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1 UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF NEW YORK

2 -----x
3 THOMAS LAUMANN, ROBERT SILVER,
4 GARRETT TRAUB, and DAVID DILLON,
representing themselves and all
others similarly situated,

5 Plaintiffs,

6 v.

12 CV 1817(SAS)

7 NATIONAL HOCKEY LEAGUE, et al.,

8 Defendants.

9 -----x
10 FERNANDA GARBER, MARC LERNER,
11 DEREK RASMUSSEN, ROBERT SILVER,
GARRETT TRAUB, and PETER HERMAN,
representing themselves and all
others similarly situated,

12 Plaintiffs,

13 v.

12 CV 3704(SAS)

14 OFFICE OF THE COMMISSIONER OF
15 BASEBALL, et al.,

16 Defendants.

17 -----x
New York, N.Y.
18 March 17, 2015
10:00 a.m.

19 Before:

20 HON. SHIRA A. SCHEINDLIN,

21 District Judge

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1 (Case called)

2 (In open court)

3 THE COURT: Good morning, everyone. Please be seated.

4 The parties did as I asked, and they wrote a time
5 schedule out. That was one of my better suggestions so far in
6 this case, and I ask you to please stick with the schedule you
7 wrote. We don't have a lot of flexibility with time. We want
8 to use our three days well. So, I'm even going to skip
9 greeting you. I know who you are and where you are sitting. I
10 would like to get started right away with opening statements.
11 Your own schedule says 30 minutes for plaintiffs, 30 minutes to
12 be shared by defendants, so I assume we will start with
13 Mr. Diver.

14 MR. DIVER: Thank you, your Honor. I'd like it start
15 just by thanking the court and everybody else for accommodating
16 the need to reschedule this hearing.

17 Thank you, your Honor. We are going to have three
18 days of testimony over what is undoubtedly a very complicated
19 and difficult subject, namely the economic model that Dr. Noll
20 has presented, but we shouldn't forget that this case overall
21 is a straightforward case for class certification. The
22 complexities you are going to hear about over the next couple
23 of days do not go to the question of whether these issues are
24 going to be resolved on a class basis.

25 There is no dispute that the core issues of liability

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1 are all common issues. The focus of defendants' attack for
2 class certification is entirely on impact and damages
3 effectively. They cite per se rules that they claim require
4 the plaintiffs to establish both impact and damages on a
5 class-wide basis in order to get a class certified. The Second
6 Circuit has reaffirmed the long-standing rule that that's not
7 true, that damages are not required to be established on a
8 class-wide basis in order to certify a class.

9 Even still, nothing about what we're going to hear
10 over the next few days is going to affect whether this case
11 should be resolved on a class basis, because what we will see
12 is the damages and impact issues will be resolved on a class
13 basis regardless of whether the defendants' challenges to
14 plaintiffs' theory of damages are correct.

15 THE COURT: Let me ask my first question.

16 MR. DIVER: Sure.

17 THE COURT: If I struck Dr. Noll entirely based on the
18 Daubert challenge, could you proceed?

19 MR. DIVER: Could we proceed in the case? Absolutely,
20 your Honor.

21 THE COURT: Could you proceed as a class in this case?

22 MR. DIVER: Absolutely, your Honor, because, remember,
23 we are seeking not only damages but we're seeking injunctive
24 relief. And our theory of damages is the theory of overcharge
25 of the out-of-market. If we fail to prove that there is an

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1 overcharge on the out-of-market packages, then the result would
2 be that the class members as a whole have not shown any
3 calculable damages.

4 THE COURT: Then you would only have a B2 class?

5 MR. DIVER: Well, we would have a B2 class certainly.

6 THE COURT: Without damages.

7 MR. DIVER: Without damages.

8 THE COURT: OK.

9 MR. DIVER: And then every remaining question --

10 THE COURT: And for that B2 class, without any damage
11 claim, you could prove that case at trial without Dr. Noll?

12 MR. DIVER: That's correct.

13 THE COURT: OK.

14 MR. DIVER: Well, not without Dr. Noll. Without Dr.
15 Noll's structural model of the prices of the out-of-market
16 packages. You still have all the economic issues about the
17 effect on the market as a whole, market power, the effect on --

18 THE COURT: And does the defendants' Daubert challenge
19 go to that portion of Dr. Noll?

20 MR. DIVER: Defendants do not go to that portion of
21 Dr. Noll's analysis at all. They are not really asking for Dr.
22 Noll to be kicked out of the case; their attack is entirely
23 focused on the damages model.

24 Now, it is true, of course, as we all know I think
25 now, that damages models are currently tested at the class

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1 certification stage, certainly in antitrust cases, but the
2 question that's being addressed is different than the one
3 that's here.

4 In a typical antitrust price fixing case the question
5 is whether there is a model that is capable of calculating an
6 overcharge for all of the different kinds of products, all of
7 the different kinds of consumers, middlemen, different kinds of
8 contracts, negotiations, for the different titles of e-books.
9 That is the question that requires assessment at the class
10 stage.

11 In this case we have a handful of products sold on a
12 mass market base at listed prices, and there is no serious
13 dispute that if Dr. Noll's model is capable of calculating the
14 damages for one person, that it's capable of calculating the
15 damages for everybody.

16 THE COURT: If they have common damages. But
17 according to the defense argument -- and it's their biggest
18 argument -- there are some people who would be so called
19 winners and some people who would be so called losers because
20 some people like to watch all the different teams, and the way
21 the model would work is maybe there would be no elite package
22 at all, it would only be ala carte, which would turn out to be
23 more expensive if they wanted to watch everybody. So, one of
24 their biggest arguments is there is no commonality, there is no
25 predominance, there is no adequacy, because the class is so

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1 disparate in terms of what the viewers want.

2 MR. DIVER: That's their argument.

3 THE COURT: Yes, I understand.

4 MR. DIVER: But the first step in their argument is
5 Dr. Noll's model can't show overcharge damages, because there
6 aren't any overcharges for the out-of-market package.

7 THE COURT: I was putting that aside.

8 MR. DIVER: I understand. But that first question is
9 a class-wide question, the question of whether the model
10 applies on a class-wide basis. They're saying the model can't
11 show damages for anybody, and so then we have to look at all
12 the other harms and benefits they get.

13 THE COURT: I didn't think it was sequential. I
14 didn't think the arguments were sequential. I thought they
15 were two different arguments: One is the attack on the model
16 itself for not being able to appropriately calculate
17 overcharges, but the other part is that some people just don't
18 want the "but for" world that he posits because it will lead
19 maybe to the end of league packages.

20 MR. DIVER: Right. But again if plaintiffs' class
21 members were overcharged, then they certainly suffered impact,
22 and they can add a claim for damages, not withstanding whether
23 there are other issues.

24 THE COURT: I see the retrospective overcharges.

25 MR. DIVER: Exactly.

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1 THE COURT: In other words no "but for" ruling really,
2 just were they overcharged and, if so, by how much.

3 MR. DIVER: Exactly. The "but for" world is, you
4 know, I mean there is going to be a lot of talk about a "but
5 for" world in this case, but it's a way of figuring out what
6 the actual value is of what the plaintiffs purchased, what it
7 should be in a competitive market. We aren't here to figure
8 out what the future is going to hold exactly; we are here to
9 find a way to calculate the way that the world should have
10 been.

11 THE COURT: But you do want to go into the future
12 somewhat. When you talk about an injunction, you want to stop
13 something as a practice --

14 MR. DIVER: Yes --

15 THE COURT: -- which means if that is stopped there
16 will be a different practice. That's the future.

17 MR. DIVER: But the past is not to predict every
18 detail.

19 THE COURT: Hardly every detail, but once you stop a
20 practice there has to be some other way of broadcasting the
21 games. Is that wrong?

22 MR. DIVER: I'm sorry, your Honor.

23 THE COURT: Oh, OK.

24 MR. DIVER: Going back to the point of the model, the
25 defendants are arguing that there are winners and losers

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1 because there are differences, but what they are not arguing is
2 that the overcharge for the package is any different from one
3 person who bought it or somebody else who bought it. Dr.
4 Noll's model only addresses that overcharge, so it necessarily
5 applies to the class-wide basis.

6 Now, another important point to remember about Dr.
7 Noll's model is that it's not a final damages model, it's not
8 intended to be a final damages model. In fact, Dr. Noll,
9 plaintiffs don't have to have a model at this point anyway.
10 The burden here is to show that there is a way of calculating
11 damages on a class-wide basis.

12 Your Honor in the Betances case recently affirmed that
13 models aren't necessary to show that there is a methodology to
14 resolve issues on a class-wide basis. That's a fundamental
15 rule of the law. Nevertheless, Dr. Noll has produced a very
16 highly sophisticated model, not a final one but a very highly
17 sophisticated and reliable model.

18 There is no real challenge to the underlying
19 methodology that Dr. Noll -- the methodological approach. He
20 has created a structural model to determine the price of the
21 bundle in a world in which the restraints are removed and every
22 team's games are available in a competitive market. He uses
23 the Generalized Method of Moments to estimate demand based on
24 actual data of viewership and purchase decisions in the actual
25 world. He then simulates a counterfactual world in which these

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1 additional products are available.

2 Now, the defendants use the same methodology to attack
3 Dr. Noll's model. They haven't challenged the overall
4 approach, and it's not surprising. The defendants used this
5 methodology themselves. The most common use for this in sort
6 of legal matters is in merger analysis. So, to that end both
7 DirectTV and Comcast in advocating for their proposed mergers
8 have submitted structural models to the government. Just last
9 year DirectTV submitted one that uses the Generalized Method of
10 Moments and the Bertrand pricing model to simulate the effects
11 of its proposed merger.

12 The defendants make a number of challenges to the way
13 that this general approach has been used in this case, and I am
14 certainly not going to address every one of them.

15 The first type is a type that he is modeling the wrong
16 thing because these products wouldn't even exist in the real
17 world. Dr. Ordover makes the claim that certain of his
18 programming would disappear if it was subject to competition.
19 He also makes the claim that it's just a fact that certain of
20 these players would not agree to the conditions necessary to
21 allow the bundle to continue to exist in the real world. And
22 this analysis is not based on running of the model and
23 determining the profitability of it; this is based on what he
24 claims is a fundamental principle of content exclusivity, in
25 particular that the teams in the RSNs are so insistent on his

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1 notion of content exclusivity that they wouldn't permit the
2 league to offer the programming through the bundle.

3 THE COURT: Let me just make sure I understand.
4 You're not challenging content exclusivity, are you? You're
5 challenging only territorial exclusivity.

6 MR. DIVER: Exactly. We are not challenging the
7 decisions of individual teams, RSNs, to make unilateral
8 decisions in the marketplace. That's not the subject of our
9 challenge. There is a factual question of in fact what
10 decisions those individuals would make. And the evidence will
11 show and shows that in fact this principle of content
12 exclusivity is not a necessary condition for any of this
13 programming. But more to the point, if the content exclusivity
14 decision is right, it doesn't mean the bundle goes away; it
15 means that the teams will insist that the bundle continue to
16 black out the games in the local territories.

17 The difference.

18 THE COURT: But he assumes a blackout in the local --

19 MR. DIVER: Dr. Noll assumes that those blackouts
20 exist, and I will get to the reasons why in a second.

21 Now, it is important to note that this analysis of
22 whether the bundle would exist based on content exclusivity
23 again is not made on any showing that it wouldn't be profitable
24 to offer the bundle. In fact, every model that's been produced
25 in this case shows that the bundle would be profitable.

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1 THE COURT: I think the defendants argue that it might
2 not be, that under Dr. Noll's model it may be that the bundle
3 will not make any economic sense any longer and won't be
4 available. That's why they talk about the winners and losers.
5 Isn't that an argument they make?

6 MR. DIVER: Well, they say it would not be available,
7 but again that's based on this notion of content exclusivity;
8 it's not based on an analysis of whether that bundle would in
9 fact be a profitable product or not.

10 They do have another analysis which we'll get to, Dr.
11 Pakes, which says that there may be more profitable ways of
12 doing it. But nobody has said that offering the bundle would
13 not be profitable for the leagues.

14 THE COURT: Actually I think the defendants do say
15 that. I thought I saw an argument in their papers that said,
16 given the competition, it may no longer be profitable at all to
17 offer the bundle on an economic basis.

18 MR. DIVER: Again --

19 THE COURT: Not because of content exclusivity but
20 because of the competition of the ala carte offerings.

21 MR. DIVER: I'm not saying they don't say that.

22 THE COURT: OK.

23 MR. DIVER: I'm saying they haven't done any
24 calculations that show that.

25 THE COURT: All right.

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1 MR. DIVER: Now, another type of challenge they make
2 to Dr. Noll's model is that he has made the wrong assumptions
3 about how to create this model so that it properly fits the
4 sports broadcasting market. Now, fundamentally this is not a
5 challenge to the basic methodology; it's a challenge to what
6 the facts are.

7 Their most central argument of this type is that he
8 should have included a bargaining analysis like Drs. Crawford
9 and Yurukoglu did in their paper. Dr. Noll will explain why it
10 is not appropriate to use and not necessary to use such a model
11 in this case. There are two reasons: First, it wouldn't be
12 expected to make a difference. And defendants have not shown
13 that it would make a difference. They don't know that it would
14 raise prices at all, and their experts have so testified. They
15 are just saying that Dr. Noll should have tried it. If they
16 believed that it would make a difference, they are certainly
17 capable of doing the analysis themselves and presenting it as
18 an alternative.

19 THE COURT: They're not really required to do that.
20 There is a Daubert challenge here that says his failure to do
21 it makes his analysis methodologically flawed. They are not
22 required to come up with an alternative if in fact they prove
23 that his methodology is so bad.

24 MR. DIVER: Well, I understand that. I'm saying this
25 shouldn't be part of the Daubert analysis at all; this should

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1 be litigated as part of the adversarial system.

2 THE COURT: Why shouldn't it be part of the Daubert
3 analysis? If his methodology is flawed, if it ignores basic
4 economic principles, if there is usually bargaining between the
5 supplier and the distributor, and somehow he just leaves it
6 out, if each one has a profit margin and this concept of double
7 marginalization is usually there -- I mean there are real
8 conflicts in these expert reports, but if the defense is right,
9 then the reports or profit testimony is methodologically
10 flawed, and it should be stricken.

11 MR. DIVER: Well, I don't think -- well, Dr. Noll will
12 obviously address this issue at length, but the basic point is
13 this: It's not expected to make much of a difference, and if
14 it did make a difference, that would give the defendants
15 incentive to not allow it to make a difference. Every penny
16 that the price is raised by this kind of thing is undermining
17 the profits of the defendants, so what Dr. Noll has done is
18 make the assumption that the defendants would choose the price
19 that maximizes their joint profits. OK?

20 And, yes, the defendants say there would be double
21 marginalization, they would charge a price that's even higher
22 than the monopoly price, and it would be at a price that's so
23 high that it would undercut their on profits. That's what
24 their defense is.

25 THE COURT: Well, they don't concede it would undercut

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1 their own profits. But, OK, I understand that they say
2 everybody makes money in the chain.

3 MR. DIVER: But the point of double marginalization is
4 that it does reduce the profits.

5 THE COURT: Right, I understand your position on that.

6 MR. DIVER: Now, they say that there is double
7 marginalization in the market now, but they can't point to a
8 single contract in this thing that doesn't either not have any
9 double marginalization issue at all because it doesn't have
10 linear pricing, or that doesn't have some mechanism to reduce
11 the effects of double marginalization.

12 As we stated in my e-mail response to Mr. Adam Makus'
13 question, this is not just Dr. Noll's position, this is the
14 position that the Department of Justice reached as part of its
15 review of the Comcast NBC Universal in which Comcast was
16 justifying -- its main efficiency argument to justify the
17 merger was that it would reduce double marginalization. The
18 Department of Justice rejected that view, finding in fact that
19 the existing contracts already take into account and reduce and
20 eliminate the effects of double marginalization.

21 Now, the other main sort of assumptional challenge
22 they make to the design of Dr. Noll's model is that he has
23 modeled the wrong kind of competition, in fact that he has
24 modeled too much competition, and that the defendants would
25 find a way to set super competitive monopoly prices even in the

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1 absence of the current restraints. Their own challenges, they
2 built models where they removed the competition from Dr. Noll's
3 models and leave in some cases models of at pure monopoly.
4 They then claim that this shows that prices would go up in the
5 "but for" world. Now this is obviously quite a turnaround for
6 defendants who have argued throughout this case that they don't
7 charge super competitive prices, that they don't have monopoly
8 power in any relevant market. Their defense is quite literally
9 to say that the prices would go up in the "but for" world
10 because they would have monopoly power and they would use it.

11 Now, again, regardless of who is right about this,
12 it's a class-wide issue; it affects the prices of the bundle up
13 or down. It's not a challenge to the methodologies; it's a
14 challenge to how the methodologies should be used to best fit
15 the facts of the case.

16 Now, I want to address --

17 THE COURT: Why does Dr. Noll assume that the league
18 and the teams are all independent entities and they're not
19 functioning as a joint venture? I was troubled by that.

20 MR. DIVER: Well, he will address that issue. He
21 doesn't assume that they're not a joint venture. He assumes
22 that the pricing strategy of the league is independent of the
23 pricing strategy of the teams, and there is a variety of
24 reasons for doing that. One is that there is an assumption --
25 well, his primary reason is because he doesn't believe that a

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1 collusive solution is the right way to model it; it's not
2 necessary for the league to do it that way. And leagues don't
3 always do it that way, and we are going to see lots of evidence
4 that leagues don't have to do it that way.

5 There is a technical reason why it's done as well,
6 which I'm not going to get into right now, but essentially the
7 evidence will show that this is a reasonable assumption based
8 on motivations of the leagues generally, how they do it, and
9 the fact that --

10 THE COURT: To have the teams competing with the
11 leagues, and they are all independent of each other and they're
12 not operating together as a joint venture?

13 MR. DIVER: Well, the Major League Baseball currently
14 states that it charges a below profit maximizing price for its
15 out-of-market package. Now, that package is competing with all
16 of the teams' broadcasts. If it's charging the below profit
17 maximizing price, it means it's not doing what defendants
18 insist they would. OK? And there are reasons for the league
19 to prefer it's own products in those cases. There are plenty
20 of instances where leagues compete for sales of various things
21 with the individual teams, and Dr. Noll will explain why that
22 is.

23 In the last few minutes I have --

24 THE COURT: And why do you think that the teams would
25 continue to supply the content for free? Why would there be

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1 free feed to what would be their competitors in the "but for"
2 world?

3 MR. DIVER: The teams would supply the feeds to the
4 league because the teams are profit sharing from the leagues
5 There is no instance in which a team charges the league a
6 per-subscriber fee for any of its content or rights of any kind
7 that defendants have pointed to. So the teams --

8 THE COURT: He envisions the world free of the
9 restraints in his -- we have to call it the "but for" world.
10 He says they would continue to provide a free feed to what
11 would be their competitor.

12 MR. DIVER: Right. And there are examples of exactly
13 this happening right now in both these leagues and other
14 leagues. The clearest example of this that we put in our
15 papers is major league soccer. There is a league-wide package,
16 and there are local broadcasts, and in some cities, including
17 Philadelphia where I live, the package competes with the local
18 broadcast, so it's competing in a sense, but it's an
19 alternative distribution method that ultimately the teams are
20 profiting from.

21 THE COURT: The RSN feed of say a YES network would be
22 available nationally, right, in this world? Anybody could buy
23 just Yankee games.

24 MR. DIVER: That's correct.

25 THE COURT: It's not just the local market; it could

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1 be anywhere. So that's what I meant by competing with the
2 league package, so they would be supplying their competitor
3 with free feed and then competing.

4 MR. DIVER: The team is not supplying a competitor.
5 The team is profiting from its own distribution and the
6 league's distribution. This is no different than happens all
7 over the economy all the time. There is multiple distribution
8 sources, and the team is profiting from it in both ways.

9 Now, I want to address a little bit more the blackout
10 assumption.

11 THE COURT: OK.

12 MR. DIVER: It's important to keep in mind in this
13 case that there are really two major types of blackouts. There
14 are the blackouts that prevent an individual team from
15 broadcasting its games nationwide. When the Yankees are on the
16 YES network in Cleveland the game is blacked out.

17 THE COURT: Correct.

18 MR. DIVER: Those blackouts are the fundamental
19 challenge of what plaintiffs are challenging are those
20 blackouts. Those are fundamental and those --

21 THE COURT: Is that what you call the territorial?

22 MR. DIVER: That's the territorial restrictions and
23 the blackouts used to enforce the territorial restrictions by
24 preventing those games from being broadcast outside of the
25 territory. Dr. Noll's model is built on the assumption that

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1 those games are available everywhere.

2 THE COURT: But the person who bought the
3 out-of-market package and lives in Cleveland can watch the
4 Yankee game, right?

5 MR. DIVER: Through the package.

6 THE COURT: Through the package, right. OK. Not
7 directly through the YES network but through the package.

8 MR. DIVER: Exactly.

9 THE COURT: OK.

10 MR. DIVER: So the other kind of blackouts are the
11 blackouts of the out-of-market package, which are imposed in
12 order to maintain exclusivity of the RSN and the local network
13 in the local area.

14 THE COURT: The local network, the person who bought
15 the out-of-market package can't watch --

16 MR. DIVER: Can't watch.

17 THE COURT: -- can't watch the Yankee game unless they
18 bought an in-market package, right?

19 MR. DIVER: Exactly, that's right. But they can get
20 the YES network. So it preserves the exclusivity of the YES
21 Network in New York.

22 THE COURT: Is that the in-market package?

23 MR. DIVER: That's the -- no, just television channel.

24 THE COURT: So you living in New York can get the YES
25 Network.

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1 MR. DIVER: Just on cable television.

2 THE COURT: You can. It's not blacked out.

3 MR. DIVER: Correct. It's just the Yankees
4 broadcasting their games in New York through YES.

5 Now there is a factual question about whether these
6 kind of blackouts are necessary, whether they would continue.
7 Now the defendants take the position that they're fundamental.
8 Some of their witnesses have testified that these are
9 anachronistic. Plaintiffs think it's most likely in fact that
10 these blackouts would go away. But that's not again part of --

11 THE COURT: Actually, I thought Dr. Noll assumed the
12 blackouts would stay in place.

13 MR. DIVER: He assumes they would stay in place but
14 not because he is making a decision, you know, about whether it
15 would or wouldn't happen, but because for purposes of his model
16 he doesn't want those games in his model anyway because he is
17 trying to figure out the overcharge of the games people
18 actually purchase. The games that people actually purchased
19 were blacked out. His model is not intended to be a
20 description of every detail of the "but for" world and every
21 decision an individual team might make.

22 THE COURT: But the defense argument under Daubert is
23 fit. They are saying are you or are you not challenging those
24 blackouts as restrictions. Apparently you are not.

25 MR. DIVER: We are not challenging those blackouts as

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1 restrictions. We have a view about how likely it is they would
2 go away.

3 THE COURT: I understand.

4 MR. DIVER: But that's not part of the legal
5 challenge.

6 THE COURT: So then in your last one minute would you
7 just summarize your legal challenge. Exactly what are you
8 challenging? What practice are you challenging?

9 MR. DIVER: We are challenging -- the fundamental
10 thing we are challenging are the territorial restraints, the
11 systems that prevent the individual teams from broadcasting
12 their games nationwide.

13 THE COURT: OK.

14 MR. DIVER: And we are also challenging the fact that
15 the league sort of monopolizes as part of that system the
16 out-of-market distribution through the packages.

17 THE COURT: OK, that does finish your 30 minutes.
18 Thank you very much. And is it Ms. Wilkinson who is going to
19 make the opening?

20 MS. WILKINSON: Yes, your Honor.

21 THE COURT: OK.

22 MS. WILKINSON: Good morning, your Honor.

23 THE COURT: Good morning.

24 MS. WILKINSON: Let me start where Mr. Diver started,
25 about whether the challenges that we are making today through

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1 our opposition to class cert and Daubert go to winners and
2 losers, because of course that is, as you have articulated
3 already, our most basic challenge, which is that the plaintiffs
4 here can produce winners and losers depending on the outcome of
5 the challenges, and so let's start with the two things that
6 they have to produce.

7 If you don't mind, your Honor, I just used a few
8 slides that help me simplify the concepts.

9 THE COURT: That's fine.

10 MS. WILKINSON: Plaintiffs to prove common impact --
11 and when we say common impact, I think Mr. Diver was kind of
12 evading the point. It's not the amount of damages; it's the
13 actual injury; it's one element of the claim. So, they do have
14 to prove common injury to the class.

15 So, when you asked the question, well, what if you
16 Daubert Dr. Noll or at least his model, how can they go
17 forward? We don't believe they can go forward, because they
18 have no basis for showing that last element even under an
19 injunction. They have to show injury and common injury for to
20 you issue an injunction. And without the model, they have no
21 basis to show injury, because the only injury they are claiming
22 is that these guys, the putative class members, should pay less
23 for the package. That is the --

24 THE COURT: Or they were overcharged by what they did
25 buy.

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1 MS. WILKINSON: Right. But the way they show they
2 were overcharged is, as you point out, there is some method to
3 pay less in the "but for" world.

4 THE COURT: Right.

5 MS. WILKINSON: The only way that they have asserted
6 that evidence to you or to us is through Dr. Noll.

7 THE COURT: So, I think that one of the lawyers from
8 the plaintiffs' team should write down now "In summation I need
9 to explain to the judge how I can prove a B2 class without Dr.
10 Noll." OK, go ahead.

11 MS. WILKINSON: So they use Dr. Noll to support these
12 two elements that we think at a minimum they would have to show
13 you they have met their burden on, that the package continues
14 to exist. Because if the package doesn't exist, there could
15 potentially be winners -- and we will talk about that in a
16 moment --

17 THE COURT: Right, I understand if there is no
18 package, people would like to watch all teams are going to be
19 losers.

