can you give us some of the magnitude of
19 those talks?

20 MR. VETNE: Your Honor, Your
21 Honor, excuse me. This is a continuation of a
22 hearing that started last winter. A
23 representative for Zia, Select, Lone Star was
24 here last winter and described the ownership of
25 the plants down there. It's redundant. It's

1 already in the record. The record need not
2 duplicate this at this hearing, so I object.

3 JUDGE PALMER: I'll tell you what,
4 Mr. Yale, why don't we just go ahead, kind of
5 bring it sort of to a head.

6 MS. DESKINS: Your Honor, we
7 would agree with Mr. Vetne's objection. It does
8 appear it's off topic for what the notice is for
9 this hearing.

10 JUDGE PALMER: It does say
11 expanded. We'll allow some. Go ahead.

12 MR. YALE: Let me just respond
13 to that.

14 MR. VETNE: The objection is
15 overruled.

16 MR. YALE: Well, I want to
17 make sure that the record --

18 JUDGE PALMER: Yeah, good.

19 BY MR. YALE:

20 Q. You seek as part of that investment a
21 return on investment, right?

22 A. Absolutely.

23 Q. And in making these investments, was there
24 a lot of preparation and consultation and due
25 diligence done to decide where and how to make

1 these investments?

2 A. Absolutely.

3 Q. All right. And were those decisions based
4 upon the current make allowances?

5 A. Yes.

6 Q. And did those examinations show that those
7 operations could purchase milk at class prices
8 and deliver to all the partners a return on
9 investment?

10 A. Yes.

11 Q. And to your knowledge, is that what's
12 happening?

13 A. Yes.

14 Q. Now, as a result, if the -- this was -- as
15 I said, there was a proposal today, tomorrow
16 we'll have some, I think, Dr. Bailey is going to
17 present the impact of the Cornell Study on blend
18 prices, but there's an indication that some of
19 those ranges in the Cornell Study might be as
20 much as 50 cents a hundredweight.

21 A. I'm aware of that.

22 Q. Now, just using that as a number, do you
23 have an idea of approximately the gross impact
24 to producer income in the Southwest as a result
25 of that?

1 A. I've heard -- or we have looked at numbers
2 as much as 3 million, high as 5.

3 Q. Per?

4 A. Month.

5 Q. Per month.

6 A. Right.

7 Q. All right. And who would be the
8 beneficiaries of that 3 to \$5 million?

9 A. Predominantly proprietary-owned Class I
10 customers, Class II, some proprietary.

11 Q. What would your producers get in return for
12 that 3 to 5?

13 A. I don't understand.

14 Q. I mean, will you get anything in return for
15 that reduction?

16 A. No. No. I mean, it's straight -- it's a
17 straight loss.

18 Q. Is there any benefit to you that a co-op in
19 New York might be able to have a better
20 relationship in its market or its blend prices
21 as a result of you paying that 3 to 5?

22 A. No.

23 Q. Are producers in the Southwest in a
24 position to absorb 3 to \$5 million per month?

25 A. No.

1 MR. VETNE: Your Honor, same
2 objection. These same series of questions were
3 asked and the impact on producers were addressed
4 in the February hearing. It's --

5 JUDGE PALMER: I understand the
6 objection.

7 MR. VETNE: It's redundant
8 again and it's still beyond the scope of this
9 notice.

10 MR. YALE: We've got the
11 Cornell Study, we've got new numbers.

12 JUDGE PALMER: All right. I'm not
13 sustaining the objection, but I am --

14 MR. YALE: And I appreciate
15 that, Your Honor. We have cut down a 20-page
16 statement. I'm trying to go through here to
17 narrow this thing down so these people who don't
18 want to hear from dairy farmers don't have to
19 hear any more than they have to.

20 BY MR. YALE:

21 Q. Now, there are a lot of changes going on in
22 the Southwest in terms of consideration of
23 changes to the Federal order at this point. Is
24 that -- aren't there some studies being done?