20 MS. WILKINSON: Right. But they try and say it's all
21 or nothing. There could be winners because let's talk about
22 our Mets fan, one of their class representatives in Las Vegas,
23 Mr. Biraglia, he is then going to get the Mets alone.

24 THE COURT: Right. He can buy ala carte the Mets.

25 MS. WILKINSON: So you would still have a winner in

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1 theory.

2 THE COURT: Right.

3 MS. WILKINSON: So they also have to prove to you that
4 the league package would be cheaper in the "but for" world
5 because --

6 THE COURT: Cheaper than what?

7 MS. WILKINSON: Cheaper than what it is today, because
8 otherwise -- right, there is no overcharge today. If they
9 can't show you an alternative world that should have existed
10 from the very beginning -- like their theory is I think I heard
11 Mr. Diver say --

12 THE COURT: Is that right, that the package has to be
13 cheaper, or the ability to watch what you want to watch has to
14 be cheaper? I don't know if the package has to be cheaper.
15 The point is right now there is no ala carte menu for all teams
16 everywhere available, so as long as you end up cheaper for what
17 you want to watch, you're a winner.

18 MS. WILKINSON: But you yourself just said some people
19 want to watch the package.

20 THE COURT: Some do, I understand that.

21 MS. WILKINSON: So my family follows the Nationals,
22 the Yankees, right, the Dodgers and the Red Sox. If we're not
23 going to pay any less, how are we winners in the "but for"
24 world? If the package is not cheaper for my family, then I and
25 all the class members I could represent have not been harmed.

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1 So, that's where we get the winners and the losers,
2 and I'm not sure that was totally addressed by the plaintiffs,
3 but that's our theory of it.

4 Then our third challenge -- and I'm going to I hope
5 set forth a little road map on how we are going to attack
6 plaintiffs on these three grounds throughout the hearing -- is
7 that the model is not methodologically sound.

8 So how do we show that these class members are
9 different? You can start with Dr. Noll's old data. Recently
10 in model number 3 -- which is the one I think he is relying on
11 today, and plaintiffs will rely on throughout this hearing --
12 he said that he looked at viewer preferences, and he divided
13 them into these three categories. So, there is no doubt there
14 are large percentages of the putative class. And these are the
15 putative class members: The MLB internet consumers, the
16 DirectTV and the NHL internet. And as you can see, they are
17 varied percentages, but they all show they are significant
18 percentages that are one team fans, two to five team fans, and
19 six or more team fans.

20 THE COURT: And this is based on actual viewer data.
21 This pie chart is actual viewer data or not?

22 MS. WILKINSON: He says it's based on actual data.
23 And I think what he will tell you today is "And then I went and
24 checked the surveys that DirectTV has, and the NHL and
25 Internet, and they match up so I feel good about these" -- he's

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1 going to tell you actual predictions from his model --

2 THE COURT: For these purposes you accept this is
3 actual data because you like this pie chart.

4 MS. WILKINSON: We actually think the data comes out a
5 little bit differently, so I'm just trying for these purposes
6 --

7 THE COURT: But even if this were, you would still say
8 look at the green, there are a lot of people who like to have
9 lots of teams available. Right?

10 MS. WILKINSON: Yes, except for I misspoke. We have
11 two different ways. This is Dr. Ordover's calculation of it,
12 because they calculate -- they grade or they group the
13 preferences differently. But it's the same basic break-out as
14 Dr. Noll.

15 THE COURT: That's what I say. I see, it's Dr.
16 Ordover's, not Dr. Noll's, but the bottom line is the green
17 shows that lots of viewers like to have lots of games.

18 MS. WILKINSON: Exactly.

19 THE COURT: Lots of teams.

20 MS. WILKINSON: Exactly. So, that just goes to the
21 simple point that I don't think we need to belabor, that there
22 are winners and losers, if either of those two requirements are
23 not met.

24 So then we say that the model is flawed because it
25 doesn't fit the plaintiffs' theories; it's based on the

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1 economically irrational assumptions, and the methodology of
2 this model is unreliable for all of those reasons and some more
3 specific reasons that you will hear from our experts.

4 THE COURT: On both sides. You mean on the supply and
5 the demand side.

6 MS. WILKINSON: Correct. So, on the fit issue, what
7 is the real problem? We think what Dr. Noll has done is he
8 hasn't actually modeled what the plaintiffs have asked for.
9 I'm going to show you what they asked for since they filed
10 their second amended complaint. Because he, as I think you
11 noted in your discussion with Mr. Diver, he is now saying I'm
12 not going to eliminate the in-market blackouts.

13 THE COURT: Well, Mr. Diver said more than that. It's
14 not just that Dr. Noll is assuming that the blackouts remain;
15 Mr. Diver says we're not challenging the blackouts; that's not
16 our complaint.

17 MS. WILKINSON: Well, let's see. That's not really
18 what they have told you all along. In fact, they told you just
19 the opposite. In the second amended complaint they say:
20 Subjecting the viewer to local blackouts is an express
21 restriction on competition. That reads to me that they're
22 saying that's unlawful, anticompetitive behavior.

23 But it's not just them. It's class representatives
24 that they tell you are representative of this class.
25 Mr. Bibiglia again from Las Vegas says he's not even

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1 complaining about the overpaying; his injury is that the
2 blackouts are in place, and this is exacerbated in his
3 particular group of putative plaintiffs because in Las Vegas
4 there is many overlapping home territories, so as a Mets fan
5 there is a lot of home games that are blacked out for him, and
6 that's what he is upset about, so that's the group he is
7 representing, yet Mr. Diver now says --

8 THE COURT: Well, Mr. Diver, you are going to have to
9 come to grips with this problem. Either you are or you aren't
10 challenging these blackouts. Going back one slide --

11 Can you flip back one slide, the complaint?

12 Look at that phrase.

13 MR. DIVER: Would you like me to respond to that?

14 THE COURT: Just on that one phrase, just that slide.
15 Are you saying that the local blackouts are a restriction on
16 competition which you are challenging and asking be eliminated?

17 MR. DIVER: There are two issues here. Yes, they are
18 a restriction on competition, and to the extent that they exist
19 by virtue of an agreement amongst the clubs in restraint of
20 trade, they are unlawful. So in fact, yes, as they currently
21 exist they are unlawful.

22 But what we are not suggesting is that they couldn't
23 be the result of a unilateral decision. Their argument on
24 content exclusivity is that the clubs would make a decision in
25 the absence of these agreements, and we're saying we don't

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1 think so. But that's a separate issue. OK?

2 THE COURT: So, you are only challenging them to the
3 extent that they arise from the group agreement. Once an
4 individual does the same thing, you're not challenging it. If
5 a team wants to -- is that what you are saying? That's how I
6 hear your answer to be.

7 MR. DIVER: Yes, to the extent they are an effect of
8 the agreement in restraint of trade, they are anticompetitive.

9 THE COURT: I see. But if an individual team decided
10 on the identical blackout, you live with it.

11 Now I understand his position on the blackout. It's
12 wrong because it's an agreement.

13 MS. WILKINSON: I am not sure I do, your Honor, and I
14 am going to point out where I think what he said is not even
15 still addressing all the blackout issues.

16 So, we also have Mr. Rasmussen who says the same
17 thing, that blackouts are what irritated him.

18 And the plaintiffs told you in their class
19 certification premotion letter specifically here all class
20 members are seeking an injunction ending the restrictions and
21 attendant blackouts. So, I think you and your clerk asked us
22 for copies of our letters. This is why when I came into the
23 case I said can we write a letter, because I don't understand
24 what their theory of the case is.

25 THE COURT: Right.

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1 MS. WILKINSON: And so we're still not sure. We're
2 going to ask Dr. Noll what he actually did model and didn't,
3 because we believe --

4 THE COURT: Well, what he modeled and didn't is
5 different from what the lawyer says the case is, if you know
6 what I mean. He's a hired expert, he was asked to model
7 something, he did or didn't. That's different from pinning
8 Mr. Diver and his team down as to what they're seeking.

9 This slide says all class members seek an injunction
10 ending the restrictions and attendant blackouts. The only way
11 to read that now is that if these restrictions have the
12 agreement of requiring a blackout, yes, he is seeking to end
13 it. But he's allowing apparently the theoretical possibility
14 that an individual team, once they are free of the
15 restrictions, can still decide on a blackout. That's how I
16 understand his answer. We need to move on.

17 MS. WILKINSON: OK. So, the question is under Comcast
18 v. Bayron, the other question is does the model actually fit
19 the theory, which is why we're trying to find out first what
20 the theory is to see if the model fits it.

21 So, what does Dr. Noll tell you in his declaration
22 from a month ago? My model assumes that the blackouts within a
23 team's broadcast territory continue.

24 THE COURT: That's OK. I get that now.

25 MS. WILKINSON: They don't challenge content

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1 exclusivity, but yet they have these basic economic irrational
2 assumptions, which is the teams will give their feed away for
3 free, and basically that these people have to act like
4 competitors but they won't at certain times and they will.

5 So, we use the simple example. Random House today
6 owns the copyright and can license the Great Gatsby, right?
7 They are going to sell it on their own, we assume. If they're
8 going to give it or have HarperCollins distribute for them as
9 well, then they're not going to give it away for free, because
10 they're going to be competing with themselves. Why would they
11 give it away to a competitor?

12 THE COURT: Well, Mr. Diver did answer that in his
13 opening, he said because they make money both ways. In your
14 slide here they make money when they retail it, directly Random
15 House sells it to the consumer and they make money. And if
16 they sell it to HarperCollins they make less per books sold but
17 they still make money. They're going to charge HarperCollins
18 one ninth of the nine premium books, so they make money both
19 ways. Some people want to buy a collection, some people want
20 to just buy a book. We need to move on again, because I know
21 the answer, and you have limited time. So, I get it.

22 MS. WILKINSON: Two issues. When they give it away
23 for free, the HarperCollins people have no marginal cost, so
24 they're getting it for zero, so they can underprice them and
25 eventually --

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1 THE COURT: But they're not selling the same thing,
2 they're selling a collection -- in your case a package. Some
3 people want that collection, others want just the book. That's
4 the answer.

5 MS. WILKINSON: So the other problem is they didn't
6 show if they could make even more money by charging a fee, a
7 profit maximizing.

8 So, all Mr. Diver and Dr. Noll say is you can make
9 money if you give the feed away for free. But that's not the
10 question for the team, right? The individual team is now a
11 competitor with everybody, and they want to maximize their
12 profits.

13 So, what Dr. Ordoover -- this is what Dr. Noll's
14 analysis showed: Oh, look, if I keep the free feed rule in
15 place, you will have package profits and stand-alone profits,
16 and that will be profit positive.

17 THE COURT: Correct.

18 MS. WILKINSON: But what Dr. Ordoover is going to show
19 you is, no, if each team were to negotiate separately,
20 bilateral negotiations -- I think your example is a supplier
21 with a distributor, so the team is the supplier, the league is
22 the distributor -- if they go up to 17 cents, they're going to
23 make even more money. So, why would they not do that? Why
24 wouldn't they want to maximize their profits? He never
25 calculated this. All he did was try and show you that there is

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1 some positive profit --

2 THE COURT: Right.

3 MS. WILKINSON: -- to the package. But that's not the
4 team's economically rational analysis. It's can I make the
5 most money.

6 THE COURT: Not necessarily, because there are
7 collateral consequences to making the most money. You don't
8 want to ruin the whole business. If you make too much money
9 and everybody else makes too little money, then the game is no
10 longer competitive.

11 So, I don't know what the incentives are to not make
12 the most money, but sometimes the most money will reduce
13 demand, sometimes the most money here in this particular case
14 might reduce sports competition. I mean I can project a number
15 of things, but it's not what I can do, it's what the experts
16 can do.

17 MS. WILKINSON: And the experts will tell you that's
18 what they balance, how much demand and how much price is that
19 perfect place where --

20 THE COURT: Right, like I say, I can imagine why you
21 wouldn't want to maximize every penny, but it's not for me to
22 imagine.

23 MS. WILKINSON: And Dr. Ordover and the others will
24 explain to you why that works here and it's kind of a win for
25 all the teams independently.

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1 And that would make -- if we're right that you can
2 benefit more from charging a feed fee, that would make in the
3 "but for" world all the package prices go up. OK? That's the
4 simple point. And what Dr. Noll --

5 THE COURT: But that argument does strike me as one
6 that would be hashed out at trial and not as a Daubert
7 challenge. If you're right, it just means that there are two
8 different views. One is right and one is wrong, and the fact
9 finder decides. I need to look for the flaws, flaws in
10 assumptions, flaws in the way economic principles are applied.
11 That's what I'm looking for in a Daubert challenge. By the
12 way, you raised plenty of them, but whether you win or not, I
13 don't know yet. But that's what I'm looking for, not who is
14 right but where the flaws are.

15 MS. WILKINSON: Of course, you're right, your Honor.
16 But we say that his irrational economic assumptions that are
17 fundamental to his model are the flaws, and this is just what
18 the flaws produce, they produce a higher package price.

19 So, we agree it's not whether we're ultimately right
20 or wrong -- obviously you already know how we feel about
21 that -- but it is does he have some flawed methodology and
22 economic assumptions that are key to his model --

23 THE COURT: That's what we are both looking at. OK.

24 MS. WILKINSON: So, what is he missing? What does he
25 not do that any rational team owner would do? They would want

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1 to know the impact of all of their broadcast revenues. And he
2 doesn't dispute this. For the average team in 2012 -- and
3 that's the data that's been shared with everybody -- 57 percent
4 of all broadcast revenues for a team come from in-market. So
5 that dwarfs everything else. But what Dr. Noll does is he says
6 I'm not going to see if there is any impact on those in-market
7 revenues when you bring in the package at a lower price. Think
8 what he is doing. The price is now lower on the package and
9 the stand-alones are all around the in-market, so you are
10 constraining all the prices. Right?

11 THE COURT: Sorry, I don't follow what you just said
12 at all.

13 MS. WILKINSON: You start with your in-market
14 revenues. Let's go to Tampa because it's easier, and it's the
15 example we are going to use most of the time. We are in Tampa,
16 and Tampa Rays have their in-market revenue. Comcast pays them
17 through the RSN a per-subscriber fee. Just I think in 2012 it
18 was about 43 million on average per team. So that's a very
19 important source of revenue. And all they have that's
20 constraining that is the package, which is much more expensive
21 for a subscriber. Because I think you asked the question how
22 do you watch in-market. It's on your expanded basic cable
23 package, so you just pay your fee for that package, and
24 included in that is your local RSN as one of the channels.

25 THE COURT: Is that what is called the in-market

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1 package?

2 MS. WILKINSON: Yes. So, it's not really a sports
3 package; it's your cable package which includes --

4 THE COURT: Is there also an in-market sports package?
5 No.

6 MS. WILKINSON: Well, they have some things called
7 sports tiers, but that's not relevant. Here in New York if you
8 have cable you just flip on your cable package, and there is a
9 channel that shows you the YES broadcast.

10 So, you're back down in Tampa, and all of a sudden in
11 their "but for" world all of these stand-alones are coming in.
12 The Yankees are coming into your territory, and they're
13 charging this lower fee than the bundle.

14 THE COURT: Lower fee than what?

15 MS. WILKINSON: Than the bundle. The stand-alones,
16 when you want to just buy your Yankees games, it's cheaper than
17 buying the whole package.

18 THE COURT: The package being not a sports package but
19 your cable package.

20 MS. WILKINSON: No, I'm sorry. The out-of-market
21 package that the league sells.

22 THE COURT: Oh.

23 MS. WILKINSON: So in their "but for" world two things
24 change: You have all the stand-alones from each team coming in
25 and saying, hey, you can just buy me alone, or you can buy a

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1 cheaper out-of-market package now. So the economics are some
2 of the in-market fans go away and buy YES because they're
3 really more Yankees fans. It's constraining the price, and
4 these in-market revenues are going to go down. Dr. Noll
5 doesn't dispute that. But he doesn't say by how much. He
6 doesn't calculate it. So, he doesn't do what the owners would
7 do, which is figure out is having the package -- they can't
8 control the stand-alones -- is having the package worth it in
9 my overall positive revenue I'm trying to achieve versus not
10 having it? You will see he doesn't do any of that calculation,
11 which they would do in making this decision.

12 He also doesn't -- and he presumes the opposite, that
13 the teams once they have all the rights in their hands, that
14 they will sell the TV rights to somebody and they will sell the
15 internet rights separately. That's not what is going on today.
16 I think you pointed this out when you say, well, isn't there
17 convergence that's starting to happen.

18 In the real world in the contracts today -- we use the
19 Rays example -- if they get their internet rights back, the
20 teams -- because they don't have them right now at least in
21 MLB -- they go straight to the RSN. That's their producer. So
22 the Internet rights and the TV rights are together. They are
23 more valuable together for exactly the reasons that Dr. Noll
24 wants to separate them, because you're competing with yourself
25 when they're separated. So, the distributors want to buy them

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1 together and offer them to the customer, hey, you can watch TV,
2 or you can watch it on the Internet, but you pay us, and we
3 will provide both.

4 THE COURT: Us being?

5 MS. WILKINSON: Let's say it's Comcast.

6 THE COURT: No, but do you need the MPVD at all for
7 the Internet? Can you go direct?

8 MS. WILKINSON: You can go direct to the Internet, but
9 the same thing is going to happen. Right? You are going to
10 want to say --

11 THE COURT: I thought the RSN can go directly and sell
12 directly through the Internet, it doesn't mean the MVPD.

13 MS. WILKINSON: Right. But what I am saying is they
14 want to keep those rights together; they don't want to sell the
15 TV rights to the MVPD and then the rights to the Internet,
16 because they can't control the prices and they will compete.
17 They want to do multi-product pricing and control both of
18 those. And that's what this shows, that that's what happens.
19 And this is what has happened with the NHL last year in Canada,
20 they sold the Internet rights and the TV rights together.

21 THE COURT: They being?

22 MS. WILKINSON: The NHL in Canada. I am just using
23 this as an example.

24 THE COURT: I wanted to understand they. The league
25 is what you want to say?

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1 MS. WILKINSON: Yes.

2 THE COURT: OK.

3 MS. WILKINSON: And they did this because those rights
4 are more valuable together, allowing the distributor to offer
5 them to their customers in concert instead of in competition.
6 OK?

7 Most recently just this year Fox did the same thing,
8 so for the first time when you watch the World Series, which
9 Fox has exclusive broadcasting rights to, they also got the
10 streaming rights, the Internet rights, so instead of the league
11 giving the World Series to Internet watchers separately in
12 competition, they put them together, and Fox said, hey, if you
13 are my customer, if you want to watch it on TV, you can, if you
14 want to watch it on the Internet, you have to authenticate, you
15 have to show me you are a subscriber, but then you can watch it
16 on your device.

17 THE COURT: Well, this may be good for profit
18 maximizing for the league, but how about the consumer? In
19 other words, would the consumer benefit if there was that
20 competition rather than unit pricing or whatever you call it?

21 MS. WILKINSON: In theory the consumer could, but
22 there is no right to that, because these are the -- and they
23 don't challenge this -- you are the exclusive distributor of
24 content, you get to decide. And that's what we're saying, that
25 if you are trying to profit maximize, you would not separate

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1 those two, because you would cannibalize your own product.

2 THE COURT: Well, the demand might go up if it was
3 less expensive. It might be increased demand, so you wouldn't
4 cannibalize your own product if the demand went up
5 significantly because the price was cheaper.

6 MS. WILKINSON: In theory, your Honor. But I think
7 what we are trying to show you with this is that in the real
8 world people have already made these decisions, and they put
9 the rights together.

10 And what Dr. Noll comes in and says is I'm making
11 these assumptions that are key to my model. And we're trying
12 to show that they're not economically rational in many ways,
13 but one is they can't point to you in the real world where that
14 is really happening. What we're showing you is they are now
15 starting to put those rights together.

16 And that matters because even at the Internet -- I
17 think they keep pointing out to you, well, the Internet is the
18 substitute. It's not today. Even though the price -- again
19 this is 2012 data, but it hasn't changed much -- the price is
20 almost 50 percent lower on the Internet for the package. So
21 you see that on the left the package has 54 percent of the --

22 THE COURT: The television package.

23 MS. WILKINSON: On the left is the Internet package.

24 THE COURT: On the left, OK.

25 MS. WILKINSON: So, they charge a lot less for the

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1 Internet, \$20.05 a month, and on television they charge 50
2 percent more, and they still have almost half of the consumers.
3 So, it's not a substitute, it's not a perfect substitute.

4 THE COURT: Well, that's a big spread, and the
5 Internet generation is going to be the larger purchaser over
6 time -- I mean the Internet is here. All this reflects is
7 generation change maybe. Who knows. But it's an eight percent
8 difference anyway.

9 MS. WILKINSON: Right, but that's the point, that if
10 they charge so much less, why wouldn't everybody go to the
11 Internet?

12 THE COURT: Because generationally some people are
13 still in the television era, exactly. But that will change.

14 MS. WILKINSON: Yes.

15 THE COURT: Yes.

16 MS. WILKINSON: But they can't argue that it's a
17 substitute during the class period.

18 THE COURT: I understand.

19 MS. WILKINSON: And right now it is not a perfect
20 substitute.

21 THE COURT: I understand.

22 MS. WILKINSON: So, what we are left with they accept
23 that we can be the sole distributor, the team.

24 THE COURT: Right.

25 MS. WILKINSON: Which means you are allowed to engage

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1 in simple multi-product pricing. So if the team is like
2 Coca-Cola, they decide how to price a single can versus a
3 package, and they don't price them in competition with
4 themselves; they think about how the consumer will buy them.
5 They want the consumer if they go to the full package or the
6 single basically to be economically indifferent to them. They
7 don't want to undercut their price and their profits if they
8 can avoid it.

9 What Dr. Noll ignores is everyone who then has the
10 content in the distribution chain is going to have the same
11 thought. So, we used DirectTV. If YES in the "but for" world
12 they carry that stand-alone now down in Tampa, and they're
13 going to carry the television package, they're not going to
14 price those so that they undercut the value; they're going to
15 price them in concert. He really doesn't dispute that, but
16 then that's where his model fails to do any of that bargaining
17 and any of that calculation, and that's where we say that's a
18 fundamental flaw, because he says it's OK, and he says it makes
19 sense to do multi-product pricing when you are the sole
20 licensor, but then he doesn't account for it and how that would
21 change anything.

22 Then he adds many methodological flaws. This is kind
23 of the moving target. We shot at model number two. So, Dr.
24 McFadden says, wow, it changed the demand preferences, made
25 them extreme, and the price of the package didn't change. So,

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1 what does Dr. Noll do? He says, OK, I'm going to fix that.
2 And then what does he do? He fixes it by generating
3 extraordinary demand. So, he takes the World Series viewers,
4 who are watching it for free, and at the ultimate game, and he
5 says that in a "but for" world there is going to be a 600
6 percent increase in demand. And he says that those folks,
7 almost half those people, are now going to become paid
8 subscribers for regular season games when there is no evidence
9 that they've done anything but watch the World Series. That's
10 his basis for generating the demand.

11 And why do we think that shows totally absurd results?
12 Because he doesn't account for all the other distributors which
13 could end up being almost a hundred percent of the people who
14 watch the World Series, because he only has data for the two --
15 DirectTV and MLB -- he could actually be predicting that almost
16 a hundred percent of people who watch the World Series would
17 buy an out-of-market product. And I don't think anyone thinks
18 that's true.

19 So, then you look at the test to see what his model
20 shows, if it comports with common sense about this demand, and
21 I think Dr. Noll would agree, and we would all agree, that a
22 single team fan in the real world and in his model should be
23 more likely to purchase a stand-alone because it's going to be
24 cheaper, and a multi-team fan as he designs it should be more
25 likely to purchase the package. Right? That should be the

F3H7LAU1

1 trend. But look at what his data shows. This is from his
2 model. Dr. Ordovery just pulled out his output. Even though
3 the single team fan only values one team, his model still has
4 that 32 percent of those people purchasing a more expensive
5 package. That doesn't make sense to us.

6 And with the two team, instead of going in the
7 opposite direction, the more teams you like, the less likely
8 you are to buy the package. And the most extreme result? Take
9 a look at this, for the people who by his definition prefer at
10 least four teams, three or four more, 99 percent of them buy a
11 stand-alone, and only one percent buy the package even though
12 the package would be cheaper.

13 So this internal check that Dr. Ordovery is going to
14 tell you about shows that there is something flawed inside
15 that.

16 So, it's for all of these reasons, your Honor -- lack
17 of fit, the economic assumptions that are the foundation of his
18 model -- they are not a difference in facts; they are the
19 assumptions that create the parameters for his model -- and
20 then the methodology he uses producing these results that are
21 nonsensical -- are all the bases for our challenge to class
22 cert and Daubert.

23 THE COURT: Thank you.

24 (Continued on next page)

25

F3hglau2

Noll - direct

1 THE COURT: In our effort to stay with the proposed
2 schedule, it's time for the first witness. Anybody who wants
3 to, can use the jury box. It's available if anybody wants to
4 sit there.

5 Are you Dr. Noll?

6 THE WITNESS: Yes.

7 THE COURT: Do you want to stand for a minute. Raise
8 your right hand.

9 (Witness sworn)

10 THE COURT: Please be seated. When you're seated,
11 state your full name first and last spelling both names for the
12 record.

13 THE WITNESS: My name is Roger Noll, R-O-G-E-R,
14 N-O-L-L.

15 THE COURT: Thank you.

16 Mr. Diver.

17 ROGER NOLL,

18 called as a witness by the Plaintiffs,

19 having been duly sworn, testified as follows:

20 DIRECT EXAMINATION

21 BY MR. DIVER:

22 Q. Good morning, Dr. Noll.

23 A. Good morning.

24 Q. Can you briefly describe your expertise as it relates to
25 the issues in this case.

F3hglau2

Noll - direct

1 A. Well, my field of economics is industrial organization
2 which includes the field of antitrust and regulation and in
3 that context, I've been teaching and doing research in this
4 area my whole professional career. The research that I've done
5 includes many articles and two books on the economics of sports
6 and many articles and a book on the economics of television.
7 So that's my basic professional set of backgrounds.

8 Q. Now, have you produced -- prepared a set of slides to
9 assist in your testimony today?

10 A. I'm having trouble hearing you.

11 Q. I'm sorry. Have you prepared a set of slides to assist in
12 your testimony today?

13 A. Yes, I have.

14 Q. Can you describe what your assignment was with respect to
15 the plaintiffs' class certification motion.

16 A. Yes, this is a characterization of it, to determine whether
17 the evidence and analytical methods an economist would use to
18 analyze the liability allegations of the complaints and to
19 calculate damages are predominantly common among the class
20 members.

21 Q. Did you reach a conclusion?

22 A. Yes, I did.

23 Q. What were your conclusions?

24 A. That several issues had to be addressed to answer that core
25 question. The issues that needed to be addressed are listed on

F3hglau2

Noll - direct

1 this slide and that each one of these would be analyzed and
2 demonstrated using methods that are common to class members.

3 Q. Can you explain to me the common methods you would use to
4 assess market definition.

5 A. Market definition is about the extent of which products
6 complete with each other. One starts with a reference product
7 and then identifies other products that compete with it. And
8 as summarized in my expert reports, this is a characteristic of
9 the market and there -- the way this particular market works is
10 that consumers stage prices, whether it's prices for getting
11 things on television or prices for attending games that are
12 common to all members in a particular locality, so that any
13 analysis of market definition is going to be common. If one
14 attempted to define a market for one consumer, one would do
15 exactly the same analysis to identify the market for the
16 consumer who lived next door.

17 Q. And what methods did you use to analyze market power?

18 A. Market power is the degree to which a firm has the ability
19 to charge supercompetitive prices in the long run or to exclude
20 competitors from the market. Once again, this is a market-wide
21 phenomenon. Again, because the prices are charged on
22 market-wide basis, the degree to which a firm has market power
23 dealing with one consumer is exactly the same as whether he has
24 market power to deal with the next-door neighbor.

25 Q. How did you analyze the sources of market power?

F3hglau2

Noll - direct

1 A. The market power in this case is derived in -- with respect
2 to broadcasting in part from the territorial restrictions on
3 broadcasting. And so, the reason that firms enjoy market power
4 in their local broadcast areas is, in part, due or it's
5 enhanced by league rules regarding territories for
6 broadcasting. And that's, again, a common phenomenon that the
7 territorial rules that apply to one person apply to that
8 person's next-door neighbor.

9 Q. And how did you analyze the effects on competition?

10 A. The analysis consisted of a series of things addressing
11 whether there was loss of output, whether there was loss of
12 choice, and whether there was elevated prices. And there are
13 several pieces of analysis that went into this, but they,
14 again, all have to do with analyzing things at the level of a
15 market and it's common to the members of that class.

16 Q. I think we can skip the business justifications.

17 Did you conclude the damages to be resolved on a class
18 basis as well?

19 A. Yes, I did, and that is the -- and that required the
20 development of the econometric model of supply and demand for
21 out-of-market broadcasts.

22 Q. Now, did you analyze whether there are other
23 anticompetitive effects?

24 A. Yes. I just actually briefly mentioned these in answering
25 the previous question. These are -- this is the list of them.

F3hglau2

Noll - direct

1 Consumers have limited choice, that is to say, if I -- a New
2 York Yankees fan living in San Francisco, I do not have access
3 to the YES network with live Yankees games on it, it reduces
4 output by reducing the number of consumers who view
5 out-of-market telecasts. Indeed, in the opening argument, that
6 was the illustration point was that Noll must be crazy because
7 he assumes a lot of people would get access to games who don't
8 currently have it. So that's exactly the reduction in output.

9 And then the next point is that the prices are
10 elevated for -- this is exactly the point that was made by the
11 defendants' opening argument -- local territorial rights,
12 broadcast speeds are higher than they would be if the local
13 team faced competition from out-of-market teams. And then, of
14 course, the consumers themselves pay exactly one source of
15 supply of out-of-market games which is the league bundle and
16 because they face exactly one source of supply, they pay higher
17 prices than they otherwise would.

18 Q. Going back to the first top list, did you conclude that the
19 choices available to consumers was effect that was common?

20 A. Yes. It's common in the sense that it differs from region
21 to region from broadcast territory to broadcast territory,
22 because in both leagues the number and identity of the teams
23 that are available out of market and the choice they have is
24 different, but within each of the territories, the effect is
25 common to all consumers in that territory.

F3hglau2

Noll - direct

1 Q. Now, did you provide an econometric model of all of these
2 effects that consumers faced?

3 A. The econometric model that I estimated is relevant to some
4 but not all of these points. It is -- it's only with respect
5 to the question about raising the price of out-of-market
6 telecasts that is exclusively relied on the model. The other
7 points all have other sources of evidence and argument, but the
8 model is the sole source of evidence regarding the price
9 effect.

10 THE COURT: While the other three bullet points you
11 say have other sources of proof, does your model, though, add
12 to that proof and speak to any of those three bullet points?

13 THE WITNESS: Yes.

14 THE COURT: It may not be the sole source, but does it
15 speak to those three?

16 THE WITNESS: Yes. Well, it does speak to some
17 degree. Obviously, --

18 THE COURT: To all three, to all three of the first
19 three?

20 THE WITNESS: To a very limited extent, the first one.

21 THE COURT: Yes.

22 THE WITNESS: The output reduction to a substantial
23 extent, because one of the results of the market -- of the
24 model is what you saw in that slide, that there's -- the number
25 of people who subscribe to out-of-market telecasts goes up

F3hglau2

Noll - direct

1 substantially if they're allowed to buy single channels, so
2 it's more important for that. It is not relevant to the third
3 point. The evidence and analysis about that is separate from
4 it. And then -- but it is the sole source of information about
5 the last.

6 Q. Now, did you provide other analysis besides the model of
7 these issues?

8 A. Yes. That's sort of the point of what I just said.

9 Q. Now, did you analyze whether programming producers would
10 still produce broadcasts?

11 A. I'm sorry. I'm having trouble hearing you again.

12 Q. Did you analyze whether live baseball and hockey
13 programming would still continue to be produced in the absence
14 of the restraints?

15 A. Of course. Yes.

16 Q. Can you explain what this slide is.

17 A. Yes. The fundamental economics of television with respect
18 to professional sports and, indeed, with respect to all sports,
19 is that the act of providing broadcast coverage of a sporting
20 event doesn't cost very much. It's really inexpensive. And
21 it's become less and less expensive through time owing to
22 technological progress in the communications industry and the
23 ability to distribute signals. So, first point, it doesn't
24 cost very much. That's why you can have incredibly low
25 popularity sports on television, why there's lots and lots of

F3hglau2

Noll - direct

1 sports that have extremely low audience ratings, it's because
2 it's so inexpensive. You don't have to have much demand for
3 something to be on television.

4 The second point is that in the history of
5 broadcasting, the first reaction of the industry, the sports
6 industry to the invention of television was fear that it would
7 substitute for live attendance and that, in the words of the
8 defendants like to use, that television would cannibalize
9 attendance to live games.

10 In the late 1950's when broadcasting for the first
11 time became significant and important, it became obvious that
12 wasn't true; that the act of putting sports on television
13 naturally enhanced the value of sport and increased demand for
14 live attendance. So that there's the only circumstances in
15 which you can find a negative effect on broadcasting on
16 attendance is very specific, isolated things, such as when the
17 weather is really bad, there will be no-shows at the football
18 game if it's on television, but for the most part, the
19 broadcasting of sports is promotional.

20 Then the last point is that the world is full of
21 things that don't have territorial restrictions. We tend to
22 have blinkers because the four major professional sports in the
23 US have always had territorial restrictions that define their
24 broadcasting rights, but in reality --

25 THE COURT: You're including football and basketball?

F3hglau2

Noll - direct

1 THE WITNESS: Football, basketball, hockey and
2 baseball have always had territorial restrictions.

3 THE COURT: I want to be sure, that football and
4 basketball have the same issues that are in my cases?

5 THE WITNESS: They sure do.

6 THE COURT: I see. But they're not here.

7 THE WITNESS: They're not here, and football is very
8 different because it sells all of its television rights through
9 the league.

10 THE COURT: Okay.

11 THE WITNESS: So even though the football telecasts
12 are regionalized, so they really are local, they're sold by the
13 league, basketball has a whole other set of institutions which
14 are different than either of these two leagues, and I don't
15 know why Mr. Diver -- but you don't have to worry about that.

16 THE COURT: No. I was curious. And I was going to
17 ask that question today and I did. Okay. Thank you.

18 THE WITNESS: There's something that's similar in
19 basketball but there are differences as well.

20 THE COURT: Okay.

21 THE WITNESS: So the bottom line to it is, there are
22 these sports that have no territorial restrictions like college
23 football and college basketball. In Europe, there are no
24 territorial rights. They don't have territorial rights even
25 for attendance and location of teams. So the world is full of

F3hglau2

Noll - direct

1 examples where there are no territorial rights and sports do
2 just fine and they're all on television.

3 Q. And did you analyze the economic incentives of programming
4 producers in continuing to produce these games?

5 A. Yes. And this marries the demand side to the point about
6 the supply side which is that once you have decided to have a
7 sporting event, deciding to telecast it is incredibly cheap,
8 but on the other hand, sports has enormous value. And indeed,
9 of all the kinds of programming that are on television, sports
10 is the biggest, quote, "subscription driver," that is to say,
11 of all the things you can put on a cable television system or a
12 satellite television system, the ones that have the biggest
13 affect on of how many people subscribe to it are sports.

14 And this is an intriguing result that produces on the
15 one hand it doesn't cost much; on the other hand, it's
16 extraordinarily valuable to consumers. The producers
17 themselves also face these very low costs of distributing them,
18 which didn't use to be the case when there were only 20 or 30
19 channels on a cable television system, but with modern digital
20 technology, again, these are not significant costs.

21 And the reality is that the league packages already
22 distribute all the games in all the leagues nationally. It's
23 just they don't necessarily reach any given place because of
24 blackout rules, but the incremental cost of distribution of all
25 the games has already been paid; namely, through the league

F3hglau2

Noll - direct

1 bundles that are distributed through satellite and cable
2 television companies.

3 So removing blackouts would actually save them money
4 because it would eliminate the cost of actually figuring out
5 the different combinations of blackouts that they have to do in
6 every single market area in the United States in order to
7 adhere to their own territorial restrictions.

8 Q. Did you analyze whether the leagues would like to continue
9 to offer the bundles in the absence of these restraints?

10 A. Yes, I did.

11 Q. What was your conclusion?

12 A. Well, there are a number of reasons why they would want to
13 continue to offer to bundle and they're listed here. The first
14 is the point I made before, the promotional value: How do you
15 maintain the interest of the transplanted New Yorker in San
16 Francisco in baseball if he has no access to the Yankees? The
17 second is --

18 THE COURT: You don't need a bundle to do that. He
19 can buy a standalone --

20 THE WITNESS: That's exactly right, continue to offer
21 the bundles --

22 THE COURT: I know, but your first answer doesn't make
23 sense because he can just buy the Yankees if he wants to.

24 THE WITNESS: He can buy just the Yankees.

25 THE COURT: Yes.

F3hglau2

Noll - direct

1 THE WITNESS: Suppose it's a family in which there are
2 four people with four different teams.

3 THE COURT: That's right.

4 THE WITNESS: Then we can then analyze in economics
5 whether they would buy four different teams separately or
6 whether they would buy a bundle, and there's still enough
7 demand from the bundle left from those families that there
8 would be an economic market for the bundle.

9 The second point which I think is extremely important
10 here is that leagues have lots of rules that are for the
11 purpose of shifting revenue from the teams to the central fund.
12 And they do this for the purpose of revenue-sharing and
13 equalization because the more equalization you have to
14 revenue-sharing, two things happen that the leagues like: The
15 first is the number of viable teams goes up and the second is
16 player salaries are lower, all right?

17 So this has more -- more revenue-sharing has two
18 beneficial effects to the bottom line of the members at league
19 that as a collectivity, there are individual teams, however,
20 who do not benefit from revenue-sharing, and the Yankees are a
21 prime example. The Yankees are essentially the target of
22 almost all the revenue-sharing rules. They are the
23 quintessential example of a team that generates revenues that
24 are given to all the other teams in the league through
25 centralization of revenue.

F3hglau2

Noll - direct

1 Marginal cost is low, and I just gave the explanation.
2 And then the important point, of course, is that in the active
3 modeling demand, that gets to the slide that the defense gave
4 in their opening argument, that the bundled -- after all the
5 dust settles and all the individual single channels are offered
6 and people decide to subscribe to them, it's still
7 profit-enhancing to offer the bundle. That is something the
8 model can test; that it does, in fact, increase the profits of
9 the league to continue to offer the bundle given --

10 THE COURT: Increase over what?

11 THE WITNESS: There is an incremental positive profit
12 over all the revenues they have. Once we have the ability to
13 buy out-of-market teams on an *al a carte* basis, then that
14 equilibrium has the property that if you then add the bundle to
15 it, the profitability of the league as a whole goes up.

16 Q. Why did you conclude the damages could be resolved with
17 common evidence in this case?

18 A. Okay. These explain the reasons: The obvious point to
19 make right off the top is that unlike local television, the
20 league bundles are sold at a common price list available to
21 everybody, unless you happen to be in Connecticut and you have
22 to pay a sales tax basically.

23 THE COURT: Are you saying the bundle costs the same
24 in New York as in Utah?

25 THE WITNESS: It's all, yeah.

F3hglau2

Noll - direct

1 THE COURT: One price?

2 THE WITNESS: It's exactly -- now, there are multiple
3 packages -- there are multiple ways to buy the package, but
4 they're all available to everyone, with the single exception of
5 the renewal discount. You have to have subscribed last year to
6 get the renewal discount, but aside from that, it's common, and
7 the price depends on when you sign up or in NHL's case, whether
8 you pay with a Discover Card, but these are all prices commonly
9 available to everyone, all right? There are no individual
10 characteristics involved. There's no individual negotiations
11 between customers and anyone to get the league package.

12 And the -- what has to be taken into account, of
13 course, is that different people are paying different prices,
14 which is why we actually used as price the average monthly
15 price paid for packages of different durations. And most but
16 not all of the differences go away when you just use the
17 average monthly price.

18 THE COURT: So for the person who likes the package,
19 isn't it possible that after these restrictions are drafted and
20 after there's more competition, you said there's still an
21 economic incentive to produce a package, but it might cost
22 more, so those people are who like to buy packages may actually
23 end up paying more for their package than they do now.

24 THE WITNESS: Remember, though, that the price/cost
25 margin is huge, all right? In other words, the cost of the

F3hglau2

Noll - direct

1 package, the actual incremental cost of the package, given that
2 everything is already distributed nationally, is extremely low.
3 So the main element driving price of a bundle isn't its cost;
4 it's the elasticity and demand. It's the intensity of the
5 demand for the bundle.

6 THE COURT: Right. So the demand would drop if people
7 can buy *al a carte*.

8 THE WITNESS: Yeah, that's right. And we find --

9 THE COURT: So, I'm asking you, aren't there some
10 people who now buy packages who will pay more for their
11 packages after the restraints are eliminated?

12 THE WITNESS: The answer to that is no, because the
13 competition effect on price is the principal factor affecting
14 price. So what actually happens in the model that I have is
15 that the price of the bundle goes down, the number of people
16 who subscribe to the bundle goes down by an amount that's small
17 compared to the number of people who buy single channels.

18 Most of the effect of eliminating the restriction -
19 not all of it, but most of it - is new people coming into
20 out-of-market telecasts. And then there is another effect that
21 is a substantial fraction but not a large fraction of the
22 existing bundle people switch to --

23 THE COURT: So, you don't see any losers? The defense
24 keeps using the word "loser." Some people will pay more for
25 the same product. You don't think that's true. You don't

F3hglau2

Noll - direct

1 think anybody is going to pay more.

2 THE WITNESS: There are conditions under which more
3 competition could cause the price of a specific product to go
4 up. Those conditions do not exist here, all right? And,
5 indeed, one of the issues between me and the defendants'
6 economist is whether that would be true. And I have analyzed
7 the market and the conditions under which that result would
8 obtain do not apply here in my view.

9 THE COURT: So, what you're saying is if you're right
10 and nobody plays more, then there's no losers; and I don't have
11 to worry about class problem of winners and losers because
12 there aren't any losers.

13 THE WITNESS: That's right.

14 THE COURT: Okay.

15 THE WITNESS: What I have concluded is that the
16 possibility of losers is not plausible in this case because the
17 conditions under which that would happen do not obtain.

18 Q. Dr. Noll, can you describe what the conditions would be
19 under which it would be expected to obtain?

20 A. You mean the conditions under which the price would go up?

21 Q. Yes.

22 A. Yes. Well, her Honor identified one of them, which would
23 be a cost function that was strange, all right; that is to say,
24 where the nature of the costs were such they were
25 extraordinarily powerful in economies of scale that drove up

F3hglau2

Noll - direct

1 the price for those who remained for the bundle, and the reason
2 that doesn't obtain is because the incremental cost of the
3 bundle, once you have already got national distribution of all
4 the channels, is virtually zero, so that doesn't -- you can't
5 have a cost-side argument.

6 The second has to do with the relative elasticities of
7 demand for single-channel purchasers versus multichannel
8 purchasers; that you would have an effect where there was a
9 huge reduction in the elasticity of demand, the people who
10 wanted multiple channels had extremely elastic demands relative
11 to demand in general.

12 THE COURT: I'm sorry. I didn't follow that.

13 In other words, are you saying if 99 percent suddenly
14 only want single channels and only one percent want the
15 package, that would be a problem? But you don't see
16 percentages like that. Is that what you're saying or not? Did
17 I misunderstand? Is that what you meant by elasticity of
18 demand?

19 THE WITNESS: No. Elasticity of demand has to do with
20 how much the price would go up if you took off a few people,
21 right, and who are those people?

22 One of the features of the demand for sports
23 programming or any kind of programming is consumer
24 heterogeneity, that is to say they differ; and they differ in
25 not only how -- what their willingness to pay is for a

F3hglau2

Noll - direct

1 particular team, but their insensitivity to price, the degree
2 of sensitivity to price that they have. What the point I'm
3 making is even -- it doesn't have to be a large share jump,
4 suppose a one-third jump or 25-percent jump --

5 THE COURT: To the standalone and away from the
6 package?

7 THE WITNESS: If those are the most price
8 sensitive -- if those people are extremely price sensitive and
9 the ones that are left are extremely price insensitive, then
10 their price can go up. And that's why you have to do the GMM
11 demand model and calibrate it to the existing behavior of the
12 consumers is to see if that price sensitivity result is true.
13 And you could get that result. There's nothing about the model
14 that I did or the model that their experts did that wouldn't
15 get that result by assumption; it's just that it doesn't get
16 that result.

17 Q. I think we should turn to the damages model. Can you
18 provide an overview of the task you undertook with this model.

19 A. Yes. The damages model is very narrowly focused on what a
20 damage model has to do, which is, try to estimate the extent to
21 which the -- there was an overcharge for the product holding
22 the characteristics of the product constant; and this is
23 extremely important because the characteristics of the product
24 include the blackouts and that causes all this confusion about
25 what does Noll think the blackout rules are going to be.

F3hglau2

Noll - direct

1 The product is a bundle that would exist with the
2 existing set of blackouts, so you try to replicate that
3 blackout thing and say how much would competition by itself
4 affect that price? So, that's what the goal is, what is the
5 effect on the price? And then the second goal is at that
6 price, would the product continue to exist? That's the goal,
7 the pure goal of the model.

8 And in order to do that, there's two steps: The first
9 is to use the existing world in which there's consumers who
10 some of whom buy the league-wide bundle and there's a league
11 setting a monopoly price for the bundle. There's, contrary to
12 some characterizations, there's both a supply and a demand side
13 in step one, but the purpose of step one is to recover the
14 demand curve.

15 We know what the monopoly price is already by just
16 observing it, so we construct the model in which the existing
17 price is the monopoly price outcome and calibrate consumer
18 demand on the basis of that price, the sales of the product,
19 and the distribution of consumers according to how they
20 allocate their viewing time among channels. And that gives us,
21 in the first instance, a characterization of the nature of
22 consumers' utility functions, the things that drive their
23 demand, and the variation, the heterogeneity of consumers in
24 terms of that.

25 THE COURT: So when you estimate at step one, you're

F3hglau2

Noll - direct

1 envisioning a world in which they have the *a la carte* option?

2 THE WITNESS: The first step is no.

3 THE COURT: No? Why would you be estimating then if
4 you wouldn't have actual -- if you weren't changing anything
5 else, you would have actual figures.

6 THE WITNESS: Because we have to recover the demand
7 curve. In other words, the only information we have about the
8 nature of demand for out-of-market games is the existing
9 response of consumers to the limited option they're given --

10 THE COURT: Correct.

11 THE WITNESS: -- which is the bundle or nothing.

12 THE COURT: That's right.

13 THE WITNESS: So you use their response to that in
14 terms of the distribution of how many of them buy it.

15 THE COURT: That's an actual figure. You don't need
16 an estimate.

17 THE WITNESS: No, but you need that to answer the
18 counterfactual question if the prices change and the kinds of
19 products that were offered --

20 THE COURT: That's why I asked you when you said
21 "estimate," are you assuming a world in which *a la carte* is an
22 option? You said no.

23 THE WITNESS: That's step two. You take the demand
24 curve that you derive -- the demand relationship that you
25 derive from the existing world.

F3hglau2

Noll - direct

1 THE COURT: That's not an estimate. That's not an
2 estimate; you know that.

3 THE WITNESS: You don't know the demand curve; all you
4 know is the outcome. You know the price, and you know the
5 distribution of viewing times, and you know how many people
6 bought it. You don't know how they would behave if you changed
7 any of that.

8 THE COURT: Am I missing something? I think I asked
9 that three times. If you change something, the change would be
10 that they would have an option.

11 THE WITNESS: And that's step two.

12 THE COURT: Okay. Never mind. I'm not going to get
13 an answer to the way I'm framing it. I'm sure it's me. I
14 accept it as me.

15 Go ahead. Could you go back to the previous slide.

16 THE WITNESS: I think it's responsive to the question.

17 THE COURT: Can we go back to step two. Thank you.

18 THE WITNESS: Let me finish it off one more time.

19 THE COURT: Okay.

20 THE WITNESS: What you do in step two is you have a
21 set of -- a demand relationship is a mathematical formula that
22 says how will this particular consumer respond to a change in
23 the way things are sold and their price. And so you take
24 results from a very specific case, namely the league bundle
25 given the blackout rules and its price, from that, infer the

F3hglau2

Noll - direct

1 consumers' behavior, and from that say how will the behavior
2 change in step two to reflect the counterfactual world in which
3 all 30 of the RSNs or the team broadcast -- live team
4 broadcasts are distributed nationally.

5 So you're using a demand estimate you derived from the
6 status quo to analyze another counterfactual world that has
7 territorial restrictions removed.

8 THE COURT: Right.

9 BY MR. DIVER:

10 Q. You prepared some slides walking through these steps. It
11 would be better to move on.

12 A. Yes.

13 Q. You want to use this slide to try to answer the judges
14 question.

15 A. I think I already did it in saying step two. This would
16 just be repeating what I just said. The bottom line is step
17 one enables you to estimate parameters and their distribution
18 in consumer demand relationships; and from that, you can
19 generate a large sample of hypothetical consumers to do step
20 two that reflect the heterogeneity of tastes that are revealed
21 to you in the existing data.

22 Q. Can you help us understand what you mean by set of
23 parameters. I'm afraid we're going to hear this.

24 A. Yes. A structural model is a series of mathematical
25 equations that are meant to replicate the behavior of

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Noll - direct

1 participants in a market on both the supply and demand side.
2 And that -- that set of mathematical equations has numbers in
3 it that are constants that you don't know and you use the
4 existing data to estimate them, and those are called the
5 parameters.

6 So in a simple demand curve, you might say that, you
7 know, linear demand curve was at the quantity purchased is A
8 minus BP where P is the price, well, A and B are the parameters
9 and P is the variable in the equation that explains the
10 quantity demand.

11 Q. And what parameters are being estimated with this model?

12 A. The parameters that are being estimated are the -- are the
13 things that go into the utility function that measure the
14 responsiveness of the consumer to price; the value they place
15 on having access to the bundle; and the value they place on
16 viewing time of each of the teams or RSNs that they view.

17 Q. Without getting into how the method actually works
18 computationally, can you explain the Generalized Method of
19 Moments?

20 A. What the Generalized Method of Moments does is find the --
21 first of all, it calculates moments of a statistical
22 distribution of various phenomena, in this case, the viewing
23 times to the channels and uses an iterative process to
24 calculate the parameters in the utility function that we
25 described - the valuations is placed on the bundle and the

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Noll - direct

1 valuation placed on price, and the valuation placed on viewing
2 time - and it tries experimental values of these and with the
3 goal of coming as close to pre -- producing moments of viewing
4 time that are as close as possible as the mathematical
5 procedure can produce to the actual moments, and it stops when
6 it gets as close as it can.

7 Q. And is the Generalized Method of Moments generally viewed
8 as a reliable methodology?

9 A. Yes. It's -- it's used a lot by economists in general and
10 industrial organizations in particular to study demand in
11 products of differentiated markets.

12 Q. What do you mean by products of differentiated markets?

13 A. Products of differentiated markets are ones in which
14 products have different qualitative attributes but they
15 nonetheless are competitive substitutes for each other.