25 A. Yes.

1 Q. And what is the range of those types of
2 discussions?

3 A. I mean, it's from do we adjust it here or
4 adjust it there, to saying what really -- and
5 we're trying to understand that. You know, when
6 I take home a \$1.20 or \$1.50 under Class III,
7 what the heck am I doing in an order? Why am I
8 using a system? And is it benefitting us? We
9 looked at the numbers that maybe will cost 4 to
10 6 cents, and who knows what the benefits might
11 be. So there is serious consideration within
12 our group and the greater Southwest to do away
13 with the order system.

14 Q. And if the decision came down that would
15 reduce the minimum price by 50 cents, do you
16 think that would have an impact on that
17 decision?

18 A. I think it would push it very quickly to
19 saying the system is not benefitting or we're
20 not getting a value for it anymore and there's a
21 better way of doing it.

22 Q. So you're saying then if this Cornell data,
23 other than weighted averages, that these higher
24 numbers or the other numbers that had been
25 proposed in this hearing are adopted, that the

1 approximately 50 percent of the milkers you
2 mentioned may not support that?

3 A. Correct.

4 Q. Do you take that decision lightly?

5 A. It's a radical change for us, and it's a
6 system that's worked, that we've benefited from,
7 that all producers and handlers have benefited
8 from. And for the life of me, I don't
9 understand this whole request. Especially from
10 what I call partner cooperatives in the nation.
11 To be able to do this and have this request, I
12 find it offensive. I think I'll just say it, I
13 wanted to say it, it's shame on them. It's
14 shame on them. All they're going to do is
15 prolong where they need to get to by this
16 request.

17 MR. YALE: I have nothing
18 further, Your Honor.

19 JUDGE PALMER: Questions? Are
20 there any questions? There may not be any, I'm
21 not sure. Yes, Mr. Beshore.

22 CROSS-EXAMINATION

23 BY MR. BESHORE:

24 Q. Mr. De Jong, we haven't met. My name is
25 Marvin Beshore, and I'm representing the

1 Association of Cooperatives here in the
2 Northeast, which I assume it's some of the
3 entities that you are casting shame upon.

4 A. I am.

5 Q. Do you know who the Association of Dairy
6 Cooperatives in the Northeast is?

7 A. I'm not familiar with your group, no.

8 Q. You just assume that they're among your
9 targets?

10 A. I know Dairy League, I know DFA, I know
11 Land O'Lakes. I know your challenges.

12 Q. Do you have -- do your cooperatives have a
13 position on whether there should be make
14 allowances as to establish pricing for prices in
15 the Federal system?

16 A. We have supported end product pricing,
17 which is --

18 Q. Which requires make allowances?

19 A. That's correct.

20 Q. Now, do you have a position on whether
21 prices should be -- Class III and IV prices
22 should be uniform on a national basis?

23 A. Not a position on it.

24 Q. Have you thought about that at all?

25 A. Personally, I have. But like a water

1 balloon, you punch it here and there, what's
2 going to come out somewhere else.

3 If you want to -- if we're talking about a
4 NASS commodity product, and that's what we're
5 talking about, the basis the study is on, and I
6 don't know any commodity cheese being made in
7 the Northeast that's a commodity product, that's
8 traded on the spot basis, that would support in
9 the NASS.

10 The prices, as I understand it, 10, 15
11 cents a pound more, and you're paying 3 to \$4
12 more for the milk. So we already have
13 differentials in Class III and IV.

14 Q. Well, are you selling cheese into the
15 Northeast from your cheese plants?

16 A. I really don't market the cheese. Our
17 partners market the cheese.

18 Q. Okay. You own an interest in two cheese
19 plants, I take it?

20 A. That's correct.

21 Q. And they're the Clovis plant and the
22 Levington plant?

23 A. Correct.

24 Q. Do you have any knowledge of where the
25 cheese is marketed?

1 A. No.

2 Q. You do not?

3 A. No.

4 Q. Do you take an interest in where the cheese
5 is marketed?

6 A. I take an interest in our financial
7 statements and our bottom line and the
8 performance of the plant, yes. But our
9 marketing partner handles that. DFA handles the
10 sales on the plant. Or Levington.