16 So, a Honda is not exactly the same as a Chevrolet,
17 but there are differences among them. And people go shopping
18 for cars and they actually bargain for people over what the
19 price should be, but even though they're different, even though
20 people will -- some people will express strong preferences for
21 one over the other, the reality is they compete despite the
22 fact they're different. And the automobile industry is a
23 classic example of a product differentiated industry where you
24 can measure demand by taking into account both the competition
25 across cars and the valuations people place on their

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Noll - direct

1 attributes.

2 Q. Now, you may have addressed what's on this slide. Has the
3 Generalized Method of Moments been used to estimate demand for
4 television programming before?

5 A. Yes.

6 Q. Has it been used many times?

7 A. Not many, but several. There -- I mean, there have been
8 several papers published, the most recent one is the one that
9 we have been using here by Greg Crawford and Ali Yurukoglu, but
10 there have been others as well. And yes, it is used to analyze
11 television demand. It's not the only model that's used to
12 analyze television demand, but it is one of the models that has
13 been published in peer review journals to measure television
14 demand.

15 Q. Were you familiar with the use of this method in the
16 television industry before the paper Crawford and Yurukoglu
17 paper?

18 A. Yes, of course.

19 Q. Again can you state again what the moments -- what is a
20 moment?

21 A. A moment is -- well, let's start off with what a
22 statistical distribution is. A particular variable may take on
23 many values with differing probabilities and a statistical
24 distribution, you can think of it as a picture like a
25 bell-shaped curve. What's the probability that any one of

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Noll - direct

1 these things is going to be actually observed? The moments
2 characterize the shape of that statistical distribution. The
3 first moment is the mean, the average; the second is the
4 standard deviation or variance, which is a measure of the
5 spread; and then there's skewness - is one tail bigger than the
6 other? - and then there's flatness - is it does it have a high
7 level peak or does it sort of spread out more? So there are a
8 number of moments that you can use to characterize statistical
9 distribution. Indeed there is an infinite number of them.

10 Q. Can you describe the datasets that you used to derive the
11 moments?

12 A. The -- well, the data we used -- the moments we actually
13 used are price, profit margin, and the viewing times shares.
14 So we calculate -- we calculate the means of viewing times of
15 each of the channels in the standard deviations.

16 Q. The means and standard deviations of what datasets?

17 A. These are data taken -- some of -- the two Internet
18 versions of the league bundle, NHL, MLB, have produced data at
19 the consumer level of viewing. And so we use those data to
20 calculate the moments directly. And in addition, we have a
21 sample of DirecTV customers. We don't have any viewing data
22 from Comcast.

23 THE COURT: I think we're going to take a morning
24 ten-minute break now. It's a quarter of on that clock. We'll
25 reconvene at five of on the courtroom clock. Ten minutes.

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Noll - direct

1 (Recess)

2 (In open court)

3 THE COURT: Just before we continue, I had a question,
4 Ms. Wilkinson. Maybe it's for you. I don't know because you
5 mentioned it, Dr. Noll mentioned it, you both mentioned it. I
6 want to make sure I have the facts right. It's very
7 elementary. I apologize for that.

8 Can you explain the blackout one more time. For the
9 person in San Francisco or Iowa who wants to watch a Yankees
10 game live, what happens?

11 MS. WILKINSON: It depends on who the Yankees are
12 playing. Are you assuming they're playing San Francisco?

13 THE COURT: Okay. I need a quick explanation for
14 that.

15 MS. WILKINSON: Let's assume they're playing San
16 Francisco, the only way in San Francisco to watch the San
17 Francisco/Yankees game is on your cable package, that's
18 in-market RSN that's part of the bigger cable package. That's
19 the only way you can watch it in San Francisco.

20 THE COURT: You can watch that game?

21 MS. WILKINSON: You can watch San Francisco playing
22 the Yankees.

23 THE COURT: But if the Yankees are playing somebody
24 else?

25 MS. WILKINSON: Yeah. Let's say they're playing the

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Noll - direct

1 Marlins or they're playing the Rays who they play more often,
2 then you can watch that on the out-of-market package in San
3 Francisco. But if you're in New York, the only way to watch
4 the Yankees are on their -- think of their, really, their cable
5 package that has YES on it.

6 THE COURT: So the blackout means that what's blacked
7 out of your out-of-market package is anything that involves
8 your home team?

9 MS. WILKINSON: Right. The whole game is blacked out.
10 Both ends of it are blacked out. So you can't -- in the
11 package in New York, you can't see the Yankees' side of the
12 feed. You also can't see the San Francisco or the Rays' side
13 of the package either.

14 So if you're living in New York, you don't get to see
15 either -- it's called game exclusivity -- you don't get to see
16 either game. If you're out of market and neither team --

17 THE COURT: -- is in your territory.

18 MS. WILKINSON: -- is in your territory, then you're
19 okay.

20 THE COURT: Then you're okay. But if your team is the
21 one playing against the Yankees, you won't see the game on the
22 out-of-market package.

23 MS. WILKINSON: On the outer market package.

24 THE COURT: Thank you. I just wanted a clarification.

25 MR. DIVER: If I may, if you live in Iowa and want to

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Noll - direct

1 watch the Yankees game and you don't subscribe to the package.

2 THE COURT: And if you don't subscribe to the
3 out-of-market package?

4 MR. DIVER: But you do subscribe to the YES network,
5 which is possible, that game would be blacked out of the YES
6 network.

7 THE COURT: That's what I thought somebody said in
8 opening and I didn't understand that. So if you live in Iowa
9 and purchase the YES network --

10 MR. DIVER: Yes, which you can do.

11 THE COURT: -- you can't watch the Yankees game?

12 MR. DIVER: That's exactly right.

13 THE COURT: What if you purchased on the YES network?

14 MR. DIVER: The YES network will show everything and
15 as soon as the game starts, it will black it out or replace it
16 with some --

17 THE COURT: What else is on the YES network other than
18 the Yankees game?

19 MR. DIVER: There's the pregame shows, postgame shows,
20 the history of the Yankees and so forth.

21 THE COURT: Maybe that's where I got confused.

22 MR. DIVER: So the team's own individual broadcasts
23 are blacked out outside of the territory; the league's packages
24 are blacked out within the territories. That's the
25 distinction.

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Noll - direct

1 THE COURT: Thank you. All right.

2 MR. DIVER: To get back to something more
3 interesting --

4 THE COURT: Not to me. That was interesting.

5 BY MR. DIVER:

6 Q. Perhaps it would be helpful to use some examples to show
7 how the model matches data.

8 A. Yes. This table, just as some illustrative examples, are
9 the moments that are used for the estimation of the demand
10 relationship. And once we have the estimated demand
11 relationship, the degree to which it predicts the data from
12 which it was estimated. And as you can see, it's not perfect.
13 It doesn't converge to perfection. It never does.

14 THE COURT: It doesn't converge to what?

15 THE WITNESS: Perfection. They never do. But -- and
16 these are not cherry picked. This would be characteristic of
17 the model that for the most part the predictions of the moments
18 of the data from which it was estimated are at, the converged
19 model predicts those models or something fairly close to it.

20 Q. Can you just go back and really basically for not -- in
21 this group explain to me what each of those numbers is
22 referring to and where it comes from?

23 A. If we look at the very first top, this is the MLB.TV, we
24 take the average amount of time spent viewing the Yankees RSN
25 or the YES network among all consumers who subscribe to MLB.TV.

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Noll - direct

1 We find that the observed average time is 5.6 hours and, of
2 course, this is distributed very widely because for some
3 people, it's going to be zero because it's blacked out. For
4 some people who are devout Yankees fans, it's going to be a
5 large number, and that gets us to the standard deviation which
6 is a measure of the spread.

7 So it says that standard deviation of that number of
8 viewing hours, which basically is a measure of the degree to
9 which the distribution is spread out, is 13.7, which is a big
10 number relative --

11 THE COURT: By the way, is that hours per week?

12 THE WITNESS: No. This is hours for the entire
13 season.

14 THE COURT: For the entire season?

15 THE WITNESS: Yeah, yeah. The average person --

16 THE COURT: Who subscribes?

17 THE WITNESS: Who subscribes to MLB.tv watches the
18 Yankees an hour a month.

19 THE COURT: No, not an hour of month.

20 THE WITNESS: Yeah, that's 5.6 for a season. A season
21 is six months' long.

22 THE COURT: Per season?

23 THE WITNESS: But that's composed of a bunch of people
24 who don't watch it at all.

25 THE COURT: Even though they subscribe to it?

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Noll - direct

1 THE WITNESS: They're subscribing to the whole bundle.

2 THE COURT: And this is nationwide.

3 THE WITNESS: This is nationwide.

4 THE COURT: I see.

5 THE WITNESS: That's the point, is that a large
6 fraction of people don't watch it very much and a relatively
7 small fraction of the people watch it a lot, and the mean is
8 the average value. And then the standard deviation tells you
9 wow, this is a very disperse distribution.

10 Q. Can you explain why the numbers are different for the
11 Astros?

12 A. I'm sorry. For the what?

13 Q. For the Astros.

14 A. Because the Astros, on average, across all consumers, are
15 less popular than the Yankees by a lot. The variation is less;
16 that is to say, you'll find more people piled up on relatively
17 small amounts of viewing; but on the other hand, those are, who
18 are Houston Astro fans, will be way out there on the tail of
19 distribution. And that's the generalized method of moments is
20 supposed to capture is, let's find those few people out there
21 who constitute the demand for the Astros games and see what
22 they would do under various circumstances.

23 Q. And is the line mean of favorite team RSN viewing time?

24 A. This gets to the other point about the disparity between
25 the average value for the Yankees and this one. If you look at

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Noll - direct

1 the people who have a favorite team, a favorite team of a
2 person who subscribes to the package, then the average amount
3 of viewing time per season is ten times as much as the average
4 viewing time as the Yankees. So what this is about is about
5 the fact that a lot of people are subscribing for the purpose
6 of viewing a particular team a lot.

7 Q. We might have crossed paths here. I'm looking at the line
8 in the blue with the mean RSN viewing time percentage.

9 A. Mean of favorite team RSN. Which one are you looking at?
10 Tell me which one.

11 Q. That one.

12 A. We got the mean of the Yankees, the mean of the Astro, the
13 mean of the favorite team, the price/cost margin and the bundle
14 market share.

15 Q. What do you mean by percentage of favorite team viewing
16 time?

17 A. This is the fraction of time spent viewing just one team,
18 so it's a big number. Those people spend over half of their
19 time watching their favorite team. So that's why you get this
20 result that the average is so low, but that's because the total
21 viewing time is concentrated in one team for those who -- for
22 the favorite team guys.

23 (Continued on next page)

24

25

F3H7LAU3

Noll - direct

1 Q. And what does the price cost margin refer to?

2 A. It's the price minus the estimate of the marginal cost,
3 which we have a debate about the right way to do it from the
4 data we have.

5 Q. What does the market share represent?

6 A. We have a debate about that one too. It is the number of
7 people who subscribe to the bundle divided by an estimate of
8 the maximum possible number of subscribers in the market.

9 And the importance here is that, you know, we use the
10 league play-off average viewing numbers as the measure, which
11 is probably too low a number in the sense that the actual
12 number of people who at some point watch the league
13 championship is actually a higher number, but here the issue is
14 one of conservatism. The bigger the market you make, the
15 bigger the effect of competition on price, because the existing
16 number of people who subscribe become the smaller and smaller
17 and smaller fraction of the number you might sell it to, and if
18 the number you might sell it to gets very large, the pay-off to
19 a price reduction is much bigger.

20 So, as you adopt potentially different definitions of
21 what the market size would be, the bigger that number is, the
22 bigger the estimate of damages is. So, we picked this one on
23 the grounds that it was the lowest plausible value from among
24 the range that one could defend.

25 It would be hard to argue that the average number of

F3H7LAU3

Noll - direct

1 viewers of a league championship is an overestimate of the
2 number of people interested in a sport.

3 Q. Can you describe what this chart is showing.

4 A. This is the predicted distribution of viewing times for the
5 YES Network versus the actual. This is sort of predicting the
6 data from which the model was derived and showing the
7 distribution, and again the fact that a relatively small number
8 of people view them a lot and a relatively large number of
9 people view them very little.

10 Q. And what is this one?

11 A. Pardon?

12 Q. I've changed the graph.

13 A. Oh, OK. This is the same thing for the Penguins in the
14 NHL.

15 Q. And did you conclude that the model -- the matches of the
16 moments between the observed and predicted moments?

17 A. Yes, these are the illustrations of a more general point,
18 which is that the explanatory power of the model to replicate
19 the data from which it is estimated is high, and would pass
20 normal conventional tests of whether the estimation procedures
21 produced a good result.

22 So, the results for a specific team aren't that
23 important. What is actually important is the power of the
24 model itself to explain all of the data, all the moments, the
25 average viewing times, as well as the standard deviations and

F3H7LAU3

Noll - direct

1 everything for all the teams. That's the criteria. The
2 criteria that the estimation procedure uses is fitting all of
3 the moments, so any single one isn't all that informative.
4 What is informative is to look at the overall ability of the
5 model to predict the data from which it was estimated. And it
6 does a good job of that.

7 THE COURT: But what I see in these slides is that the
8 estimate is pretty identical to the actual.

9 THE WITNESS: Yeah. If there were a large number of
10 teams for which this weren't true, then you would say maybe we
11 haven't done a very good job at least with respect to some of
12 the teams capturing their demand. But we don't find that.

13 So, we find that indeed the model does fit the data.
14 That doesn't mean you can't argue with how we use it, because
15 this is not addressed to what is the proper model for the
16 supply side on the "but for" world, but this says we're doing
17 pretty good on the demand side.

18 Q. And did you assess the standard errors?

19 A. Yes. The standard error estimates of these things are
20 all -- we did -- we do -- we passed the standard tests of
21 statistical significance.

22 Q. Now, turning to step two of your model, can you provide an
23 overview of step two?

24 A. Yes, the second step is one that takes a model of the world
25 as it exists -- and it does a good job of replicating it -- and

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Noll - direct

1 applies it to a world that doesn't exist. This is where the
2 simulation in. And in particular what is done is one changes
3 the choices available to consumers, and changes the model of
4 competition among the firms in the industry from monopoly to
5 something else, and examines what is the effect. The focus is
6 what is the effect on the demand of the bundle, both its price
7 and sales, if we move to a world that's more competitive. And
8 that is the essence of what the second step does.

9 Q. Can you explain how the results from step one are used.

10 A. Yes, step one gives you will the demand relationship. But
11 you are assuming a world in which the supply side of the model
12 has changed from one of being monopoly to one of being one in
13 which all of the out-of-market RSNs are available.

14 Remember, the data themselves come from people who
15 live out of market quote unquote. They are subscribing to an
16 out-of-market bundle. So, the market you're modeling is one in
17 which for out-of-market people the restriction against other
18 teams broadcasting their games into that market where these
19 people live has been removed. That is the essence of it.

20 We have not removed the failure of the bundle to
21 include the in-market RSN, but we have removed the restriction
22 that all the other RSNs are prohibited from being there in
23 terms of the individual stand-alone channel. So, we have
24 relaxed the notion that the only way you can get access to
25 out-of-market RSNs is to buy the league-wide bundle.

F3H7LAU3

Noll - direct

1 THE COURT: Is that why you say you accept the
2 blackout -- you meant the blackout in the out-of-market
3 package. When I asked the question after the break, and you
4 explained to me that if the Yankees play the Giants in San
5 Francisco, if the Yankees play the Giants, that blackout you
6 are going to assume remains in the out-of-market package, but
7 the YES Network can sell directly in San Francisco.

8 THE WITNESS: Yes.

9 THE COURT: I got it.

10 THE WITNESS: It's important to recognize that the
11 term blackout means different things.

12 THE COURT: Now I do. So, what you are assuming is
13 that the YES Network can sell directly in San Francisco, but
14 the out-of-market league package can continue to black out the
15 Yankees/Giants game.

16 THE WITNESS: The RSN or the channel that carries the
17 Chicago Cubs is always going to be blacked out in Iowa.

18 THE COURT: Wait. What?

19 THE WITNESS: Because Iowa is in the territory of the
20 Chicago Cubs. You asked about Iowa.

21 THE COURT: I didn't get the geography of that. Can
22 we just stick with California where I do understand it? My
23 example is on the repackaging, the Yankees/Giants game can
24 continue to be blacked out in your model, but the YES Network
25 can sell directly into California.

F3H7LAU3

Noll - direct

1 THE WITNESS: That's right.

2 THE COURT: OK.

3 THE WITNESS: And can even sell if it's playing the
4 Giants or the As.

5 THE COURT: I got it. They can sell directly in, but
6 the league out-of-market package in your world, you are
7 accepting that it continues to black out that game in both New
8 York and California.

9 THE WITNESS: Yes, the league bundle still respects
10 the local RSN blackout; it doesn't respect any of the other
11 blackouts.

12 THE COURT: OK. So there are different kinds of
13 blackouts, and that may be some of the confusion. Good, that's
14 helpful.

15 A. So that's the first point, that you have to take into
16 account what is being relaxed, what's being offered, and it's
17 different in every single local region for the 72 regions for
18 baseball and the 46 I think it is for hockey. They all have
19 different blackout patterns.

20 Then the second thing you do is you have to model the
21 nature of the competitive interaction among the new entrants
22 who are the stand-alone channels and the league bundle. This
23 is where all the disputes are about what constitutes
24 bargaining. It's different models of how the competitive
25 interactions take place. It's not about I don't do bargaining.

F3H7LAU3

Noll - direct

1 Of course I do bargaining. I just don't do it in the market
2 structure and the set of assumptions that they do it. I have a
3 different set of assumptions about what the nature of those
4 bargaining --

5 THE COURT: Well, where do you have bargaining? I
6 thought your model did not have bargaining between the team and
7 the RSNs or the RSNs and the MVPDs, that you took out two steps
8 of bargaining.

9 THE WITNESS: That's because the defendants described
10 bargaining as identical to negotiation over a per unit of
11 output fee. And you can see that when they use the word "give
12 it away for free." Teams don't give away their package for
13 free, the league bundle. What they get is a profit share.
14 They get a fee, it's just not the kind of fee that's going to
15 distort the price. So, I am assuming that the way that
16 bargaining works is that it's not a fee based on output. It's
17 not a fee based on how many people buy that particular channel.
18 Instead, it's another kind of fee that doesn't affect the final
19 price, because the final price is the one that maximizes the
20 joint profits of everybody.

21 THE COURT: So, the feed is free but the profit to the
22 network comes from the distribution? They get a percent of
23 each subscriber? Or what? Where do they get their fee?

24 THE WITNESS: I have a long table later on in the
25 presentation about all the different ways, but the most obvious

F3H7LAU3

Noll - direct

1 is the profit sharing one because that's what the league bundle
2 already is. All right? When marginal costs are essentially
3 zero profit sharing has no effect on final prices. And there
4 are other things that you can do. What you try to do is make
5 the fee be related to the popularity of the team but not be
6 related to the specific number of people who buy a service in
7 order to get access to that team.

8 What causes the distortion and the higher price at the
9 retail level is when you cause an intermediate price, a
10 transfer fee inside, to be related to the quantity of output of
11 the wholesale supplier.

12 So, what do people do to get around that? Because
13 nobody wants to have the retail price be above the monopoly
14 price. That's not in anybody's interest. So there are other
15 contract forms that are widely used not on in sports but in
16 television in general to avoid that.

17 THE COURT: So how does the team get the fee? What is
18 it based on?

19 THE WITNESS: It could be profit sharing. I don't
20 have an opinion on how eventually it could be, but it could be
21 fixed fee. A lot of them do fixed fee and it's renegotiated
22 every two to three years, you pay me X million of dollars and
23 you get to broadcast my games.

24 THE COURT: Fee from the distributor? From the MVPD?
25 The RSN?

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Noll - direct

1 THE WITNESS: The relationship between the network and
2 the team and the relationship between the MVPD and the network
3 can be of a contract form other than a fee per unit of output.
4 And there are multiple kinds of ways to write that contract.

5 THE COURT: But if you are going to write a contract,
6 you are going to bargain about it.

7 THE WITNESS: Of course. And that's why the notion
8 that there is no bargaining in my model is false. There is
9 bargaining; it's just not of the form that they assume.

10 THE COURT: I see. So, it's not bargaining based on
11 per viewer subscription.

12 THE WITNESS: Well, per unit of output of the channel
13 that's being sold.

14 Like per-subscriber fees when you are selling into a
15 bundle are not the same as per-subscriber fees when you are
16 being stand-alone. Per-subscriber fees when you are
17 stand-alone are the worst kind of pricing in terms of creating
18 this elevation of price.

19 Per-subscriber fees when you are one of a hundred
20 channels in a bundle, and you don't add very many subscribers
21 to that bundle, what you are actually getting is a large
22 payment for all the people who don't watch you, and then a
23 relatively small payment for the people who actually subscribe
24 to the bundle because you were there. And that's much less
25 distorting than a fee per-subscriber for a stand-alone.

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Noll - direct

1 And when you move from bundling to stand-alone, there
2 is a huge incentive to adopt one of the contract forms that
3 avoids the distortion of having price be closely related to
4 output.

5 MR. DIVER: There are a number of slides addressing
6 these issues.

7 THE COURT: OK.

8 Q. Before we move on to that, how is the counterfactual market
9 structure implemented? How?

10 A. Well, the specific assumption made is that there is
11 Bertrand competition among product differentiated firms, namely
12 the bundled plus the 30 RSNs, which is actually the most common
13 form of modeling the supply side in a product-differentiated
14 industry.

15 Q. And is it possible to use this methodology to model
16 different kinds of market structures?

17 A. Yes. An essential component of the blue box is based on
18 your analysis of the nature of the industry and its
19 institutions, what do you think is the most appropriate way to
20 characterize the competitive interactions among the firms, how
21 they actually compete with each other. And that is an
22 essential element. And variations in the assumption about how
23 that will happen cause different results in terms of what the
24 prices and quantities are going to be that emanate from it.

25 Q. Let's look at the way you implement it.

F3H7LAU3

Noll - direct

1 A. OK. The way we get a demand relationship is to take the 72
2 distinct broadcast regions -- this is why the exclusivity thing
3 is so complicated -- the 72 broadcast regions in Major League
4 Baseball, and the 46 broadcast regions in the NHL, and generate
5 from the distribution of preferences samples of 10,000
6 consumers in each of these broadcast regions, from which we
7 derive the demand curve for all the products in that region.

8 Q. Can you explain why there are 72 broadcast regions and 30
9 teams?

10 A. I would hesitate to say there is a rational reason for it.
11 It reflects historical patterns of how teams distributed their
12 regional broadcasting prior to the league deciding to have a
13 rule about how to deal with parts of the United States that are
14 remote from the home city of a team. Like, you know, Montana
15 is not within 600 miles of any team, but it has to be in
16 somebody's territory because the leagues have decided that
17 every square inch of the United States has to be in somebody's
18 home territory.

19 So, there is a series of rules about definitions of
20 home broadcast territories as well as home stadium territories
21 that are essentially derived from the inheritance of history
22 plus the sequence of expansion of the leagues. And there is
23 really no rational reason for it.

24 Q. You describe --

25 THE COURT: Would you go back one slide. I just want

F3H7LAU3

Noll - direct

1 to ask a question about the 10,000.

2 Isn't this kind of a random choice, that every single
3 region has 10,000 consumers? Because wouldn't in fact some
4 regions have more consumers than others?

5 THE WITNESS: Exactly. So when we go to the demand
6 curve, we weight the region by its population.

7 THE COURT: OK.

8 THE WITNESS: The reason we do 10,000 everywhere is
9 remember our market shares are pretty low, so we have to have
10 enough consumers in the sample that we can get a statistically
11 significant estimate of what the demand for the product is
12 actually going to be and how much is going to be sold, and so
13 you need a pretty large sample size in every region, and then
14 you weight it.

15 THE COURT: So, it is random to say 10,000 every
16 region because they differ, right?

17 THE WITNESS: Exactly. So the smaller regions have a
18 smaller weight. The 10,000 is simply this is how big it has to
19 be so that in the smallest region you have statistical
20 significance.

21 THE COURT: Thank you. Now you can go to the next
22 one. Thank you.

23 Q. Can you explain the three types of consumers you have
24 modeled?

25 THE COURT: Can you try really hard to keep your voice

F3H7LAU3

Noll - direct

1 up?

2 Q. Can you explain the three types of consumers you have
3 modeled?

4 A. Yes. The model characterizes consumers into falling into
5 one of three categories, which are hypothetical for another
6 purpose, which is trying to model the nature of competition.
7 All right?

8 And the idea here is that some people are subscribing
9 to the league bundle to get access to one team, and they do
10 relatively little viewing of any other team. Some people are
11 subscribing because they are interested in two teams. Like,
12 for example, the husband and wife may have different favorite
13 teams, and so their decision is based on only two teams. And
14 so the stand-alone versions of games, the one team person is
15 just that one stand-alone that is going to be of interest as a
16 substitute for league bundle. The two team person it's the two
17 stand-alones, each one versus the league bundle. And then the
18 multi-team is everybody else, and it's people who are
19 interested in three or more. And they're distributed as to how
20 many they are actually interested in, from three up to the max
21 they could ever have in the league bundle is 29. But in Iowa
22 it's 24. So, it's based on how many they could possibly have.

23 THE COURT: What does outside option mean?

24 THE WITNESS: The outside option is all the things you
25 do besides watch baseball or watch hockey.

F3H7LAU3

Noll - direct

1 Q. Why did you not divide consumers into more types?

2 THE COURT: What? Into what?

3 THE WITNESS: More types.

4 MR. DIVER: More types.

5 A. The original idea for this was something that appeared in
6 the documents, which is -- and it was really not two teams.
7 Some people are only interested in their favorite team, and
8 some people are interested in others. Professor McFadden took
9 that and came up with a characterization that there were fans
10 of the game and fans of the team, and he thought of a dicotomy
11 where there would be the actual number of subscribers to the
12 bundle with a mix of these two different types.