11 Q. When you were engaging in the due diligence
12 with respect to the investments that you
13 describe, did your due diligence include any
14 analysis of where the cheese would be born,
15 geographically?

16 A. No. I mean, it's going to go where the
17 population is. And it's not in Dalhart, Texas.

18 Q. So it may be to the East and will be to the
19 East?

20 A. Absolutely.

21 Q. And to the Northeast, for that matter?

22 A. Where the population is.

23 Q. Now, is it your view -- would you be
24 comfortable with the minimum Federal order
25 prices in the Southwest being set at the level

1 that are -- for cheese, in part, for
2 manufacturing cheese that are higher than those
3 in other regions in the country?

4 A. Would I be comfortable --

5 Q. If you're --

6 A. No. I mean, we're in a commodity product.
7 I mean, it --

8 Q. You want the Class III price and the
9 Federal order system to be the same everywhere,
10 correct?

11 A. I want the market to pay me what I can get
12 for my products.

13 Q. That wasn't my question. Do you want the
14 Class III price and the Federal order system to
15 be the same everywhere?

16 A. Federal order minimum prices, yes.

17 Q. And so if in another region of the country
18 it costs more to produce cheese than it does in
19 your region, and it costs more than -- some of
20 the plants would be required to pay more than
21 the market value of milk for cheese, it's your
22 position that they should have to do that?

23 MR. YALE: Your Honor, I
24 object to the point he said they have no
25 position --

1 THE WITNESS: I can answer this.

2 MR. YALE: All right.

3 BY MR. BESHORE:

4 Q. You said they weren't national.

5 A. No.

6 Q. Same price everywhere.

7 A. This is -- on a -- I'm not a political
8 person. I'll cut to the chase. If we have a
9 plant in the Northeast and it costs them 20
10 cents, 30 cents more to make that product, and
11 we have buyers out that want to buy it for less
12 and we can produce it for less and still return
13 a return, then that's -- I thought that's what
14 capitalism is. I thought that's what we're all
15 about in this country.

16 Q. So your answer is?

17 A. I'm -- that's my answer.

18 Q. That what?

19 A. The Federal order system, in my opinion, it
20 sets minimum pricing.

21 Q. In your region, you want the minimum price
22 to be set -- you want the make allowance to
23 cover your -- cover the costs of making cheese
24 in your region, correct?

25 A. I can only speak for myself personally on

1 this.

2 Q. Well, now you're here speaking for the
3 cooperative.

4 A. For Select, I can't tell that. I can't
5 answer that question right now. I have to go to
6 the board and say, "What's the official position
7 at?"

8 Q. Well, I thought I heard you testify that
9 you want the make allowance maintained where it
10 is, correct?

11 A. To adequately -- if we're going to have a
12 program, it needs to adequately represent cost.

13 Q. And the present, as far as you're concerned
14 with the cheese operations in the Southwest, the
15 present make allowance adequately represents
16 this cost, correct?

17 A. I think it's set too high.

18 Q. Okay. You'd reduce it --

19 A. Yes.

20 Q. -- in the Southeast, for those plants?

21 A. Yes.

22 Q. Should it be reduced below the cost to
23 produce cheese in the Southwest in an
24 end-product pricing system, which you support?

25 A. It should not.

1 Q. Okay. So in your region it should be set
2 at a level that covers the costs of converting
3 your milk, your high-quality milk into commodity
4 cheese, correct?

5 A. We're in a national and international
6 market, and we're all competing at the same
7 level and for the same buyers of our products.

8 Q. In your region, you want the price set so
9 that it covers the costs of converting your milk
10 into cheese, correct? The make allowance be
11 set, correct?

12 A. If we have a Federal order system and
13 that's what it's supposed to do, then it should
14 actually represent an average of production
15 cost, and it should not take your worst
16 producer, all right, and use it and skew it that
17 way. It should actually represent what's going
18 on. And our position is that it does that
19 today, and that the Cornell Study has proven
20 that with its average pricing.

21 Q. Were you here when Dr. Stephenson
22 testified?

23 A. I was not.

24 Q. But in your --

25 A. And I am not -- go ahead.

1 Q. So you don't -- did you read his study?

2 A. Yes.

3 Q. You know then that the, as far as the
4 weighted average is concerned, the ones you're
5 endorsing, that the sample is essentially pulled
6 out of a hat? You're aware of that?

7 A. I didn't conduct the study.

8 Q. I didn't ask you if you conducted the
9 study. You told me you read it.

10 A. I'm not going to describe it.

11 Q. You told me you read it, Mr. De Jong.

12 A. I'm not going to describe it as pulling out
13 of a hat. If you want to defend -- I'm not here
14 to defend or do anything with the study. I'm
15 just here to say that I think where it's set
16 today accurately represents what's going on.

17 Q. I thought I heard you testify on direct
18 that you were here to tell the Secretary of
19 Agriculture to use the weighted average numbers
20 from the Cornell Study to establish the make
21 allowance going forward in this hearing. Isn't
22 that your testimony?

23 A. I would -- if I said that, then -- I don't
24 think I said that because I think I said the
25 status quo is where we are at today, that no

1 change is necessary to anything.

2 Q. And --

3 A. That's our position. And if I made that
4 unclear, I'm sorry.

5 Q. So the fact that you picked some numbers
6 from the Cornell paper which are in the vicinity
7 of the status quo is just sort of a random,
8 statistical happenstance? Is that your -- is
9 that why you pointed out those numbers and cited
10 them?

11 A. We look at it, we know where we're at, our
12 cost structures. And they, we believe,
13 accurately represent the costs of what's
14 happening in the country today.

15 Q. Okay. How is it that you are paid \$1.20 to
16 \$1.50 on the Class III price for your milk?

17 A. I ask myself that every day.

18 Q. When did you receive that price?

19 A. I'll show you my check last month.

20 Q. Last month?

21 A. And the month before and the month before
22 that.

23 Q. Why is that?

24 A. We have a lot of milk and not enough
25 capacity. A lot of milk.

1 Q. Simply costs. So what brings your net
2 return down to those levels? What costs?

3 A. Transportation, selling discounted milk all
4 over the place, blender pricing.

5 Q. How long have you been receiving \$1.20 or
6 \$1.50 under Class III?

7 A. I can't answer that question. I'd have to
8 go back.

9 Q. Is that on all your milk? Is that the
10 blend price you get?

11 A. In Dalhart, Texas, yes.

12 Q. Is it different -- you have just the one
13 location?

14 A. I mean, the Southwest is broken up in
15 different areas.

16 Q. Is the price higher in other places than it
17 is in Dalhart?

18 A. Yes.

19 Q. Now, let me just ask you one other
20 question. I think you said you do your
21 balancing through the joint venture plant; is
22 that correct?

23 A. Yes.

24 Q. Now, is that -- what type of plant is that?

25 A. It's through --

1 Q. What products?

2 A. GSA and Fonterra powder. They'll do a
3 number of powder products, and I'm not familiar
4 with their powder line.

5 Q. That's a butter powder plant?

6 A. No butter. Strictly whey powder, whole
7 milk powder. WPC plant.

8 Q. Okay. So you're just balancing the whey
9 and the skim there?

10 A. We sell the cream off.

11 Q. Do you have any information with respect to
12 the costs of processing those dried products?

13 A. I do not sit on that board and I do not see
14 those numbers personally, so I'm not familiar
15 with those numbers.