13 When we look at the data we discovered that a third
14 categorization was potentially important and would increase the
15 explanatory -- in principle it could increase the explanatory
16 power of the model. Going beyond that, the number of consumers
17 who fall into each of the other categories was sufficiently
18 small that further refinement would not buy anything in terms
19 of explanatory power of the model but would substantially
20 increase its complexity and run time. So, we stopped here.

21 The main value of this method is that it says
22 something about the nature of competition. It captures the
23 fact that competition is not uniform across all consumers, that
24 the value of alternatives is not the same among all consumers,
25 and this three-way categorization is sufficient to capture that

F3H7LAU3

Noll - direct

1 concept and to model appropriately, I think, the limitations on
2 the scope of competition in the model.

3 Q. Now let's turn back to the bargaining issue. Why is it
4 reasonable to assume that participants would reach a bargaining
5 that maximizes their joint profits?

6 A. It's the point I made before that if prices are expressed
7 as a price per unit of output -- we have to define output very
8 carefully. It's the sales to a particular person to gain
9 access to that product -- if prices are based on output, and
10 two firms in a vertical relationship, a wholesale supplier and
11 a retailer, both have monopoly power, then each acting on its
12 own will set a monopoly price, and the final retail price of
13 the retail monopolist will be higher than if the two firms
14 merged and monopolized their joint monopoly profits.

15 That's the problem with double marginalization. It's
16 an inefficiency; its a price that's so high that it's more than
17 a monopolist would charge. That's why there is a huge
18 incentive for people in vertical relationships that satisfy
19 this condition to find ways to negotiate out of it. Instead of
20 selling on a per unit of output basis, they do things like
21 baseball teams do for Pepsi Cola, they sell pouring rights.
22 They don't have a fee per unit of Pepsi sold; they sell pouring
23 rights. And that's a perfect example of a contractual way to
24 get around the problem of double marginalization.

25 THE COURT: But when I read the submissions, the

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Noll - direct

1 problem was whether or not double marginalization is sort of
2 the standard of the economic industry to use or not to use.
3 One side says it's always used, one side says it's either never
4 used or never used in this kind of model. Who is right on
5 that? It's very confusing for a noneconomist to know what the
6 industry standard is, so to speak.

7 MR. DIVER: Exactly. Let me first of all state that
8 everybody, whether they are talking about doing their own
9 research -- whether it's me or the defendants' experts -- you
10 pick the model that seems most appropriate for the data you
11 have and the institutions of the market and the firms that you
12 are analyzing. All right?

13 So, there isn't any single industry standard. What
14 there is is a set of tools that you pick among depending on
15 your view of what the best one is among the set of tools you
16 have.

17 And their claim about double marginalization is
18 because that's the result in the Crawford and Yurukoglu paper,
19 is that the reason they get the answer they do is that the
20 subscription drivers, the handful of cable channels that have
21 significant market power like CNN and Fox News, people like
22 that, would in fact charge a stand-alone per-subscriber fee
23 instead of what they now do, a subscriber fee for the entire
24 extended basic bundle, which is less of a double
25 marginalization problem. And the act of going from a system

F3H7LAU3

Noll - direct

1 that reduces or almost eliminates the double marginalization
2 problem to a system that emphasizes it would strip away
3 essentially all the benefits to consumers of unbundling.
4 That's the result. Now, that doesn't mean it's a prediction.
5 And Greg and Ali don't believe it's a prediction of how the
6 world would actually behave. What they are saying is if this
7 is what happens, then consumers won't derive any benefit, and,
8 indeed, it then manifests itself in policy, like, for example,
9 FCC policies about what vertically-related firms can charge for
10 if you are an MVPD there is an FCC process to regulate how much
11 you can charge your competing MVPDs for the networks you own.
12 That's an attempt to get rid of a form of double
13 marginalization.

14 So, what we know is the institutions in the industry
15 recognize the existence of the problem, the policy makers
16 recognize the existence of a problem, and so we have a series
17 of institutions of contract forms and other institutions to
18 mitigate it.

19 So, it isn't wrong to completely eliminate double
20 marginalization from your model or to say I'm not going to
21 worry about it because I'm just going to rely that the people
22 in the industry know this is a problem, we know they know it,
23 and they have invented ways around it.

24 THE COURT: And that takes me back to bargaining,
25 because again the criticism was it's in the Crawford model but

F3H7LAU3

Noll - direct

1 it's not in yours, and it's standard to have the bargaining. I
2 think you answered it already, but I just wanted to say isn't
3 that the same kind of attack, that you should have built in?

4 THE WITNESS: The real attack is I should have built
5 in a per-subscriber fee as the negotiation, as a thing
6 negotiated. And my answer is, no, they wouldn't do that
7 because it's not in their interest to do it. They would
8 negotiate something else that doesn't cause a double
9 marginalization problem.

10 THE COURT: Like the pouring rights.

11 THE WITNESS: Yeah.

12 MS. WILKINSON: Your Honor, I have an objection only
13 to what Dr. Noll introduced as hearsay statements from Greg
14 Crawford and Ari Yurukoglu. He said Greg and Ari don't agree
15 with that or something.

16 THE WITNESS: It's Ali.

17 MS. WILKINSON: Ali, excuse me. I would only object
18 to him testifying to hearsay.

19 THE WITNESS: No, this is their paper.

20 THE COURT: It's in the paper because the expert
21 relied on the source. It's in the paper, and maybe they can
22 point it to you outside of these hours, so you are satisfied
23 that it's in the paper. OK, it's not something that they told
24 him privately.

25 Q. Moving to the next slide, Dr. Noll, can you explain

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Noll - direct

1 different ways of avoiding double marginalization?

2 A. Yes, and here they are. The first thing is the competition
3 avoids it. Double marginalization is something that arises
4 when there is bilateral monopoly power, there is monopoly power
5 at the wholesale level and the retail level, so the more
6 competitive the market is, the less important double
7 marginalization is.

8 THE COURT: Is that one reason you wouldn't treat the
9 teams as a joint venture, you treat them as independent
10 entities, the teams from the league?

11 THE WITNESS: That is a separate issue, but you're
12 absolutely right that joint ventures can be used purely for the
13 purpose of creating a new product that is priced independently
14 of all the other products in the market.

15 Like we go back to Music Net and Press Play, that were
16 created by the record companies to sell digital recordings.
17 That got into hot water because it became a price fixing
18 conspiracy or had the trappings, the look, and they eventually
19 divested their joint ventures and now those companies are now
20 stand-alone companies.

21 The idea of a joint venture is not that it's a
22 mechanism to eliminate competition, it's that you are setting
23 up an independent source of price setting. That's how it's not
24 anticompetitive to add a new product by creating a joint
25 venture. If you create a joint venture for the purpose of

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Noll - direct

1 coordinating your pricing on all the other products that
2 compete with it, then that's anticompetitive.

3 So you had to be careful about joint ventures. There
4 are pro-competitive joint ventures and there are
5 anticompetitive joint ventures. You have to make the
6 distinction between them.

7 Going down, fixed fee contracts, like I said before,
8 the pouring rights.

9 Q. Are there examples of fixed fee?

10 A. There are a number. For example, the league bundles
11 themselves, some of them, in some cases are sold at fixed fees.
12 The baseball teams frequently mostly sell their television
13 rights to RSNs for a fixed fee. The contract is complicated;
14 it will specify the number of games and then so much per game
15 beyond that, and then a fixed fee just for the minimum number.

16 Then there are nonlinear contracts like per-subscriber
17 fees that are charged to be a member of a bundle are actually a
18 form of nonlinear contract. It's complicated as to why, but
19 they are.

20 THE COURT: I don't understand the word nonlinear.

21 THE WITNESS: It means that part of what you charge is
22 not related to how many customers you have, and part is related
23 to how many customers you have. So, it's not strictly a
24 per-customer charge.

25 THE COURT: OK.

F3H7LAU3

Noll - direct

1 THE WITNESS: And revenue sharing contracts, which is
2 how the league bundles are done, they are basically profit
3 sharing. Right?

4 And then collaboration on retail prices, where the
5 wholesaler and the retailer jointly negotiate both the
6 wholesale price and the retail price. These are all examples
7 of how you get around it.

8 Q. Can you explain how revenue sharing reduces double
9 marginalization?

10 A. Yes. Well, it's really easy to see in profit sharing,
11 because suppose you say that the wholesaler is going to get 50
12 percent of the profits and the retailer is going to get 50
13 percent. Then the retailer's problem of maximizing downstream
14 profits, the solution to the profit maximization problem --
15 maximize price times quantity minus cost -- is the same as the
16 solution to maximize half of price times quantity minus cost.
17 So, those two contracts get exactly the same result.

18 Revenue sharing doesn't exactly the same result. It
19 can create a distortion to the extent marginal costs are
20 important. But if marginal costs are low, then revenue sharing
21 is like profit sharing.

22 Q. Can you explain how existing agreements are structured to
23 address this issue?

24 A. Yes. This sort of is a summary, a beginning of a summary
25 of a lot of contracts that are actually in evidence in the

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Noll - direct

1 case. The agreements between teams and the RSN, they are
2 specifically a fixed fee per season or per game, and they
3 typically have tiering requirements, so that the agreement is
4 going to be they're going to be on a particular tier.

5 Likewise, the RSN contracts with the MVPDs can take a similar
6 form with about having a tiering requirement.

7 The agreements between leagues and teams on the bundle
8 is a profit sharing agreement. The agreements between the
9 leagues and television networks for a mix fixed fee like the
10 game on ESPN, the baseball game on ESPN or the baseball game on
11 Fox Network are for a fixed annual fee. NFL contract with CBS
12 or a season's worth full of broadcast is a fixed fee. League
13 agreements with MVPDs for the bundle in the case of MLB are a
14 fixed fee agreement, and for the NHL are a revenue sharing
15 agreement.

16 And this is another phenomenon where you might use a
17 quantity-based measure, but you combine it with other things
18 about penetration and tiering that put a constraint on what the
19 retailer can do that eliminates or mitigates the double
20 marginalization problem. And RSN agreements to MVPDs fall into
21 that category.

22 Agreements that involve content provider and setting
23 the retail prices I discussed. The MLB agreements with MVPDs
24 for MLB Extra Innings include provisions about joint setting of
25 retail prices. The MLB will be consulted and be involved in

F3H7LAU3

Noll - direct

1 the retail pricing process. Likewise, the agreements with NHL
2 Center Ice, they have a suggested retail price which turns out
3 to be very close to what the actual price is.

4 Agreements within vertically integrated firms can be
5 different. A vertically integrated firm doesn't obviously face
6 the problem of double marginalization because it is in fact
7 maximizing joint profits no matter what the transfer price is
8 for the wholesale product, like Group Sports versus DirectTV or
9 City Comcast Sports Network versus Comcast. Regardless of what
10 the wholesale price is, they are integrated entities and they
11 are going to charge the joint profit maximizing retail price.

12 Q. Can you explain how a tiering requirement limits double
13 marginalization?

14 A. Yes. Again, remember, go back to what the form of the
15 agreement is. They will have a per-subscriber fee, but the
16 per-subscriber fee isn't directly related to the number of
17 people who actually watch that network or, more importantly,
18 the number of people who subscribe to the MVPD because that
19 network is there. All right?

20 So, the bigger the tier, the more the number of
21 channels that there are on in the tier, like extended basic,
22 which is the biggest tier that MVPDs offer, the MVPD, if it
23 signs a tiering agreement where the per-subscriber fee will be
24 based upon a tier that has at least 80 or 85 percent of
25 subscribers which is written into the contracts, then the

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Noll - direct

1 amount it's going to pay is based on a very large number of
2 subscribers compared to the number of subscribers who actually
3 subscribe to that tier because of the presence of that
4 particular network. And that is sort of equivalent, that is a
5 two-part tier, where there is a big payment which is the
6 per-subscriber fee times the number of subscribers who don't
7 care very much about your network and didn't subscribe to you
8 because of that, versus a much lower than value to consumer
9 per-subscriber fee for the small fraction of people who
10 subscribe to the tier because you are there.

11 Q. Can you explain what you mean by two part tariff?

12 A. Yes. Or multi-part tariff is a fee structure in which
13 there is a component of it that is not quote marginal unquote,
14 doesn't affect the final good price. It's somehow related to
15 things that are not relevant to the decision-making variable
16 about how much to sell. So it can be just a fixed fee. It can
17 be, as we say, a per-subscriber fee on your biggest tier even
18 if you are not on it, like how many subscribers do you have.
19 Actually even if you are a pay per channel, the maximum
20 possible number of customers you could have is the total number
21 of subscribers to the MVPD, so you can have a contract that
22 says you have to pay me so much for every subscriber you have,
23 plus in addition to that an additional fee for those
24 subscribers who actually buy my particular channel.

25 So, those are all the ways you can do. And there are

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Noll - direct

1 lets other ways to do it. There is an infinity of ways to
2 create alternatives to strict linear pricing based on output.

3 Q. Can you explain what this slide shows?

4 A. This is the bottom line for the model. It shows you the
5 average monthly price of the various bundles here, the
6 estimated average monthly price of the bundles using the
7 additional competition that would arise from eliminating the
8 territory restrictions, and the percentage overcharge that is
9 estimated, which is basically the percentage difference between
10 these two columns.

11 Q. Can you explain why Comcast is not represented on this
12 chart?

13 A. Because they didn't provide the data that was necessary to
14 be able to estimate the model.

15 Q. And how could you account for that in calculating damages?

16 A. Well, one way to do it is to simply -- since Comcast and
17 DirectTV are competitors -- to assume they are essentially the
18 same. Notice that it's also the case that NHL is missing from
19 both DirectTV and Comcast, so you would have to figure out some
20 way to estimate the NHL value on MVPDs, if you didn't have any
21 data, they didn't provide any data.

22 THE COURT: Are these three on the left-hand column,
23 are these all television, or are any of them Internet?

24 THE WITNESS: The first two are Internet. Notice
25 these Internet prices are lower.

F3H7LAU3

Noll - direct

1 THE COURT: Right.

2 THE WITNESS: The reason they are lower is not just
3 price discrimination. You also get different products,
4 including the distribution system --

5 THE COURT: Right.

6 THE WITNESS: -- when you get an MVPD. So you can't
7 really compare them and say, oh, that one is higher than the
8 other and not just take any further things in account.

9 But in any case, what we have the most data for is the
10 Internet versions. Of course the double marginalization
11 problem is not a problem in the Internet service --

12 THE COURT: Because it's direct to consumers.

13 A. It's only a problem for the DirectTV estimation, and so
14 it's an only an issue that we can debate about the DirectTV.

15 What we can say is, look, the Extra Innings on
16 DirectTV has very close to the same mark-up, let's just pretend
17 they are both 27 percent and charge 27 percent to Comcast.
18 Then because those relationships from MLB and MVPD are the same
19 for baseball, let's just assume they are the same for the NHL
20 and say it's 31 percent for everybody.

21 To me as an economist, I would much rather have the
22 data than estimate them, but the table indicates to me I'm
23 probably going to get pretty much the same results, so...

24 Q. And for purposes of the modeling at this stage, did you
25 model multiple years?

F3H7LAU3

Noll - direct

1 A. Sorry. Would I do what?

2 Q. Did you model multiple years of data?

3 A. No. Again, at the time I was doing the modeling I didn't
4 have sufficient data to do multiple years. I can do some of it
5 now, and I will do more years, and more years is really
6 valuable because you can get some sense of price sensitivity
7 for multiple years, because there have been some changes of
8 price over time. An extremely valuable part of multiple-year
9 data is, first of all, being able to model price sensitivity
10 better, and secondly being able to model competitive
11 interaction between the Internet and the MVPDs better.

12 Q. Do you believe that a final damages model will be able to
13 calculate damages for the class in each case?

14 A. Well, there is no doubt that, yes, it -- the model will be
15 used to calculate damages. The only thing that's in doubt is
16 the magnitude, what the number will be, but the methodology is
17 standard, and we will just have a fight over what is the
18 appropriate way to assume the market structure works on the
19 supply side in a counterfactual world.

20 MR. DIVER: OK, I have no more questions.

21 THE COURT: Let me look over my notes and see if there
22 is more questions that I have.

23 You said that the assumption that the MVPDs have no
24 bargaining power is a conservative position. But why would
25 their having bargaining power result in even lower prices to

F3H7LAU3

Noll - direct

1 the consumers as opposed to higher profits for them? In other
2 words, you said it's a conservative estimate to assume that
3 they don't have bargaining power. Do you remember that?

4 THE WITNESS: Was this in my report or my testimony?

5 THE COURT: It may have been in the briefing, that the
6 claim is made that -- plaintiffs say that your assumption that
7 the distributors don't have bargaining power is actually a
8 conservative position. I'm trying to understand why the
9 plaintiffs lawyers say that.

10 MR. DIVER: Or ask me.

11 THE COURT: I could, but I thought I should ask him.

12 THE WITNESS: I don't have a clue as to what that is
13 in reference to.

14 THE COURT: OK.

15 THE WITNESS: I'm sorry.

16 THE COURT: That's OK.

17 MR. DIVER: I think what was understood by that was in
18 the context of an actual bargaining modeling you're bargaining
19 the bargaining power of two sides, and the MVPD's interests, if
20 it were in a bargaining situation with an RSN, is to lower the
21 prices that the RSN is charging and not raising them.

22 One of the things we saw in the Crawford and Yurukoglu
23 paper is that sometimes those bargainings result in lower
24 prices and sometimes they result in higher prices, so it's in
25 that specific context.

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Noll - direct

1 THE COURT: If the distributors would distribute both
2 league-wide packages and ala carte channels, why doesn't your
3 model use multi-product pricing?

4 THE WITNESS: Because it assumes independent pricing
5 and joint venture to avoid anticompetitive effects. If you
6 actually assume that the joint venture is for the purpose of
7 cartelizing the prices, setting prices cooperatively, then you
8 would get higher prices.

9 And it's not the case that what I am assuming is
10 independent pricing by the Yankees for the Internet version
11 versus the MVPD version. That's not what I am assuming. I'm
12 not modeling it because I don't have the data to model it,
13 because I don't have multi-year data, and I don't have data for
14 all of the MVPDs, but there is nothing here that is assuming
15 independent pricing of the Internet versus MVPDs. But what is
16 being assumed is --

17 THE COURT: The multi-products I was talking about was
18 the league-wide packages and the ala carte channels.

19 THE WITNESS: Yes. And the notion that a major
20 activity of the joint venture is going to figure out a way to
21 get collusive pricing of the stand-alone channel, that is what
22 I'm rejecting as a modeling strategy.

23 THE COURT: So, this again I guess really is a
24 question for you, Mr. Diver. So he only analyzed the impact on
25 out-of-market consumers, so that means you're really not

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Noll - direct

1 challenging any of the restrictions -- we talked about that
2 earlier -- in-market. In other words, that's not part of this
3 challenge.

4 MR. DIVER: Well, there are two answers to that.
5 We're not seeking to quantify damages for anything other than
6 what he has modeled.

7 THE COURT: Which is out-of-market.

8 MR. DIVER: Which is out-of-market. But he has
9 analyzed the anticompetitive effects in a more general way on
10 certain other practices. To the extent there are in-market
11 blackouts again that are the result of collusion, we're
12 challenging those.

13 THE COURT: But you don't have a model for calculating
14 damages.

15 MR. DIVER: But we don't have a model for calculating
16 damages.

17 THE COURT: Does that mean you are not seeking damages
18 for that?

19 MR. DIVER: We're not seeking damages --

20 THE COURT: Not seeking damages.

21 MR. DIVER: -- for them.

22 THE COURT: OK. OK. I don't have other questions.
23 We have ended seven minutes ahead of schedule, which is good.
24 We can either reconvene at two and have a slightly relaxed
25 lunch, or we can come back at seven of two. I vote for the

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Noll - direct

1 former; I think we should come back at two. Does anybody
2 strongly disagree? No. All right, see you at 2 o'clock.

3 (Luncheon recess)

4 (Continued on next page)

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Noll - cross

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AFTERNOON SESSION

2:00 p.m.

(In open court)

THE COURT: You are?

MR. KEYTE: James Keyte for the NHL and other
defendants.

THE COURT: Okay.

CROSS-EXAMINATION

BY MR. KEYTE:

Q. Dr. Noll, we heard a lot about from everybody about the
Dr. Crawford and Yurukoglu, but so it's clear, neither of them
have filed a report in this case, correct?

A. Not to my knowledge; no.

Q. So when it comes to defending this model, you're on your
own, right?

A. They're not going to be here to defend the model.

THE COURT: He's not. He has four lawyers sitting
here.

THE WITNESS: I was going to say, I'm not the only
person in the room on the plaintiffs' side.

THE COURT: Right. You are outnumbered, but you're
not --

THE WITNESS: I am outnumbered, but I'm not the only
one.

THE COURT: Okay.

F3hglau4

Noll - cross

1 Q. Dr. Noll, in terms of the relevant field of economics here,
2 would you agree that your model is what is called a structural
3 model?

4 A. Yes.

5 Q. Do you agree that on the demand side of your model, the
6 relevant field is discrete choice or so-called logit model?

7 THE COURT: You lost me. What?

8 MR. KEYTE: Logit. It is discrete choice modeling of
9 this type of demand.

10 THE COURT: What was the word, though? Somebody spell
11 it.

12 THE WITNESS: Logit.

13 MR. KEYTE: L-O-G-I-T.

14 THE COURT: Thank you.

15 Q. Can you explain what logit modeling is. It's out of your
16 report.

17 A. It's a random coefficient model, and basically that's an
18 assumption about function over form is, what the shape of it
19 looks like.

20 Q. It's a form of demand-side modeling. That's good enough
21 for now. It is a form of demand-side modeling, right?

22 A. Yes, the logit model is something that is used to estimate
23 the demand curves; yes.

24 Q. Now, in order for these types of models to be reliable, you
25 agree that certain modeling principles must be followed? Do

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Noll - cross

1 you agree?

2 A. I'm not sure I agree with you until I hear what these
3 principles are. Yes and no. There are certain things that
4 reliability -- there are tests for reliability. There are
5 things you do to try to match the model to the data; yes.

6 Q. Let's go over some basic principles and see if you agree
7 with them. Do you agree that a model must capture the relevant
8 and important characteristics of the industry being modeled?

9 A. Well, the demand-side model isn't about industry
10 characteristics; it's about product characteristics, so I'm
11 confused.

12 Q. Do you agree that your model must capture, whether it's on
13 the demand side or the supply side, the relevant and important
14 features of the industry being modeled? It's a simple
15 proposition. Do you agree with that principle?

16 A. Yes, the industry characteristics are principally captured
17 on the supply side; yes.

18 Q. And do you agree that in structural modeling, that the
19 model of the actual world must be consistent with the observed
20 data in the real world?

21 A. Well, perfect consistency, no. You try to construct a
22 model which -- as good as you can do to match the
23 characteristics of the real world.

24 Q. As close as you can?

25 A. Yes.

F3hglau4

Noll - cross

1 Q. And do you also agree that a model must be in what is
2 called equilibrium?

3 A. A model -- that is the point of a structural model, is to
4 compute equilibrium.

5 Q. Can you explain to the Court what equilibrium means
6 briefly.

7 A. It is the set of prices and outputs that represents the
8 interaction of the supply side and the demand side that has the
9 property that if you're there, nobody changes.

10 Q. And in common sense terms, it's nobody really wants to do
11 something else if you're in an equilibrium; correct?

12 A. Nobody wants to do so given various institutional
13 arrangements. There are -- we frequently talk about collusive
14 or cartel equilibrium in which everybody has an incentive to
15 deviate, but they nevertheless don't because the unraveling of
16 the cartel plus the punishment to them if they do deviate is
17 sufficient to cause them not to do it, but they would still
18 have an incentive to deviate, and the model is an equilibrium
19 only because of this other stuff.

20 Q. Understood. Do you agree that a model must be falsifiable?

21 A. I agree that -- you're at a point where we have philosophy
22 of science-type controversy. I happen to agree but not
23 everybody agrees that falsifiability is an important feature of
24 a model, but I agree with the statement, so if you ask me, then
25 I agree with it.

F3hglau4

Noll - cross

1 THE COURT: But it doesn't help me because I don't
2 know what it means to be falsifiable.

3 THE WITNESS: I was afraid of that.

4 Q. Do you agree that you can't --

5 THE COURT: Excuse me.

6 MR. KEYTE: I'm sorry.

7 THE COURT: What does it mean?

8 THE WITNESS: That it is something where you can test
9 whether its predictions mimic the real world in the context
10 that it was designed to model. So, if the model is designed to
11 estimate the price of X, you can predict the price of X with
12 it; you can test whether its predictions are accurate.

13 And falsifiability, in the context of my direct
14 examination, was the stuff I showed about reproducing the
15 moments, reproducing the data that were used to construct the
16 demand relationships.

17 Q. Let me ask a slightly different -- see if you agree with
18 this principle: You shouldn't have a model that produces the
19 same result, no matter what you put into it. Do you agree
20 that's called falsifiability?

21 A. Not unless the things you have in the model don't affect
22 the outcome or they affect it very little, yes. That doesn't
23 mean the model is false; it just means the phenomena you have
24 chosen to analyze are not very important in explaining whatever
25 it is you're analyzing.

F3hglau4

Noll - cross

1 Q. When you have things that are important and you put them in
2 your model and they produce the same thing, no matter how
3 extreme those things are, that's a falsifiability test as you
4 understand it?