16 Q. So you wouldn't know how they compare to
17 any of the numbers for processing nonfat dry
18 milk or dry whey?

19 A. I don't have -- I don't have firsthand
20 knowledge of that, no.

21 MR. BESHORE: Thank you.

22 JUDGE PALMER: Any other
23 questions? Yes, sir.

24 MR. GALARNEAU: It's Clayton
25 Galarneau with Michigan Milk Producers. Just a

1 couple questions.

2 CROSS-EXAMINATION

3 BY MR. GALARNEAU:

4 Q. About how many -- or how much milk do you
5 represent?

6 A. I can get you that. In our, what, we're
7 800,000 cows in a group, extrapolate it back and
8 we're under half that, so let's say 360,000
9 cows.

10 Q. All right. And what percent of your milk
11 goes to Class III and IV plants that you own?

12 A. That we own? I mean, we're --

13 Q. Partnership with.

14 A. I couldn't say that on a day-to-day basis
15 how much of Select's milk goes into -- you know,
16 we're 30 percent owner of 50 percent of the
17 plant, so the numbers aren't that easy to come
18 off the top of my head.

19 Q. Less than 50?

20 A. Less than 50? Oh, yeah, less than
21 50 percent of our milk is going into a plant.
22 We're at 30 percent approximate utilization, 30
23 to 35 in our region. I think it's 12 percent
24 Class II, so --

25 Q. Okay. If you don't know, that's fine.

1 Thank you.

2 JUDGE PALMER: Other questions?

3 Yes, sir.

4 CROSS-EXAMINATION

5 BY MR. WELLINGTON:

6 Q. Bob Wellington, Agri-Mark. Are the plants
7 in your area making money right now? Cheese
8 plants?

9 A. Well, one, I know is not. I can't speak
10 for --

11 JUDGE PALMER: Could you speak
12 into the mike? She's having trouble picking you
13 up.

14 THE WITNESS: I know one is not.
15 The Southwest cheese plant, the startup is too
16 early. Our numbers coming in are very good, but
17 we're -- we're not even through a full year of
18 production yet. And then I can't speak for the
19 proprietary plants.

20 BY MR. WELLINGTON:

21 Q. Would you anticipate the cheese plants
22 you're familiar with, within the next year or so
23 as they come up to speed, to be making money at
24 the current make allowances?

25 A. Yes.

1 Q. So if the make allowance was increased by
2 whatever amount, let's just say 50 cents, those
3 plants would be making quite a bit more money.
4 Would that be true?

5 A. Yes.

6 Q. Okay. Do you have the ability to go in and
7 negotiate a higher price from them because now
8 they're much more profitable? A pay price for
9 your milk?

10 A. No, we don't.

11 Q. Okay. Then so they would be returning
12 substantially more profits to themselves, they
13 would be holding onto that money?

14 A. The proprietary clients would, obviously,
15 and joint venture plants we would share.

16 Q. So at a high profit margin, there would be
17 incentive for more plants to come into your area
18 with a higher make allowance if they could hold
19 onto that money. Wouldn't that be true?

20 A. Whoever they are.

21 Q. Okay. So if that were to happen, perhaps
22 you wouldn't have to be receiving a \$1.00 to
23 \$1.50 below the Class III price and move milk
24 all over the place if you had more local plants;
25 is that true?

1 A. We've got -- yeah, absolutely true.

2 Q. Thank you.

3 JUDGE PALMER: Any other
4 questions? Yes, sir, it's your turn.

5 FURTHER DIRECT EXAMINATION

6 BY MR. YALE:

7 Q. Let's talk about that last question about
8 bringing in plants. Okay?

9 A. Sure.

10 Q. Are there currently plants being considered
11 for being under construction in that marketing
12 area?

13 A. Yeah. The Hillmark building, 10 million
14 plant, maybe 30 miles from there.

15 Q. Now, when you say 10 million, is that 10
16 million a year? Ten million what? Ten million
17 pounds of milk?

18 A. Raw milk.

19 Q. Two hundred loads of milk a day. And when
20 is construction expected to be completed on
21 that?

22 A. We're hoping to take milk, as I understand
23 it, sometime about a year from now, 12 to 13
24 months.

25 Q. Okay. Are there other -- are you aware of

1 any other plants or construction?

2 A. We are considering -- when I say "we,"
3 another joint venture opportunity in the
4 Southwest. Yes.

5 Q. Based upon current make allowances?

6 A. Yes.

7 Q. And would those plants -- where do you
8 project the demand and supply to be?

9 A. We are well within our bounds now with what
10 we have on the deck to handle the volumes that
11 are coming and that are in place.

12 Q. You've been able to track the current make
13 allowances?

14 A. Yes.

15 Q. Now, there was this indication that if you
16 reduced it by 50 cents, I think was the
17 hypothetical, I think at this point you don't
18 know what percentage of the cooperative that you
19 own, I mean, how much milk goes in? I mean,
20 it's less than 50 percent?

21 A. It's really irrelevant how much of our own
22 milk is in the plant. I think --

23 Q. What about producers? What about
24 producers? I mean, what -- how much percentage
25 of -- do you understand the milk would go to

1 the -- that you would give to proprietary
2 plants?

3 A. Majority. Vast majority.

4 Q. You're indicating, just for -- more for
5 information, how far are you from the market,
6 your farm, your major market?

7 A. Dallas, Fort Worth, about 420 miles. And
8 then Clovis to Dallas right now is 130 miles.

9 MR. YALE: I don't have any
10 other questions.

11 JUDGE PALMER: Any other questions
12 at all? No. Thank you very much.

13 THE WITNESS: Thank you.

14 JUDGE PALMER: We just have two
15 witnesses. One is coming tomorrow. What about
16 Bob Yonkers, is he here? Or do we want to -- I
17 don't know how long your testimony -- he's not
18 here, is he?

19 MR. ROSENBAUM: He's here, but at
20 this point we're not certain whether he will
21 testify.

22 JUDGE PALMER: When will you know?

23 MR. ROSENBAUM: Well, it depends on
24 the other testimony that comes in tomorrow.

25 JUDGE PALMER: I just -- I'm

1 trying to get a fix on when we might be thinking
2 of traveling out. Let me go off the record for
3 a second.

4 (Thereupon, a discussion was held off
5 the record.)

6 JUDGE PALMER: Well, we're going
7 to adjourn until 8:00 in the morning.

8 MR. ROSENBAUM: Do we want to have
9 Dr. Stephenson put on that one number?

10 JUDGE PALMER: Oh, yes, let's do
11 that. Good thing you reminded me.

12 You're under oath, Doctor, so just
13 please take a seat.

14 FURTHER CROSS-EXAMINATION

15 BY MR. ROSENBAUM:

16 Q. Steve Rosenbaum from the National Cheese
17 Institute. I think it was my question, so
18 that's why I'm here. It was -- the issue was
19 how much cheese production, nano cheese
20 production is represented by the 53 plants that
21 were in the survey, and we established that the
22 1.1 billion pound figure you had given seemed
23 likely to be low. Have you had a chance to
24 investigate that further?

25 A. I did indeed, and I apologize, spare cheese

1 is -- the correct number on that is about 2.1
2 billion, not 1.1 billion. And the cheese plants
3 in the study would represent about 44 percent of
4 that volume.

5 Q. The 16 plants would represent, is that what
6 you're saying?

7 A. Yes, the 16 plants would represent about
8 44 percent of that volume.

9 Q. So the 16 plants that were in the survey
10 are 44 percent of the production of the plants
11 located outside of California that qualify as
12 commercial cheddar cheese plants by your
13 definition, correct?