5 A. No. That's not the right way to characterize what
6 falsifiability test is.

7 Q. So you agree with the principle. We just have a difference
8 of view on the principle.

9 A. Yes. You don't -- you pick a model to deal with the
10 particular problem, and the problem being defined by the data
11 and the structural characteristics. If you produce an
12 alternative set of data and an alternative set of structural
13 characteristics and show the model doesn't work for that, that
14 doesn't say anything about the falsifiability of the model for
15 the problem which it was designed to solve.

16 Q. Last question on this: If you have a model that you put in
17 relevant inputs and no matter what they are, it produces the
18 same result, is that a falsifiability test?

19 A. Not really; no.

20 Q. Okay. We'll have testimony on that.

21 Do you agree, as a matter of principle, that to be
22 reliable, a model must not produce counterfactual or absurd
23 results?

24 A. You'd have to define "absurd" to me. Obviously,
25 counterfactual, if it's relevant to the things and the problem

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Noll - cross

1 the model was designed to solve, then the answer to that is
2 obviously yes. But absurdity, you'd have to define what you
3 mean by absurdity. Scratching your head saying I don't like
4 that result looks weird to me, that not a test of
5 falsifiability.

6 Q. Yeah, but there comes a point that says ah, that makes no
7 common sense. I better see what's going on.

8 A. If you say so.

9 Q. I'm asking you, sir.

10 A. I don't know. What you mean by common sense, what's common
11 sense to you as noneconomist may not be common sense to me.

12 Q. So in your view, a model can produce absurd results; you
13 just don't know what "absurd" means?

14 A. No, I didn't say that. I said the -- if I were to answer
15 yes, I would have to buy into the notion that you are the
16 adjudicator of what is absurd, and I don't buy into that. I'll
17 have my own definition of what is a counterfactual or
18 implausible result, not let you do it for me.

19 Q. That's fine. I just want the principle. We can fight
20 about what it means to you. I just want the basic principle of
21 modeling. Thank you.

22 Now, let's talk about your model at a general level so
23 we understand it. So you start with the demand side, correct?

24 Correct?

25 A. No.

F3hglau4

Noll - cross

1 Q. You have a demand side?

2 A. I do have a demand side.

3 Q. And you estimate demand by using this logit model of demand
4 for both the league bundles and standalone packages, correct?

5 A. I -- that's, yeah, that is -- the object of the game is to
6 estimate the demand for the league bundle under a
7 counterfactual assumption --

8 THE COURT: But he said standalone. Did you also the
9 model the demand for the standalone?

10 THE WITNESS: Yes. The demand system is a system that
11 demands for everything.

12 THE COURT: For everything?

13 THE WITNESS: The league bundle and the standalone
14 channels.

15 Q. It covers both when you're doing that?

16 A. Yes.

17 Q. Would you agree, Dr. Noll, that the results of your demand
18 model should in fact be driven by, as you say, the data on
19 prices and viewing patterns of individual consumers?

20 A. The -- if the demand model is going to be a good job of
21 explaining demand, then the things you've chosen to use as a
22 the variables to construct the demand model ought to be
23 important in determining what the demand relationship looks
24 like.

25 Q. And here, there were prices and viewing patterns of

F3hglau4

Noll - cross

1 individual customers; correct?

2 A. Well, yes, except the prices don't vary.

3 Q. Yes.

4 A. But, yes, the action is coming from the pattern of viewing
5 times.

6 Q. As you testified from the supply perspective, you use a
7 Bertrand model to model the but-for world, correct?

8 A. That's correct.

9 Q. To be clear, so you're not following the C&Y I call it,
10 instead of Crawford and Yurukoglu, the C&Y model, on the supply
11 side, the paper, you're not following that on the supply side,
12 correct?

13 A. That's right.

14 Q. Now, your model has a variety of assumptions in it,
15 correct?

16 A. Yes, it has assumptions in it.

17 Q. Let's go through several of those. For example, in terms
18 of producing and distributing games, your model assumes that
19 the only thing that changes in the but-for world is that teams
20 can now distribute nationally, correct?

21 A. That's correct.

22 Q. And in fact, you characterize this as just an incremental
23 change from the actual world, correct?

24 A. Yes. It's changing one thing.

25 Q. It can go national. And your model assumes that the

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Noll - cross

1 allocation of RSNs in the way, for example, the MVPDs chooses
2 to distribute is the same in the but-for world?

3 THE COURT: Sorry. I didn't understand the question.

4 THE WITNESS: I didn't understand the question.

5 THE COURT: That's two of us.

6 Q. It's the same argument. Let me just state it again. Your
7 model assumes that the allocation of RSNs is the same in the
8 but-for world as they are in the actual world? It's the same
9 set of RSNs?

10 THE COURT: You're only asking that it's the same set
11 of RSNs?

12 Q. Your model assumes it's the same set of RSNs?

13 THE COURT: As now exists?

14 THE WITNESS: That's actually not true.

15 THE COURT: Okay.

16 THE WITNESS: It's that the games that are now
17 broadcast locally over RSN, those telecasts are the content,
18 but whether it's through the RSN or something else that
19 distributes them nationally, that's not part of -- that's not
20 an assumption.

21 Q. I understand that. You're not bringing in other RSNs.
22 You're not bringing -- you're just dealing with the RSNs that
23 are currently in the actual world in terms of your Bertrand
24 model?

25 A. The right way to characterize it is not quite that. RSN is

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Noll - cross

1 a stand-in for a series of live game telecasts organized by a
2 particular home team. And yes, it would normally be an RSN,
3 but sometimes it's an over-the-air channel, and it could be the
4 team itself.

5 Q. Correct.

6 A. So there isn't any institutional assumption about the
7 organization that does it. What the assumption is that a
8 season of live game telecasts for the Yankees is a product and
9 somehow it's getting there, and we don't care who does it.

10 Q. Thirty new suppliers. That's what you assume. In the
11 but-for world, there's 30 new suppliers, national suppliers of
12 individual packages?

13 A. The suppliers of the game telecasts are already there and
14 they're the teams.

15 Q. Understood. In your Bertrand model, you have 30 new
16 competitors, correct?

17 A. They're not new.

18 THE COURT: Try again.

19 Q. In the national, as you would call the national
20 marketplace? Sorry.

21 A. In the out-of-market territory, --

22 Q. Yes.

23 A. -- the number of people who are there differs from the
24 number of people who are there now by some number between 25
25 and 29.

F3hglau4

Noll - cross

1 Q. Okay. And your model assumes --

2 A. Twenty-four and 29. Excuse me.

3 Q. Sorry. Your model assumes that each team's national
4 offering will find MVPD distribution on both TV and the
5 Internet, correct?

6 A. I lost you again on the question.

7 Q. Your model assumes that each team's national offering will
8 find distribution on an MVPD on cable and on the Internet; it
9 assumes that it will find that distribution?

10 A. It assumes that all of these live game telecasts will in
11 fact be distributed nationally; that's exactly right.

12 THE COURT: But I have a question. I didn't think
13 that was exactly right. He's saying through an MVPD. Do you
14 need an MVPD to go Internet?

15 THE WITNESS: No. That's why I said it the way I did
16 because I wanted to make certain what was going on was correct.

17 Q. I want to cover both.

18 A. Okay.

19 Q. You assume that you'll have distribution through cable on
20 an MVPD and then over the Internet, as well?

21 THE COURT: What do you mean and then? You lost me.

22 MR. KEYTE: On both, on both, on cable and the
23 Internet.

24 THE COURT: I'm sorry. I don't understand you. Are
25 you saying MVPD is needed to distribute the content for either

F3hglau4

Noll - cross

1 cable or television?

2 BY MR. KEYTE:

3 Q. For cable for the MVPD; that's your assumption?

4 THE COURT: For cable, but not necessarily the
5 Internet?

6 MR. KEYTE: Exactly.

7 THE COURT: Okay.

8 A. Yes, the model assumes that all of these channels that
9 contain live game telecasts of every team are available
10 everywhere, although the number that are out of market differs
11 by regional. They're available to MVPDs everywhere; that's
12 what it assumes. Yes.

13 Q. And your model assumes that all the leagues' rules stay the
14 same?

15 A. Except the territorial restrictions on broadcasting.

16 Q. Exactly. Thank you.

17 Now, let's look more closely on the demand side. And,
18 first, I just want to talk about fans and their preferences.
19 And you testified that there's a heterogeneity, is the right
20 word, spectrum of preferences for sports fans, correct?

21 A. Yes. I testified that demand is heterogeneous.

22 Q. And you agree that there are fans that have favorite teams?

23 A. I agree that one way to characterize some fans is they are
24 fans of a specific favorite team; yes.

25 Q. In fact we'll get to it, you worked that into your third

F3hglau4

Noll - cross

1 model, correct?

2 A. The third model has a method for estimating which fans fall
3 into which category.

4 Q. Would you agree that fans that have a favorite team could
5 also have -- like other teams as well? Do you agree with that?

6 A. The concept of a favorite team includes a variety of
7 consumers. The only thing they all have in common is that a
8 very large fraction of their viewing is for a single RSN, but
9 what they do with the rest of their time varies, and how much
10 of the rest of the time is somewhat variable, although not
11 greatly.

12 Q. Right. I'll take myself, a fan of the Yankees, the
13 Rangers. I also like to see the rivals of the Yankees and the
14 Rangers lose in whatever games they're in. There's that type
15 of fan, correct?

16 A. Yes. There are perverse people in this world.

17 Q. And there are fans that have a favorite team that also like
18 to follow star players, like pitchers and Ovechkin and Crosby
19 on other teams, but they still have their favorite team,
20 correct?

21 A. If you say so, you're getting into weeds now about why
22 people distribute their viewing across channels and for the
23 purpose of the model, it doesn't matter what the "why" is.
24 Yes, there are people who have mostly -- most of their viewing
25 is accounted for by a single, favorite team, but they also

F3hglau4

Noll - cross

1 distribute viewing over others; yes, there are people like
2 that.

3 Q. I'm sad for you that that is a weed for you. That's life
4 for somebody.

5 A. I would just say get a life.

6 Q. I watch sports.

7 Do you agree that, in general, consumers derive a high
8 value or what you call utility for watching sports content?

9 A. Oh, yes. That's at the root of all of this. That's a
10 crucial element of trying to analyze sports broadcasting is the
11 fact that it's somewhat unique in the intensity of demand for
12 it among consumers.

13 Q. And you said, that's subscription driver as well?

14 A. That's precisely the sense in which it is unique. It is
15 the single most-important subscription subscriber.

16 Q. Dr. Noll, you said you did apply the C and Y methodology on
17 the demand side, correct, what they did on their paper?

18 A. I did it on both the supply and demand side in the initial
19 step one, and then I did it just on the demand side in step
20 two.

21 Q. And let me just highlight some differences so everybody
22 knows between what C and Y did on the demand side even and what
23 you didn't do or couldn't do, but didn't do. C and Y relied on
24 demographic data, correct, and you did not?

25 A. Yes. We do not have demographic variables to explain the

F3hglau4

Noll - cross

1 variations in the subscriptions across the regions.

2 Q. C and Y relied on geographic data and you did not?

3 A. Yes, we simulated the geographic data. That was part of my
4 estimate. We created geographic data from simulations from the
5 demand estimation.

6 Q. Now correlations, which I think is pretty -- I'm going to
7 ask you about it -- correlations means if I watch one channel,
8 I might have a positive correlation to watch another ESPN, I'll
9 watch ESPN2, or a negative correlation is when I watch one
10 channel, I don't like a certain type of channel; are you
11 familiar with that concept?

12 A. Yes, I am.

13 Q. Isn't it a fact that C and Y used correlation analysis and
14 you did not?

15 A. Yes. They were interested in identifying families of
16 channels because their set of channels was very heterogeneous
17 compared to mine.

18 Q. Let me focus more on the elasticity of demand of what C and
19 Y did and what you did and for elasticity of demand, lets call
20 that, if you can agree, willingness to pay.

21 A. Well, that's not what elasticity of demand means, but if
22 you want to call it that, we'll assume --

23 THE COURT: I'd rather know what do you -- did you
24 define it?

25 Q. You define it --

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Noll - cross

1 THE COURT: Excuse me. Please give me a moment.

2 MR. KEYTE: I'm sorry.

3 THE COURT: Thank you.

4 How would you define elasticity of demand?

5 THE WITNESS: The elasticity of demand is actually a
6 technical formula. It's the responsiveness of quantity
7 demanded to price, and it's basically the percentage change in
8 quantity divided by the percentage change in price. So it's a
9 number that says -- if it's a high number, you're really
10 responsive to price; if it's a low number, you're not.

11 BY MR. KEYTE:

12 Q. And you would agree that elasticity of demand plays a
13 critical role in your model?

14 A. Elasticity of demand plays a critical role in any model of
15 supply and demand because it determines the outcome in both
16 monopoly and a competitive case.

17 Q. Now, isn't it a fact in your model the price of the package
18 in the but-for world is a function of the price competition
19 between individual teams, or RSNs, and the packages?

20 A. Yes. The price competition occurs, yes, and that's the
21 mechanism by which price changes.

22 Q. Isn't it a fact, Dr. Noll, that C and Y's model for
23 calculating demand elasticities included data that varied over
24 time and geography?

25 A. Yes, but that's not the crucial fact. The crucial fact is

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Noll - cross

1 their data contains differences in prices in different areas.
2 They have -- they have price variation that is -- varies among
3 consumers both at the same point in time across geographic
4 areas and at different times for the same consumers in a given
5 geographic area, so they have price variation and we don't.

6 Q. So you don't have that. So you didn't do what C and Y did
7 on demand elasticity either?

8 A. That's correct. There's no price variation in the data
9 that were produced to me.

10 Q. So you had to do something else?

11 A. Well -- no. What we had to do does not include in the data
12 price variation, moments prices as part of the things we were
13 going to analyze because there weren't any. So therefore that
14 doesn't mean the demand relationship you estimate doesn't imply
15 a price elasticity because it does; it just means that you
16 don't have that particular source of variation in the data to
17 use as moments to estimate the demand relationship.

18 Q. You didn't have that. So you did -- in fact, you didn't do
19 what they did?

20 A. Well, I didn't make up price variations so I could estimate
21 elasticities from it, no. I used the price data that actually
22 exists for variation.

23 Q. So for your elasticities, you focused, in part, on market
24 shares and what is called a Lerner index?

25 A. That's correct. You can infer price elasticities from

F3hglau4

Noll - cross

1 equilibria in a market if your assumptions are correct about
2 the market structure.

3 Q. Let me ask you first about market shares. You only had
4 data about consumer preferences for people who bought the
5 package, correct?

6 A. That's correct.

7 Q. And that was about four percent of the people?

8 A. If you say so.

9 THE COURT: What people?

10 BY MR. KEYTE:

11 Q. Of the people that you've measured for your market share?

12 A. Of the total number of potential customers of the bundle,
13 it was three-point something percent.

14 THE COURT: What's the total number of potential
15 customers are? All adults?

16 THE WITNESS: No. It's the mean number of people who
17 watch the World Series or the Stanley Cup.

18 THE COURT: That's the total?

19 THE WITNESS: Yeah. That's -- a crucial part of the
20 model is what you assume the total potential market is.

21 THE COURT: That's the total potential, those who
22 watch the World Series or the Stanley Cup or both?

23 THE WITNESS: No. For baseball, it's the World
24 Series.

25 THE COURT: And for hockey, the Stanley Cup?

F3hglau4

Noll - cross

1 THE WITNESS: Yes.

2 THE COURT: So only 3.6 percent of that group bought
3 the out-of-market packages?

4 THE WITNESS: Exactly. Of those people who -- of the,
5 sort of, average rating in the World Series, a fraction of that
6 who bought the packages, 3.6 percent, something like that.

7 THE COURT: Okay.

8 BY MR. KEYTE:

9 Q. Just to be clear, you didn't have data on consumer
10 preferences for the other 96 percent?

11 A. No, the -- you have -- you have information about it in the
12 sense that you knew they didn't buy it. So you're generating a
13 group of consumers based upon an assumption about the
14 statistical distribution of demand that produces -- it uses the
15 fact they didn't subscribe it to estimate what their demand
16 parameters looked like.

17 Q. Understood. My question is slightly different. You don't
18 have data on the preferences, their tastes, of that other 96
19 percent anything directly?

20 A. Taste is one word; and preferences is another. Yes, you
21 have information on preferences to the extent for those who
22 subscribe, it's their actual pattern of viewing; for those who
23 didn't subscribe, it's the decision not to subscribe.

24 THE COURT: Yes. But he's saying within that 96
25 percent of people, you don't know whether they are team

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Noll - cross

1 favorites or everybody favorites or two-to five-team favorites?
2 You don't know which of the three groups they would fall in?

3 THE WITNESS: Right. What you're doing is assuming a
4 distribution of preferences, and then you're using that
5 distribution of preferences to simulate the preferences from
6 the people who decided not to buy.

7 THE COURT: So what do you project for that 96
8 percent?

9 THE WITNESS: That's why it's the same problem that
10 everybody has who uses this model, which is that you're trying
11 to predict what's going to happen in the market if the price
12 changes to something that it's never been before or if the way
13 the product is sold --

14 THE COURT: We need to back up. For that 96 percent,
15 as the question implied, we don't know if they are the type of
16 viewer that likes one team, two- to five teams, or all teams.

17 So, how do you distribute them amongst those three
18 choices when you have no information about them?

19 THE WITNESS: You make an assumption about the
20 statistical distribution of the parameters that go into the
21 utility function from which demand is estimated. And you
22 assume that you're only looking at the top few percent of the
23 values of those parameters; and that you use a continuation of
24 that statistical distribution down in to lower values that
25 would enable you to predict demand if the price were lower.

F3hglau4

Noll - cross

1 THE COURT: I don't understand a thing you just said.

2 For those 96 percent of people who watch the World
3 Series but don't buy the out-of-market package, we don't know
4 much about them. We only know they chose not to buy the
5 out-of-market package, but we don't know if they're single-team
6 fans, two- to five-team fans or all team fans.

7 Do you place them in one of those three categories or
8 you don't do that?

9 THE WITNESS: You estimate what the -- you estimate
10 what their preference -- what the distribution of that -- those
11 preferences is.

12 THE COURT: How do you do that? How do you project
13 whether it's 1/3, 1/3, 1/3 or 20/20/60? How do you do that?

14 THE WITNESS: That's precisely what the point of the
15 Generalized Method of Moments is about; it's a factor to
16 produce the complete distribution of parameters that go into
17 the demand relationship. And because it is -- it's informative
18 but people chose not to do it, so you know on balance, those
19 numbers have to be lower.

20 In addition to that, you know there's a distribution
21 of those among people. So you're making an assumption of
22 that's what a distribution looks like in general and you're
23 estimating the parameters of that distribution from the
24 information you have about those, and you can actually observe
25 their choices. And then you project demand into a new world in

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Noll - cross

1 which more people are participating, and they're the ones who
2 didn't have enough demand to buy the bundle at the old price
3 but may have enough demand to buy either it or a single channel
4 at a lower price.

5 BY MR. KEYTE:

6 Q. Thank you, Doctor. On the market share, in estimating the
7 size of the market, which is important, because that's how you
8 end up getting the share, you didn't have to buy a package to
9 watch the World Series or the Stanley Cup, right? You just
10 turned on the TV?

11 A. No. But that doesn't have anything to do with what you
12 determine is the size of the market.

13 Q. It's a factual question. You just turn on the TV, correct?

14 A. Yes, you can watch the World Series or the Stanley Cup over
15 ordinary television. I'm not sure we call it free, but, yes,
16 you can watch it over ordinary television.

17 Q. So your assumption is that if I'm interested enough in a
18 sport to just turn on the TV for the Stanley Cup, I'm part of
19 the market that might buy a package even though I'd have to go
20 buy a package, it's only a regular season package, it has
21 nothing to do with turning on free TV for the Stanley Cup,
22 correct?

23 A. No, it does have something to do with it because whatever
24 the price is for turning on the television to watch the game on
25 television, that means if the price of the bundle were that

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Noll - cross

1 low, you'd buy the bundle.

2 THE COURT: Is there a price at all for me to go home
3 and turn on the TV and watch the World Series?

4 THE WITNESS: There is a very tiny price.

5 THE COURT: What is it?

6 THE WITNESS: Namely the cost of the electricity and
7 all that of watching it, plus you do have to subscribe to the
8 MVPD, so it's not that it's free, all right?

9 THE COURT: I do? I have to have cable?

10 THE WITNESS: If you live in an area where you can't
11 get over-the-air. And only -- 90 percent of the households in
12 fact do have MVPD service, so the vast majority of people get
13 their television from MVPD use. The price is low, but,
14 remember, the demand curve is supposed to be defined for all
15 possible prices, including a very low price. So that's
16 why -- the fact that people are willing to turn on and watch at
17 a price that's very low means they have enough interest that
18 there exists a price if they were to pay for it.

19 THE COURT: Plus, on your side of the ledger, they
20 also some interest in hockey or some interest in baseball?

21 THE WITNESS: Or they wouldn't have turned it on.

22 THE COURT: Exactly.

23 THE WITNESS: And not all of those would watch only if
24 the price were zero. Some of them would have paid a higher
25 price. So what you're trying to recover is that entire demand

F3hglau4

Noll - cross

1 relationship: How many would watch if the price were ten cents
2 or a dollar or ten dollars? We cover the whole thing.

3 Q. I was just highlighting that factual difference. Let's
4 talk briefly about the --

5 A. It's not a factual difference. It is a part of the fact of
6 the demand relationship is that the price is really low to
7 watch it on television.

8 Q. I'm simply saying it's different factually to turn on the
9 TV for free and to actually purchase a package.

10 THE COURT: Well, if he doesn't accept your premise,
11 then it doesn't matter how many times you say it. He does not
12 agree that it's for free, it's very minimal, but it's the cost
13 of buying your cable package or the cost of the electricity or
14 the intangible, to me, the cost of your time, but, okay. If
15 you're willing to put your time into that sport, that's
16 something.

17 Q. Let me ask you a few questions about the Lerner index.
18 Would you agree, Dr. Noll, that the Lerner index only applies
19 to firms that are engaging in a short-term profit maximizing
20 strategy?

21 A. It depends on how you define marginal costs whether it's
22 short term or long term. But the Lerner index is an indicator
23 of the degree of market power a firm has in reference to a
24 mark-up over marginal cost and the time frame of the marginal
25 cost to something you can choose.

F3hglau4

Noll - cross

1 Q. But the standard approach to the Lerner index is that it's
2 a short-term profit maximizing concept; correct?

3 A. Sometimes it is and sometimes it isn't. It depends what
4 the question is. The time frame of the Lerner index is a
5 function of the question you're asking.

6 Q. I'm asking in the abstract, is the Lerner index geared for
7 short-term profit?

8 THE COURT: I think he answered you. He said
9 sometimes yes and sometimes no. We need to move on. And by
10 the way, I don't know what the Lerner index is. You have to
11 remember who your audience is for your cross-examination.

12 MR. KEYTE: I'm sorry. I thought you did explain that
13 on direct.

14 THE COURT: I don't remember that.

15 Q. Would you explain briefly again -- not again -- the Lerner
16 index.

17 A. The Lerner index is price minus marginal cost or the margin
18 divided by the price. So, when you say the Lerner index is .3,
19 that means there's a 30 percent mark-up of price over marginal
20 cost.

21 Q. Dr. Noll, your second model, I just want to make sure the
22 Court understands, have you abandoned your second model?

23 A. By "the second model," you mean the one that was done in
24 September?

25 Q. Yes.

F3hglau4

Noll - cross

1 A. No.

2 Q. So that's still a live and in play?

3 A. Yes, it is. That's an alternative way to estimate damages
4 that's based on team viewing times instead of RSN viewing
5 times.

6 Q. And it's subject to Dr. McFadden's falsifiability test,
7 correct?

8 A. If Dr. McFadden says so. I don't think his falsifiability
9 tests are valid falsifiability tests as I explained in my
10 report.

11 Q. In any event, you changed how you categorized consumers in
12 your third report, correct?

13 A. Among other things.

14 THE COURT: I have to back up. What is the difference
15 between team viewing time and RSN viewing time?

16 THE WITNESS: Okay. What do people actually watch?
17 They watch two teams playing each other.

18 THE COURT: Correct.

19 THE WITNESS: So one way to think about --

20 THE COURT: Never mind. I know. The two networks,
21 they compete.

22 THE WITNESS: How much time they view each team or the
23 other one is how much time they view --

24 THE COURT: The Yankees Network v. The Yankees and
25 Giant game.

F3hglau4

Noll - cross

1 THE WITNESS: If I'm watching the Yankee Network, I'm
2 viewing both the Yankees and the Red Socks.

3 Q. Dr. Noll, in your three categories, if I'm in category one
4 because I strongly prefer a team, do you zero out my tastes for
5 other teams?

6 A. I don't understand the question. Do I zero out for what
7 purpose? What's the question?

8 Q. Do you take me as a simulated consumer because it -- seems
9 simulated consumers and then when I'm in category one, I don't
10 have tastes for other teams. If I'm in that category one, I
11 just have a taste for one team alone; correct?

12 A. Yes and no. Yes, it's true the assumption is made that
13 the -- we're creating hypothetical consumers that are only
14 interested in one, only interested in two, or distributed in
15 their interests across the rest, but then the nature of the
16 model is such it actually -- because of the distributional
17 assumptions on the parameters in the demand relationship, when
18 you actually draw simulated consumers, they don't necessarily
19 look like that, but you start off with a hypothetical consumer
20 that only cares about one RSN, a hypothetical consumer that
21 only cares about two.

22 Q. Did you use any objective factors to determine whether I
23 fit in category one, category two or category three?

24 A. The -- within the data, the proportions of people who are
25 one, two and many are determined by the estimation procedure to

F3hglau4

Noll - cross

1 maximize the explanatory value of the three-way categorization.

2 Q. Let me give you a hypothetical. Assume, Dr. Noll, that I'm
3 a consumer that likes -- that I watch the Yankees and the
4 Rangers percent 90 of the time, I'm a group one consumer,
5 correct?