14 A. Correct.

15 Q. Thanks. That's all I have.

16 JUDGE PALMER: Any other
17 questions?

18 MR. YALE: Just one follow-up
19 one.

20 JUDGE PALMER: Yes.

21 FURTHER CROSS-EXAMINATION

22 BY MR. YALE:

23 Q. So then looking at Figure 3 of your
24 testimony, based upon known and observed data of
25 16 of the 53 plants, you can say that you draw a

1 line there between 40 and 50, 44 percent, and
2 that cost would be that weighted average of
3 14.35 or whatever?

4 A. Could you say that again? Between 40 and
5 what was the --

6 Q. Forty and fifty percent. Forty-four
7 percent you said, right?

8 A. Yes.

9 Q. Based on observed cost. If all you ever
10 did was plot out those 16 based on what you had,
11 that average cost would be 16.45, and that
12 represents 44 percent of your day?

13 A. It does. Although, remember, they're
14 scattered all the way along the line.

15 Q. We understand they're scattered, as all of
16 them should be scattered, right?

17 A. Yes.

18 Q. Now, that represents 2 cents, approximately
19 2 cents less than what you said the 50 percent,
20 as I recall, as I wrote down -- and I might have
21 brain cell problems rather than spreadsheet cell
22 problems, but I think you said 18.48 -- or 45
23 was the 50 percent point cost?

24 A. And I think you're mixing -- you're mixing
25 data on this. The 44 percent of cheese that I

1 have in these plants here are not the 44 percent
2 of the cheese that's most efficient or the
3 largest operations.

4 Q. I understand that. But if you took that
5 44 percent and stacked it first -- we talked
6 earlier, if you remember, we ranked them by
7 size. We stack those 16 first and then we did
8 the other 53, that if we came down with a
9 running total of production or percentages, that
10 at the end of that 16 we would have identified,
11 with observable data, 44 percent of the
12 production that's represented by the 53 plants,
13 right?

14 A. Yes.

15 Q. And based on your observed data, not your
16 extrapolated data, that's a 16.35 or 16.4 cents
17 weighted average?

18 A. Yes.

19 MR. YALE: I have no other
20 questions.

21 JUDGE PALMER: Any other
22 questions?

23 Yes, Mr. Vetne.

24

25

1 FURTHER CROSS-EXAMINATION

2 BY MR. VETNE:

3 Q. I'm just going to try again on what I tried
4 to ask before. I noticed that when you were
5 asked a question of how many of the
6 participating plants were proprietary, you
7 opened your Apple notebook and glanced and was
8 able to answer that pretty quickly.

9 I'm wondering if you could glance at that
10 same information and provide some information on
11 the geographical distribution of the five large
12 plants that participated in the study?

13 A. Three of the five plants are in the West.

14 Q. The remaining two are in the Midwest?

15 A. Yes.

16 Q. Okay.

17 JUDGE PALMER: Any other questions
18 at all? Yes, sir.

19 FURTHER CROSS-EXAMINATION

20 BY MR. WELLINGTON:

21 Q. Bob Wellington of Agri-Mark. Just one
22 question, Mark. Referring to your study,
23 Exhibit 76, page 9, Table 3, the processing cost
24 for nonfat dry milk, you updated the simple and
25 the weighted averages in the footnote, I believe

1 it was footnote 8 of your testimony, to reflect
2 that one change of that butter -- that powder
3 plant. Do you recall that?

4 A. Yes.

5 Q. Okay. And then further on, or earlier
6 today you noted that this particular plant was
7 in the high-cost group.

8 A. Yes. That's correct.

9 Q. Wouldn't that change then that weighted
10 average number for the high-cost group, which is
11 currently 0.1617?

12 A. Yes, it would.

13 Q. Do you have a new number for that?

14 A. Yes, I do. It's 0.1659.

15 Q. Thank you.

16 JUDGE PALMER: Anything else? I
17 think we're all set. So we'll see everybody
18 tomorrow morning at 8:00.

19 And you're excused, sir. I believe
20 you're finished.

21 THE WITNESS: Thank you.

22 (Thereupon, the proceedings were
23 adjourned at 5:10 o'clock p.m.)

24 - - -

25