6 A. Well, I don't know whether you're a group one consumer, but
7 probably given that. I mean, it's not -- it's complicated
8 because the -- it's all of the -- it's all of the moments of
9 your viewing pattern that determine how we categorize you and
10 it's not susceptible to a simple thing like you just said. But
11 let's, for the sake of argument, say that you watched almost
12 all Yankees and occasionally watch something else, then most
13 likely you'd be classified as a single RSN customer.

14 Q. Okay. So, assume we made that -- I'm in group one, just
15 assume that, but, again, I'm that dedicated fan who also likes
16 to watch the rivals lose, star players, conference play and
17 other games, but I don't watch them for a lot of time. Are you
18 with me for that assumption? And assume, though, that I don't
19 watch them for a lot of time but I get a lot of value out of
20 it. I check in to see if those rivals are losing. I check in
21 on that star player, but it doesn't add up to a lot of time.

22 Do I have it right, Dr. Noll, that as a group one
23 consumer, those preferences for other teams are eliminated in
24 your model? They're zeroed out?

25 A. In the creation of simulated types, that's true. In the

F3hglau4

Noll - cross

1 actual data, they're not eliminated. What we're trying to do
2 is create some simulated consumers to limit the degree of
3 competition in the model, but even then, there's going to be --
4 because of the -- you're right if you focus only on means of
5 things in the distribution but because of the stochastic
6 component of the items that go in the utility function, some of
7 those simulated consumers are going to have value for the
8 bundle even though they have a zero weight on each of the time
9 viewing points.

10 And like your example, you may think of yourself as
11 buying the bundle rather than a single channel because you're
12 buying an option value that three times a year someone pitches
13 a no-hitter and you see -- you're watching the Yankees game and
14 it's 17-1, and it's not terribly interesting; and the announcer
15 says, oh, we notice that in St. Louis Wainwright is pitching a
16 no-hitter, and you have no interest in either St. Louis or the
17 team they're playing, but Wainwright is pitching a no-hitter,
18 so you switch to that channel, that has value to you, but it's
19 not measured in the time viewing of St. Louis, but it is part
20 of the logit error that appears inside the utility function.

21 That's how you get value from other things that are
22 not measured by viewing time.

23 Q. If I'm group one in your model where you have these three
24 groups, I'm only watching that team; I don't have other teams
25 in my group? Correct?

F3hglau4

Noll - cross

1 A. It says you have zero utility weight assigned whatever you
2 do --

3 Q. Fine.

4 A. -- there, but it's not the viewing time of the team that's
5 entering the utility function; it's something else that we're
6 just capturing by the logit error.

7 Q. It assigns zero utility to that, correct?

8 A. No. It assigns zero utility to the viewing time per se.
9 It's something else besides viewing time is generating your
10 utility.

11 Q. Dr. Noll, you had put up a chart where you said you tested
12 your three categories with the mean, for example. I want to
13 ask you, is it correct that you did not test whether your model
14 conforms to the actual observed data on the variety of RSNs
15 watched, correct?

16 A. I'm not sure I understand what the question is. Does it
17 replicate the distribution of viewing times across all the RSNs
18 from the simulated consumers?

19 Q. For the variety of RSNs watched; correct.

20 A. It wouldn't replicate it because the market in which
21 they're operating is one that has more choices, so it would be
22 an apples and oranges comparison. You wouldn't attempt -- you
23 wouldn't expect the distribution of viewing times when there
24 are 31 choices to be the same as when there's one choice.

25 Q. So you didn't test for it because you don't think it's

F3hglau4

Noll - cross

1 appropriate?

2 A. There are things you could do to test the validity of the
3 model, but that's not one of them.

4 Q. So you didn't do that. Did you test for -- to see whether
5 the actual observed data conformed to how many different RSNs
6 fans watch at any time, any amount of viewing for how many
7 different RSNs? Did you test for that to see if it matched the
8 observed data?

9 A. Once again, it's the same answer because they
10 have -- there's a different set of choices in the real world
11 versus the counterfactual world. There's no observations from
12 the counterfactual world on what the distribution of viewing
13 times would be. So there's nothing -- when you calculate the
14 distribution of viewing times in the counterfactual world,
15 there's nothing to compare it with in the real world.

16 Q. So you didn't test for it, and that's your explanation.
17 Correct?

18 A. That -- yes. There's no real-world data against which to
19 test it. Yes.

20 Q. Did you make sure you ran whatever tests C and Y ran on the
21 paper you relied on?

22 A. Well, you're going to have to be specific because I'm not
23 sure I understand. We do things like standard errors and fit
24 measures. I'm not sure what you're talking about.

25 Q. Let me be more specific. Are you aware that C and Y made

F3hglau4

Noll - cross

1 sure that their model matched how many channels consumers
2 watched at any given time?

3 A. Well, that's in the -- they test whether the model matches
4 the actual data, and that's what I was doing before. They do
5 in fact check whether it matches the actual data under the
6 conditions of the actual world.

7 They don't check whether the allocations of viewing
8 time among channels when you buy them on an *a la carte* basis
9 matches what you would actually do if you bought them on an *a*
10 *la carte* basis because there's no such data.

11 Q. I'm talking about the former. Did you run the same test
12 that C and Y did?

13 A. Did we run a test about the adequacy of predicting the data
14 from which it was estimated or no?

15 Q. That same test?

16 A. We didn't run their same test because it's not same model.
17 They don't have types of consumers. So there's no connection
18 between their model -- the test you would run on their model
19 and the test you'd run on our model.

20 Q. That's your answer.

21 Let's turn to the supply side. And I want to start
22 with some basic facts again of the actual world so we're all on
23 the same page. Let's start. You agree that you testified that
24 leagues are joint ventures, correct?

25 A. Leagues define themselves as joint ventures. They don't

F3hglau4

Noll - cross

1 have to be.

2 Q. But they are.

3 A. No, not all of them but these are, these two are.

4 Q. These two are. And you agree that leagues price the
5 out-of-market package in a way that takes into account the
6 relationship to the profitability of teams, correct?

7 A. Leagues try to make policy to engage in joint profit
8 maximization of their members. Some things they do are
9 efficiency enhancing, so that's a good thing. Some things they
10 do are anticompetitive, and that's a bad thing. But yes, they
11 do engage in behavior for the purpose of trying to increase the
12 profitability of their members.

13 Q. And they take into account the relationship of the
14 profitability of teams arising -- from other teams, correct?

15 A. Of course they do. That's -- that's to the extent allowed
16 to do so legally; yes.

17 Q. And you agree that with respect to the pricing of packages,
18 the leagues are pursuing long-arm product maximizing
19 objectives, correct?

20 A. I believe they probably are, yes, with some caveats having
21 to do with revenue sharing.

22 Q. And you agree that in the but-for world, the teams would
23 still not be independent competitors, correct?

24 A. I'm not sure I know what you mean by that. I mean, we're
25 trying to come as close as possible to creating a world in

F3hglau4

Noll - cross

1 which teams are independent competitors and the degree of
2 anticompetitive collusion among them is minimized.

3 Q. I understand. You're not getting rid of the joint venture.
4 They're still not completely independent competitors, even in
5 your but-for world, correct?

6 A. That's true, but it's not a legitimate purpose of the joint
7 venture to cartelize the industry in terms of the behavior of
8 the independent competitors.

9 THE COURT: In what ways are they a still joint
10 venture in your but-for world?

11 THE WITNESS: First of all, the simplest and most
12 obvious procompetitive case is they have common rules and a
13 common schedule and they produce a league champion. That's all
14 procompetitive and, in that sense, they're a joint venture.

15 Let's take another example. As we talked about
16 earlier, the NFL centralizing all television broadcasts and
17 selling them nationally to networks, they needed an antitrust
18 exemption called the Sports Broadcasting Act to do that. So,
19 they're still a joint venture, but that's something that is
20 implicitly anticompetitive in an antitrust convention.

21 Now, where the line is, where we draw the line is
22 where we have fights, and that's what's going on here, but
23 that's the principle behind this is the interesting thing about
24 sports leagues is there are things they do as joint ventures
25 that are procompetitive and things they do as joint ventures

F3hglau4

Noll - cross

1 that are anticompetitive.

2 Q. To be clear, your Bertrand model assumes, by definition,
3 that the competitors are completely independent, correct?

4 A. It assumes the individual teams price their nationwide live
5 games independently from the joint venture, pricing.

6 Q. And independently from each other?

7 A. Independently from each other and independently from the
8 joint venture being sold -- the model to have in your head is
9 somebody has appointed an independent nation to operate the
10 joint venture.

11 Q. As if the joint venture didn't exist, correct?

12 A. No. It still exists.

13 Q. No. I know it exists, but you're Bertrand model assumes
14 they're all independent competitors, correct?

15 THE COURT: I want to clarify that. They're
16 independent competitors when they're selling just their team
17 product directly, but when they're adding their team product to
18 the package, then they're working through the joint venture?

19 THE WITNESS: The assumption is that the joint venture
20 is operated as if it were an independent agent.

21 THE COURT: Of?

22 THE WITNESS: It's an independent entity that is
23 separate from the pricing decisions of the 30 --

24 THE COURT: Teams?

25 THE WITNESS: -- teams; yes.

F3hglau4

Noll - cross

1 THE COURT: I'm still a little confused.

2 When they want to sell their own product directly, not
3 through the package, they're all competitors, they all set
4 their own prices, they do what they want to do; but when
5 they're contributing their fee to the league package --

6 THE WITNESS: They don't coordinate. They don't
7 coordinate the pricing of their single team channel with the
8 pricing of the product. There's no coordination there.
9 There's no collaboration.

10 THE COURT: I'm not getting through the difference I'm
11 worried about.

12 They're making two products: One is their direct
13 product. They're selling their own network nationally; yes?

14 THE WITNESS: Yes.

15 THE COURT: That's one product. That's certainly
16 competitive. No cooperation. But they're also contributing
17 their fee to the bundle; when they do that activity, are they
18 still competing with each other or there, they're just willing
19 to go as a joint venture and act together, so to speak?

20 THE WITNESS: In a model of the Bertrand computation
21 model or other oligopoly models, everybody sets price in
22 anticipation of what somebody else is going to do. So in that
23 sense, they do anticipate the prices that other people are
24 going to charge, including the league bundle. But there isn't
25 this direct collaboration, let's all sit down at the table and

F3hglau4

Noll - cross

1 collectively decide what the league bundle is going to be and
2 what relationship it's going to have.

3 THE COURT: Do they charge anything to contribute
4 their fee to the league bundle?

5 THE WITNESS: They're paid a fee to have it in there,
6 which is the profit share. Again, we're back to the story,
7 there's lots of ways they can be paid. And the way they have
8 chosen to be paid is the equal share of the profits.

9 THE COURT: I see. They're not competing there.

10 THE WITNESS: Yes.

11 THE COURT: They're only going to get the same share
12 of the bundle?

13 THE WITNESS: Exactly.

14 THE COURT: That's what I was getting at. Thank you.

15 BY MR. KEYTE:

16 Q. Dr. Noll, in your first report, and perhaps your second
17 report, you said that you can have -- you can run a Bertrand
18 and essentially ignore the MVPDs because you said the Internet
19 took away any bargaining power from the MVPDs.

20 Do you recall that?

21 A. I said that one reason to believe this is a reasonable
22 model is because of the competition between the Internet and
23 MVPDs for the league bundle, yes.

24 Q. Is that still your opinion? We haven't seen it in a while.
25 Is that still your opinion?

F3hglau4

Noll - cross

1 A. Yes. My opinion is that this is one of the few places
2 where the Internet and MVP distribution become close
3 competitive substitutes. It's not true in general, the
4 Internet is a close competitive substitute to MVPDs, but in
5 this particular case because it's been going on so long, this
6 is the most advanced in terms of competitive substitutes.

7 Q. Okay. Now, you said that in your reports and I think on
8 your direct for some period of the class the Internet was not
9 in play. What period is that?

10 A. Again, you're dichotomizing. What I said is the
11 significance of the Internet has grown through time. And as we
12 observe the data through time, an increasing fraction of the
13 people who subscribe to a league-wide bundle are doing so over
14 the Internet.

15 In the year that I have data, as I recall, it was
16 around half for baseball and around 20 something percent, 25,
17 30 percent for the NHL, those fractions continue to grow. And
18 at the very beginning, of course, most people were subscribing
19 over MVPDs. The reason for that is the fraction of households
20 that actually have high-speed Internet access. We now live in
21 a world in which most people have it. At the beginning of the
22 period when the leagues began to offer their bundles at the
23 beginning of the class period, a much lower fraction of the
24 households had it. So for a much smaller fraction of the
25 population was this a reasonable substitute.

F3hglau4

Noll - cross

1 Q. You agree that an Internet offer can be what's called a
2 complement rather than a substitute in a sense that it
3 supplements your viewing? I still want my TV, but I also want
4 to be able to log on on-the-go whenever I want to watch it on a
5 device on the Internet; you agree that they can be complements,
6 not substitutes, correct?

7 A. There's an element in which it's additive and the leagues
8 would like it restricted to that; and for certainly the MVPDs
9 would like to restrict it to that, but what you're really
10 saying is there's a qualitative difference between the Internet
11 and the MVPD.

12 One of the advantages of the Internet is the ability
13 to receive it on a mobile device and have mobility, but
14 that's -- now we're back into the world of product
15 differentiation. It's not substitute versus complement. It's
16 product attributes that some people will value and others will
17 not and that affect the extent of competition between them.

18 Q. Dr. Noll, as an economist, you talked about you used data,
19 correct, you were looking for data to do economic analysis?
20 Correct?

21 A. You're always looking for data; yes.

22 Q. Isn't it a fact that you did no cross-elasticity analysis
23 between the Internet and MVPDs?

24 A. Yes. You can't. There's not enough data qua.

25 Q. You don't have any? You did no analysis?

F3hglau4

Noll - cross

1 THE COURT: He said he doesn't have enough data.

2 THE WITNESS: No data. Yes, you started it off with
3 data and I said, well, the question presumes the existence of
4 the data that we don't have.

5 Q. Dr. Noll, in your model, you do no quantitative analysis at
6 all of any but-for world competition between the Internet and
7 the MVPDs. Is that correct?

8 A. That's right. And I can hardly wait to get the data so I
9 can do it. That's one of the -- I'm just anxiously awaiting on
10 the data so I can do it.

11 Q. You didn't do it?

12 A. I haven't done it yet. Get me the data.

13 Q. Let's talk about this favorite topic,
14 double-marginalization. And I first want to be clear, RSNs and
15 MVPs now contract on a pay-per-subscriber basis, correct, in
16 the current world?

17 A. For placement --

18 Q. RSNs and MVPDs?

19 A. For placement on extended basic, yes. Yes, it's a per
20 subscriber for placement on extended basic. That's how most of
21 the contracts are that require the tier that has 80- to 85
22 percent of the subscribers.

23 Q. You said that involves double-marginalization, but you
24 think the incentives will change in your but-for world?

25 A. No, that's not what I said.

F3hglau4

Noll - cross

1 Q. You don't think the incentives won't change?

2 A. The incentives change. What I didn't say is what you
3 characterized me saying about double-marginalization. You got
4 it exactly wrong, by the way.

5 Q. Thank you. Thank you very much.

6 You would agree that this will -- in the but-for
7 world, this relationship between RSNs and MVPDs will require a
8 change in their contracting practices, correct?

9 A. As argued in my reports and as argued in the opening
10 remarks by the defendants, I believe that the single-most
11 important change that will result from eliminating territorial
12 restrictions is a reduction in prices and fees for local live
13 team broadcast rights; yes.

14 Q. Well, you also think there will be contracting changes to
15 eliminate double-marginalization, correct, between the RSNs and
16 the MVPDs?

17 A. There will be contractual changes, but not in the local
18 market contract. What I'm talking about is what the contracts
19 would look like for national distribution avoiding
20 double-marginalization. They may -- it may require changes in
21 contracts or it may not, because it depends on the degree to
22 which the channel that carries the live game telecast of a team
23 has substantial market power. If they don't have any monopoly
24 power, there's no double-marginalization to worry about.

25 Q. Understood. So, you're projecting a new negotiation that

F3hglau4

Noll - cross

1 will take place when the RSNs can go nationally?

2 A. I'm not assuming the RSNs go nationally. The teams own the
3 right to the broadcast, so they can do it themselves and on the
4 Internet, they may well do it themselves. The broadcast is not
5 owned by the RSN; it's distributed by the RSN. So the teams
6 can either use the RSN or do it themselves.

7 Q. In this, whether it's the teams or the RSNs, when they go
8 nationally, there will be a negotiation over how the RSNs will
9 pay the MVPDs, correct?

10 A. There will be -- there will be a negotiation over the
11 terms, and it's not just the price, the terms under which these
12 things are carried.

13 Q. And you think -- you have testified that you believe that
14 they would have an interest in doing some form of fixed fee --
15 I think you had a list -- of some form of contracts that would
16 eliminate double-marginalization, correct?

17 A. (a), they haven't -- both sides through negotiation have an
18 incentive to avoid double-marginalization, and (b), in parallel
19 circumstances in the real world, they do adopt those contract
20 margins.

21 Q. And one of those involve resale price, controlling in some
22 fashion the resale price, correct?

23 A. Yes. That's correct.

24 Q. Did you agree -- do you think the MVPDs -- I'm sorry -- the
25 RSNs would set the resale price?

F3hglau4

Noll - cross

1 A. They would have a negotiation process just like the NHL
2 currently has for its bundle where the wholesale price and the
3 retail price are negotiated as part of the same agreement.

4 Q. By the way, in ones that -- the contracts you looked at
5 that have a resale price discussion, are they setting the
6 minimum resale price or the maximum resale price?

7 A. They're -- it's called the manufacturer's suggested retail
8 price. That's what it is. And what it says is there will be a
9 collaboration, a collective collaboration, a collaborative
10 decision about what the retail price would be; and one of them
11 says 'Here's a suggested price.' And the other one says 'And
12 one of the things to take into account is the Internet price.'

13 Q. Okay. But just to be clear, Dr. Noll, in this negotiation
14 that would have to happen in your but-for world, you have not
15 modeled any of those negotiations, correct?

16 A. I don't have to once I know that it's not going to
17 affect -- it's not going to cause double-marginalization.

18 Q. I'm just asking you if you modeled?

19 A. I modeled -- I have a conceptual model of how it works. I
20 have explained why it doesn't matter, and that all involves the
21 use of economics and modeling. But it's not part of the model
22 for estimating the retail price because it's unnecessary in the
23 model to estimate the retail price.

24 Q. There's going to be a negotiation and a bargain struck and
25 you did not model that, correct?

F3hglau4

Noll - cross

1 A. I did not model what the negotiation deal would be, which
2 of the many contract forms that avoid double-marginalization
3 they will adopt.

4 Q. In fact, Dr. Noll, in this entire supply chain in your
5 but-for world, there's going to be many negotiations, aren't
6 there?

7 A. In principle, there could be many, just sort of like, you
8 know, these RSNs are already carried nationally anyway. All
9 those negotiations are already there. They already take place
10 for the RSNs that are distributed nationally with the games
11 blacked out.

12 Q. Oh, you don't think the world changes enough where they're
13 going to actually reset their relationships?

14 A. Of course they're going to renegotiate. Next time they
15 negotiate the contracts, it will be with the games not blocked
16 out, or if that's way baseball and hockey decide to do it.

17 Q. And my only point, sir, is you did not model any of
18 negotiations in the entire supply chain; is that correct?

19 A. I did not model it in the context of setting a retail price
20 because it's unnecessary; no.

21 Q. And another thing you did not model in your but-for world
22 was any kind, any kind of joint pricing by any participants in
23 the industry, correct?

24 A. I did not measure -- I did not -- well, it's not quite
25 true.

F3hglau4

Noll - cross

1 Q. Multiproduct pricing, you didn't model any multiproduct
2 pricing of anybody in the but-for world, correct?

3 A. Why don't you define for me what you mean by multiproduct
4 pricing because the league bundles are, in fact, multiproduct.

5 Q. Let me use one example. You would agree that an RSN in
6 your but-for world is going to offer an MVPD product and an
7 Internet product, correct, whether it's an RSN or a team?

8 A. They might. Yes, the team will arrange to have both an
9 Internet product and an MVPD product. And, no, I did not model
10 the simultaneity of the price-setting of those two things
11 because of the reason I gave before and you talked about, which
12 is the inability to model the competition between Internet and
13 MVPDs with the data that I have.

14 Q. So there will be multiproduct pricing and you didn't model
15 it, correct?

16 A. Well, the degree to which there's competitive substitution
17 between the Internet and the MVPD is already baked into the
18 current prices. So when you use the current penetration market
19 share and pricing data, that is already in there, that you're
20 essentially measuring the product-specific elasticity and
21 demand, and that demand curve has got this relationship built
22 into it. It's not that it doesn't influence it. It's just not
23 modeled directly. And it would be better to model it directly.
24 And I would like to model it directly if I could get the data.

25 Q. Let me just sum up on this topic: To the extent in the

F3hglau4

Noll - cross

1 but-for world there will be multiproduct pricing by anyone, you
2 did not model it, correct?

3 A. Except in the case of the league bundle, which is a
4 multiproduct product.

5 Q. But the other ones you did not bundle, correct -- I mean,
6 you did not model, correct?

7 A. I did not model Internet and MVPD as a joint pricing
8 problem, yes, but that's the only thing I didn't model that I
9 can think of.

10 Q. Or MVPDs when they have a multiproducts in the but-for
11 world?

12 A. I did not -- well, no. MVPDs?

13 Q. Yes. They'll have -- they'll be dealing with individual
14 standalone packages and packages and all their other products.
15 You did not -- those are multiproducts. You did not model
16 that, correct?

17 A. I'm assuming those are independently set by virtue of the
18 contractual relationship between the team and the MVPD.

19 Q. You did not model that, though, correct?

20 A. Well, I modeled it under my set of assumptions about how
21 the modeling should go given the relationships between the team
22 and the MVPD.

23 Q. Your model has no multiproduct pricing by an MVPD for its
24 products or an RSN for an Internet MVPD product, correct?

25 A. It does not do that because it's assumed to be irrelevant

F3hglau4

Noll - cross

1 for the reasons I gave.

2 Q. And you don't have the data you say?

3 A. No. That's a different -- what I don't have the data for
4 is the trade-off between the Internet and the MVPD. The answer
5 to the Internet versus MVPD question is different than the
6 answer to DirecTV offering multiple products.

7 Q. My point is simple: Both of them you didn't model?

8 A. For completely different reasons: One of them, no data;
9 the other unnecessary because of the nature of the
10 relationship.

11 Q. Thank you, Doctor.

12 MS. WILKINSON: I'm going to conduct the second hour
13 of cross-examination. I assume we're not going to take a
14 break.

15 THE COURT: Not yet. We will take a break, but not
16 yet.

17 MS. WILKINSON: Thank you.

18 CROSS-EXAMINATION

19 BY MS. WILKINSON:

20 Q. Good afternoon, Dr. Noll.

21 A. Good afternoon.

22 Q. If we can start with just the basics. Today here in New
23 York, a consumer can view every single baseball game that's
24 played in America, isn't that right, a professional baseball
25 game played in the Major League Baseball league, right?

F3hglau4

Noll - cross

1 A. By some combination of purchases of YES and the Mets and
2 the league package.

3 Q. So they're all available?

4 A. That's right.

5 Q. That statement is also true for hockey, for the 1200 hockey
6 games that are played in the United States in professional
7 hockey, all of those games are available to consumers in New
8 York?

9 A. I answered too quickly. It's almost all. It's not all,
10 all right? There are some examples of games that are available
11 only over the air that are not included, all right, but for the
12 most part, you're right that both -- in both baseball and
13 hockey to the first order of population, you can buy access to
14 everything to the combination of a league package plus all the
15 regional sports networks that carry local teams.

16 Q. Let's make it clear so we understand what is available in
17 the real world and then what you're saying is different in the
18 but-for world, so we need to start with what's available in the
19 real world.

20 Here in New York, if you want to watch the Yankees,
21 right, you get -- your YES network is available on your basic
22 cable package; right?

23 A. Yes.

24 (Continued on next page)

25

F3H7LAU5

Noll - cross

1 Q. And you can watch other Yankees games on other stations
2 that are also on your cable package, right?

3 A. You can watch national televised Yankee games on national
4 --

5 Q. So, some Yankees games are put on national TV through ESPN,
6 or Fox, or the play-offs by Turner, right?

7 A. There are national broadcasts of Yankee games, yes.

8 Q. So, if someone has -- to your discussion with your Honor
9 earlier -- if someone has already purchased their cable package
10 and they purchased their basic cable package, whatever they
11 paid for it, once they have those costs, when they turn on
12 their television here in New York they can get access to all of
13 those channels and see all of those Yankees games.

14 A. Yes, they can.

15 Q. And not only the Yankees games, but they can see all of the
16 other games if they're willing to purchase the package.

17 A. Well, that is the part that isn't quite true because not
18 everybody puts all of their games on their regional sports
19 network. I think the commissioner of baseball testified that
20 it was 151 out of 162 is the league-wide average. So, it's not
21 true. That's what I said earlier, it's not true you can get
22 all games, but you can get almost all.

23 Q. Fair enough. So, all of those that are broadcast anywhere,
24 you can get in New York.

25 A. Well, all of those that are broadcast except for the fact

F3H7LAU5

Noll - cross

1 that a couple of over-the-air deals don't make it, but aside
2 from that, yes.

3 Q. And that's about 2400 games minus the 151 you talked about?

4 A. If you say so. I don't know.

5 Q. And the national games that are free over the air, are
6 available in that same cable package, regardless of whether
7 they are Yankees games. I am just trying to make it clear so
8 her Honor understands what's available. I'm just guessing she
9 may not turn on the television and watch sports all the time,
10 but she could turn on the television, and if Fox is showing a
11 game, and they are the sole distributor of that game, you just
12 turn on your cable television, and you can watch that game here
13 in New York, right?

14 A. You can watch every game that's televised on the cable
15 systems or the satellite systems that serve New York City.

16 Q. So, when you say in a "but for" world you are trying to
17 increase output for people, what you are really saying is when
18 you buy the package you just want it unbundled, you want
19 consumers to be able to buy if they want to only that team that
20 they want to watch if they're out-of-market.

21 A. It's a non sequitur, the two parts to your question. The
22 increase in output is not the unbundling. The increase in
23 output is the increase in the number of viewers and the amount
24 of time they spend watching out-of-market games. That's the
25 increase in output.

F3H7LAU5

Noll - cross

1 Q. Let's use real teams and real cities so we can understand.
2 Down in Tampa today you can watch all of the Yankees games --
3 unless they're playing the Tampa Rays -- right, down in Tampa
4 Bay if you buy the package, can't you?

5 A. I assume so. I mean I do not know as a fact there has
6 never been a Yankees game that wasn't televised over the YES
7 Network, but, yes, you can get access through the league bundle
8 to the YES Network and get whatever games are on the Yankee
9 network.

10 Q. And then in your "but for" world those are going to be
11 unbundled, as well as there will be the bundled, so someone who
12 just wants to watch the Yankees game can watch those same
13 Yankees games by buying the YES Network in Tampa, right?

14 A. That's correct.

15 Q. But will they be able to buy and see over that stand-alone
16 the games that are normally blacked out because they're shown
17 on the Rays' local station?

18 A. In other words, will the games between the Yankees and the
19 Rays be on both channels?

20 Q. Correct.

21 A. The way we do the modeling assumption -- because it's done
22 by RSN -- is, yeah, you can watch the game on either channel.

23 Q. So let's use this chart so we understand what blackouts you
24 have modeled and what you haven't. You have a fan who lives in
25 Tampa and he or she is a Yankees fan, OK?

F3H7LAU5

Noll - cross

1 A. Yes.

2 Q. The Yankees are playing the Rays, and in your "but for"
3 world the Rays' feed is in the package or not?

4 A. Yeah, we impose a zero viewing constraint on the Rays' RSN
5 within the bundle but not on the Yankees.

6 Q. Dr. Noll, just really honestly we're trying to figure out
7 yes or no. You can explain how you do it in the model, but we
8 really don't understand which games the fan can see. So if
9 they're in the "but for" world, they buy the package, will they
10 be able to see the Rays' feed of this Yankee Rays game in
11 Tampa?

12 A. Whether the Rays feed is on it, it's not modeled, but we
13 have assumed that it's not. And whether the Yankees feed is on
14 it, we have assumed that it is.

15 Q. OK. So if we check these boxes, your assumptions then are
16 the Rays would be blocked out of the "but for" world package
17 but the Yankees would not.

18 A. That's correct.

19 Q. So, there is no more game exclusivity, as they call it,
20 down in Tampa because you now can watch the Tampa game against
21 the Yankees through two different exact same game through two
22 different networks, right?

23 A. That's right.

24 Q. And that doesn't happen today in the current world, right?

25 A. Well, it happens when there are two teams in the same

F3H7LAU5

Noll - cross

1 market.

2 Q. But that's a different -- we are talking about
3 out-of-market and one in-market, right?

4 A. Well, that wasn't the way you asked the question.

5 Q. I apologize.

6 A. OK. If one is in-market and one is out-of-market, one of
7 the things that's blacked out from the league package is the
8 visiting team's RSN within that local market.

9 Q. So, if you consider the game the content -- are you with
10 me? Just consider that for now, the game is the content.

11 A. I do in the consider the game to be the only content. It's
12 also the way the game is produced, and the announcers, and all
13 the other stuff that goes with it.

14 Q. Understood, but I'm asking you for purposes of this first
15 question to assume the game is the content. OK?

16 A. The game is part of the content.

17 THE COURT: She is saying it's an assumption. Just
18 assume for the moment that the game is the content. OK?

19 Q. Now there are two sources of the exact same content in
20 Tampa in their home market, right?

21 A. If there are two sources of the game, and that's the only
22 content, then there are two sources of the same content.

23 Q. And the difference in the content is that the Rays' network
24 will show their production and their announcers, and the
25 Yankees will show their announcers and their production, right?

F3H7LAU5

Noll - cross

1 A. That's correct.

2 Q. But it's the exact same game. I'm going to see the same
3 guy either strike out or hit a home run, right?

4 A. That's correct.

5 Q. So, that is not true content exclusivity anymore in the
6 home market, is it?

7 A. I believe it is still content exclusivity, because contrary
8 to the assumption you made me make, the production and the
9 announcers are part of the content, and people have preferences
10 across them, and so fans of the Dodgers are not going to watch
11 the Giants announcers, they are going to watch the Dodgers
12 announcers.

13 Q. We will get to that. So, I think you have already answered
14 this. The blackouts for the stand-alones, the Yankees network
15 will be able to show the Rays game on their stand-alone down in
16 Tampa, right? It's their feed, so this will be the other game.

17 A. Yes, the Yankee network will be available in Tampa without
18 the Yankee Tampa game blacked out.

19 Q. So, if you are kind of living in Tampa and you're a fan but
20 also like the Yankees, now you are going to have the chance to
21 buy the Yankees and see all of the Yankees/Tampa games by just
22 buying the Yankees network, right?

23 A. Yes, you will be able to watch the games, the Yankees and
24 the Buccaneers play against each other on the Yankee network if
25 you choose to buy it.

F3H7LAU5

Noll - cross

1 Q. And, therefore, you might be less interested in subscribing
2 to your cable package because if you kind of like the
3 Yankees -- you like the Yankees more and you like to see them
4 play Tampa -- you no longer need the package. Let's say you go
5 to the Internet for the stand-alone, right?

6 A. In principle, that could be a substitution to the Internet
7 away from MVPDs if the Internet contains products that are
8 superior substitutes with a lower price than the MVPD.

9 Q. And you believe that's going to happen because you believe
10 that there is going to be a significant reduction in the
11 in-market revenues when this happens, right?

12 A. That's correct.

13 Q. And that's what that means, that some people instead of
14 paying for their cable package to watch the Rays on their basic
15 cable are going to move, or at least the MVPD is going to be
16 unwilling to pay the same subscriber fee to either the team or
17 the RSN, and so that's going to cause the in-market revenues to
18 go down.

19 A. The in-market revenues of the team, yes. It won't
20 necessarily -- there will be a price effect all away the long
21 the line, MVPD prices, the team rights fees prices, everything,
22 all of these prices will change.

23 Q. So, I just want to clarify something you wrote in your
24 report. I hope you can explain to us how it's consistent with
25 what you just told us. Can you show slide -- I can do this --

F3H7LAU5

Noll - cross

1 In your report you actually said that your analysis
2 assumes that the RSN would enjoy the same content exclusivity
3 in the counterfactual world because they would be the only
4 source of in-market live telecast of the games involving the
5 team for which they have acquired exclusive television rights.

6 A. Yes, they will be the only one that is that team's
7 broadcaster. That's what I meant by that.

8 Q. But you said live telecasts of the game.

9 A. That's what I -- I was adopting a different definition of
10 content than you are. Yes, it's the only entity that has the
11 right to be that team's regular broadcaster with the advantages
12 of regular scheduling and the advantage of the consistent
13 broadcaster. So content to me means more than just the game
14 itself, it also means all the other things that go with being
15 the team's broadcaster.

16 And if you want to describe what the model itself
17 does, the model itself is based upon RSN viewing the sectional
18 model on the last report. That was the change from going from
19 team times, and what that buys you is the ability to model
20 RSN-specific demand. And the reality is whether you include
21 the blacked-out games or not doesn't matter very much in the
22 estimation, so if we went through and changed that definition
23 and reestimated it, it wouldn't matter very much. So, this
24 assumption doesn't really matter.

25 Q. I'm not sure I follow you. What doesn't matter very much?

F3H7LAU5

Noll - cross

1 A. It turns out that suppose you adopt the view that the
2 Yankees network had to black out the games it played against
3 Tampa in Tampa. It turns out that doesn't matter very much in
4 terms of demand for the Yankees, because for the precise reason
5 you just said, people already have access to the game on the
6 MVPD. But just like --

7 Q. Did you model that?

8 A. We noticed -- we changed the definition of blackouts when
9 we went from basing the estimation on team viewing times to
10 basing the estimation on RSN viewing times, and explicitly
11 adding blackouts.

12 It turns out that last step of instead of having
13 blackouts be implicit in the viewing time data, being explicit
14 in the model, that didn't change the estimated price very much,
15 just pennies. So, it turns out that the way you define
16 blackouts, and whether you black out the Tampa/Yankees games in
17 Tampa that are on the YES Network, if you apply that to the
18 whole data set, it won't affect the results by any significant
19 amount.

20 Q. You did not model what you just said. You did not model
21 blocking out the Yankees feed of the Tampa game in Tampa. You
22 didn't model the in-market blackouts.

23 A. The model that's reported in the report did not do that.

24 Q. Right.

25 A. But I'm just telling you that we know from the previous

F3H7LAU5

Noll - cross

1 change in model that more explicitly taking into account
2 blackouts in a much more important way had no effect on the
3 estimates. It wasn't an important source of value, for the
4 reason that's the premise of your question, which is the game
5 is already there.

6 Q. Dr. Noll, we are really trying to show the court what you
7 did model and what you didn't. OK? You're saying I know
8 because I have looked at these things. But you did not
9 model -- because you don't have all that data. Wouldn't you
10 have to model every game changes depending on what game is
11 being shown and where they are? You did not model the Yankees
12 blacking out their feed to the Tampa game to see what happens,
13 did you?

14 A. But I did go from blackouts being implicit in the viewing
15 times to explicit by taking them out, and it didn't matter.

16 Q. You didn't go --

17 A. So I know --

18 Q. You didn't model all the blackouts. You only modeled some
19 blackouts.

20 A. But a very large fraction of all the blackouts were
21 modeled. Almost all of them were included in the first step,
22 so adding a few more isn't going to change it.

23 Q. You modeled the package blackouts, didn't you?

24 A. I modeled the package blackouts, but they are also in the
25 stand-alone team estimates as well, because they're blacked out

F3H7LAU5

Noll - cross

1 in certain areas. Each RSN is blacked out in certain areas,
2 certain DMA.

3 Q. Let's move on to the demand you simulated and the
4 preferences that you simulated. I think you tried to explain
5 to her Honor that you actually simulated how those 12.7 million
6 people or potential customers, minus the people already buying
7 the out-of market product, what category of preference they
8 would go in, the one team, the two team or the multi-team,
9 right?

10 A. Well, it wasn't 12.7 million. It was 720,000 for baseball
11 and 460,000 for the NHL. So it's not the entire population
12 that's simulated in the sample.

13 Q. But you took your data set from those 12.7 million people
14 to simulate, right?

15 A. No.

16 Q. It had nothing to do with it?

17 A. No. The data that gave rise to the simulation is the
18 actual viewing time data in the league-wide package, which is,
19 you know, three and a half percent of that 12 million.

20 Q. Right. But you then simulated the rest of those people,
21 the 600,000 plus?

22 A. Depends on the sport. 720,000 for MLB, 460,000 for the
23 NHL.

24 Q. So, let's stick with MLB for a moment. The 720,000
25 subscribers or potential purchasers -- because many don't

F3H7LAU5

Noll - cross

1 purchase, isn't that right --

2 A. Yeah, these are --

3 Q. -- in your model?

4 A. Yeah, these are people who are in the set that at some
5 price they would subscribe. But as in the previous line of
6 questioning, going all the way to zero, but this is trying to
7 trace out the entire --

8 Q. So, out of the 720,000, you don't know whether they are a
9 single, a two team fan or a multi-team fan. You simulated that
10 and predicted it, as you were explaining to the judge, right?

11 A. No, the simulation is a simulation of these preferences was
12 then imposing on these types that have been estimated from the
13 actual data.

14 Q. And you would hope that most single team fans, if the
15 single team stand-alone was cheaper, would purchase the
16 stand-alone and not the package, right?

17 A. I'm sorry.

18 Q. Wouldn't you think from a common sense standpoint if
19 someone is a single team fan, right, and a single team is
20 cheaper in your model than a bundle, they should purchase the
21 single team stand-alone?

22 A. On average, yes, but not universally, no. There is no
23 reason to believe that. It's not in the structure of the
24 model. The model does not require that at all.

25 Q. You actually did, because you made the utility either --

F3H7LAU5

Noll - cross

1 the single team fan the utility was for the one team and no
2 utility for anything else.

3 A. But that's not the only -- there is no utility on the time
4 spent viewing that team, but there is other forms of utility
5 from the bundle that are in the preference function and that
6 arise from two sources. One is the valuation of the bundle in
7 general, and the other is the logit error, which is the random
8 component value. So, those things produce demand to do other
9 things than just watch one channel.

10 Q. You have an error in your model, right?

11 A. Yeah, it's called a logit error. It's not a mistake; it's
12 a component of the utility that has a statistical distribution
13 that is in economics called an error term.

14 Q. Right. And it's because you assign utility to these
15 different teams. The single team fan in your model says I have
16 utility for one team, and I don't have utility for two or for
17 the bundle, right?

18 A. No, it's that I don't have utility that is captured by the
19 amount of time I spend viewing it.

20 Q. OK, that's -- assume that's what we are talking about.

21 A. But it doesn't mean you have zero utility from having
22 access to that team. It means that the way that utility creeps
23 into the analysis is not through viewing time.

24 Q. Well, it only creeps in through the error. You can't point
25 to anywhere else you measured it.

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Noll - cross

1 A. Well, it also creeps in through the Landa value that is
2 subscribed to the bundle.

3 Q. We will get to, if you can tell us how much of an effect it
4 has. The two team fan has a utility for two teams and nothing
5 for the bundle, right?

6 A. Well, it's not correct to say you have zero utility for the
7 bundle, because the time spent viewing the other team is not
8 the source of the utility. All right? That's where the
9 mistake is coming. Yes, the weight on time spent viewing that
10 team is zero, but that doesn't mean that the bundle itself has
11 zero utility beyond just the Yankees.

12 Q. And the same thing applies for the multi-team fan, right?

13 A. The same thing applies to them, yes.

14 Q. And you would think if your model was correct that the
15 person who is the single team fan should be more likely to
16 purchase a single RSN than the multi-team fan, right?

17 A. No, not necessarily.

18 Q. No relationship?

19 A. There is a complex relationship, and there are things
20 pushing it one way and things pushing it the other, and what
21 they do is a consequence of the net effect of those two things.

22 THE COURT: I don't understand your answer. All she
23 said is wouldn't you think that the single team fan would
24 prefer the stand-alone to the bundle. And you said no. And I
25 can't understand why no. They only like one team, and the

F3H7LAU5

Noll - cross

1 price is probably less for the single stand-alone than for the
2 whole bundle. Why wouldn't they buy the stand-alone, or more
3 likely than not?

4 THE WITNESS: Because there are other things besides
5 teams. Think of it as buying an option. It's the point I made
6 before, that when you subscribe to the bundle -- remember,
7 these things are all based on relative amounts of viewing
8 times. Suppose you are a person who watches a lot of baseball.

9 THE COURT: OK.

10 THE WITNESS: And mostly you care about the Yankees.

11 THE COURT: Right.

12 THE WITNESS: But you are also a baseball fan who
13 cares about specific events like somebody is playing in the
14 game and they are about to hit their 70th home run, or somebody
15 is pitching a no hitter.

16 THE COURT: But you are assuming there is no single
17 team fan, there is no such thing really.

18 THE WITNESS: Single team fan means the utility of
19 viewing a particular game is partly captured by how much time
20 you spend watching it, but then there are other things that
21 give value, and those are the other things that would cause a
22 single team fan with very intense preference for the sport to
23 pay more to get access to all of these other things.

24 THE COURT: I can see that might happen for one or
25 five of a hundred single team fans, but all she asked you is

F3H7LAU5

Noll - cross

1 isn't it more likely that any particular single team fan would
2 prefer the stand-alone assuming that it's cheaper than the
3 bundle.

4 THE WITNESS: There is no natural answer to that
5 question, because what the proportion is is a function of the
6 relative prices. The bigger the price difference gets, the
7 more people will pick, you know, the one rather than the other.
8 So, you can't answer the question in the abstract.

9 THE COURT: Well, fair enough. If the price were the
10 same for the stand-alone than the bundle, why wouldn't you pick
11 the bundle? You could watch more sports. But if there is a
12 price difference and you only like one team, wouldn't you be
13 more likely to pick the stand-alone which is also cheaper?

14 THE WITNESS: And on average you would think yes. But
15 that doesn't mean that there wouldn't be a lot that would pick
16 the bundle.

17 THE COURT: Fine, but on the average the answer is
18 yes.

19 THE WITNESS: But, you see, that's the problem is when
20 you have heterogeneity of consumers you can have a very large
21 fraction who will go for the higher priced thing even though
22 they spend 90 percent or 95 percent of their time watching
23 their favorite team. They would still -- they wouldn't
24 necessarily buy a single other team's feed.

25 THE COURT: But how do you know that other than your

F3H7LAU5

Noll - cross

1 common sense and instinct? In other words, how does your
2 science --

3 THE WITNESS: That is the explanation for why we have
4 components to demand that respond to sources of value other
5 than the viewing time. That's why the model has these other
6 parameters in it, and why it has this random distribution of
7 the utility, why you consider it a random variable, to give it
8 a shock that isn't measured by what is already in there.
9 That's why you do the model this way, so you can capture
10 differences in behavior among people that are not solely
11 explained by viewing time.

12 Q. Let's see if we can look at what your data actually shows.
13 You are familiar with Dr. Ordover's supplemental report, his
14 second supplemental report?

15 A. Yes, sort of. I mean it came out so late, I haven't had
16 time to study it carefully.

17 Q. Did you not review it before you came to court?

18 A. I have read it, and I have thought about it, but I
19 certainly don't have it from memory, because I haven't had it
20 very long.

21 MS. WILKINSON: Your Honor, may I hand up a copy?

22 THE COURT: Sure.

23 MS. WILKINSON: Would the court like one?

24 THE COURT: Sure.

25 MS. WILKINSON: It's Joint Exhibit 7.

F3H7LAU5

Noll - cross

1 Q. Dr. Ordover took, as you see down here on Exhibit 4A -- do
2 you see Exhibit 4A?

3 A. Not yet. OK, I found it.

4 Q. And you see his note down here, Dr. Ordover says he took
5 your reported market shares, right? These are based on the
6 purchases for each subscriber that you predicted in your third
7 model, right?

8 A. I see what the table is, yes.

9 Q. OK. You don't have any disagreement with the numbers he is
10 reporting here, right?

11 A. I haven't authenticated whether the numbers are right or
12 not right, so I'm not going to testify they're either right or
13 wrong. I don't think he intentionally did anything wrong.
14 These are probably correct, but I can't testify that they're
15 correct.

16 Q. But this is a different issue. Did you not check before
17 you came to court to see whether Dr. Ordover calculated --
18 based on your subscriber data that was an output of your
19 model -- that these market shares are correct or incorrect?

20 A. I personally haven't, because I didn't have time to do
21 this. I think others have checked it.

22 Q. Did anyone tell you it was wrong?

23 A. No. As I said, I have no reason to believe it's wrong, but
24 I think it's not me that should testify as to its accuracy.

25 Q. Dr. Ordover -- I just have a separate questions whether you

F3H7LAU5

Noll - cross

1 checked.

2 THE COURT: He already answered. He didn't personally
3 check.

4 Q. Look down on the one RSN and go down to where it says total
5 share 11.66. Do you see that?

6 A. Yes.

7 Q. That means out of the hundred percent of one RSN potential
8 customers, only 11.66 made a purchase in your model, right?

9 A. That's right.

10 Q. And of those people, 32 percent -- even though they are a
11 one team RSN -- purchased the bundle. Do you see the next
12 number down, bundle share?

13 A. Bundle share, 3.79. Is that what you are looking at?

14 Q. Yes.

15 A. Where are you?

16 THE COURT: 32.5.

17 A. 32.5.

18 Q. That's under the one RSN. So while these people only liked
19 one team, a third of them bought the bundle.

20 A. That's correct.

21 Q. Right? And that means if you do the math out of a hundred
22 percent, right, only 68 percent bought the single team, right?

23 A. That's correct.

24 Q. Now we were talking about the general trend. One would
25 think that generally the more teams that you favor, the more

F3H7LAU5

Noll - cross

1 likely you are to buy the bundle, right?

2 A. No.

3 Q. And you say that sounds right, no, but we're wrong.

4 A. No, your intuition is not correct.

5 Q. And even though that seems to make sense to us, your model
6 certainly shows the opposite, doesn't it? Because if you look
7 down at the two team RSN, instead of those people being more
8 likely to purchase the package, they're even less likely to
9 purchase the package.

10 A. That's correct.

11 Q. So your data shows that if you are a two team fan, 81
12 percent of those people buy the stand-alone, which is cheaper,
13 right, than the package even in your "but for" world, right?

14 A. Substantially cheaper.

15 Q. 50 percent cheaper?

16 A. It's substantially cheaper. The stand-alone channels are
17 like 40 percent of the bundle price, something like that.

18 Q. So up here when the single team fan -- go back up there --
19 could get what they want -- which is one team -- and they could
20 get it for 50 percent less, still 30 percent of them buy the
21 bundle, right?

22 A. Well --

23 Q. Just yes or no, that's true or not?

24 A. You said that's what they want. Because that isn't what
25 they want. You are wrong when you characterize it as that's

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Noll - cross

1 what they want. That's not necessarily what they want.

2 Q. Well, you haven't added any data to the model to be able to
3 help determine what they want. You have an error, but you
4 don't have any additional data on their preferences that you
5 put into this model, do you?

6 A. It's not an error in the sense of mistake; it's a source of
7 demand that's unrelated to viewing time.

8 Q. I didn't say that. Let's answer the first question. You
9 do not have, nor did you put into your model, any additional
10 data about their preferences, did you?

11 A. There is no additional information about their preferences
12 other than the logit error that measures the departure of the
13 utility from the expected value.

14 Q. So when you spent five minutes telling her Honor that all
15 of these different things could happen, that's what you think.
16 You have no data in your model that suggests that's why these
17 people who are single team fans would actually purchase the
18 bundle, do you?

19 A. I know that the reason the results come out this way are
20 because of other components of utility besides the weight on
21 the time. But I don't know what those stand for in any
22 particular case of any particular consumer.

23 Q. So, you can't tell us why 32 percent of the single team
24 fans are buying a league package, or at least you can't tell us
25 in a way that Dr. Ordover could go check, right?

F3H7LAU5

Noll - cross

1 A. Well, no, he knows why. It's because this component of the
2 utility that is unrelated to time but that generates utility
3 from the game, for those people it's relatively high compared
4 to other people in the sample.

5 THE COURT: Wait a minute. So, I understand
6 everything you say about the single team fan, why one third of
7 them would prefer the bundle. I understand that, because there
8 are factors other than just the viewing time. But I don't
9 understand why it's less likely that the two team fan would buy
10 the bundle when instinctively one would think that the two team
11 fan would be more likely to buy the bundle. Why does it look
12 like it's so much less? Can you explain why?

13 THE WITNESS: The reason for it is the teams that the
14 person is a fan of on the time viewing side become almost
15 perfect substitutes, and so if you can spend a lot of time
16 viewing either of those teams, that generates almost as much
17 utility as watching half of that amount of time for each one.

18 In other words, the viewing time is a mechanism that
19 picks up the degree to which teams are substitutes for each
20 other, and when you finally get to the multi-team fan, you have
21 lots of teams that are perfect substitutes, and so you can
22 distribute your time.

23 Now, what that means is competition is an extremely
24 important thing for the people who care about more than one
25 team, because they get to play off one against the other

F3H7LAU5

Noll - cross

1 because they really don't care which of those they buy. That's
2 the fundamental reason why these results come about.

3 Q. Let's show the rest of the results.

4 THE COURT: Yes.

5 Q. Because the multi-team fan favors how many teams in your
6 model?

7 A. It's three or more, and it can be any number from three up
8 to 29, 30.

9 Q. And if you were to purchase four RSNs using your pricing in
10 the "but for" world, the league package would be cheaper than
11 buying four RSNs, right?

12 A. Of course.

13 Q. Right?

14 A. Yes.

15 Q. So, economically the person should want to purchase the
16 package if they favor three to four or more teams, right?

17 A. No, because that's not what is being estimated. That's not
18 the nature of the estimation procedure. It doesn't produce the
19 fact that because you watch four you want to buy four, because
20 they are such close substitutes that it's the same answer. If
21 you are going to watch a hundred hours, watching 25, 25, 25, 25
22 produces almost as much utility as watching just one hundred,
23 because they are so close substitutes. Consequently the most
24 important thing to you is price, and the fact that the
25 stand-alone things are really cheap is extraordinarily

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Noll - cross

1 attractive.

2 THE COURT: Only one is really cheap. What she is
3 saying is if you have to buy four of them it's no longer cheap.

4 THE WITNESS: That's right, but you don't care about
5 four, because you don't derive much additional utility from
6 dividing your viewing time on four than just having one.

7 That is the essence of what the utility function is
8 saying, is that when you have roughly equal viewing time among
9 a bunch of channels, it basically says you are indifferent
10 between those teams, not completely indifferent but close to
11 indifferent, and so you are more inclined to go for the cheap
12 one and spend all of your time watching one team than to buy -

13 THE COURT: You are not watching one team; you are
14 watching one team and all of its competitors.

15 THE WITNESS: Yeah, because you like all teams, and
16 they are all fun to watch, and you can get one plus all its
17 competitors for eight bucks, or you have to pay 20 for the
18 whole thing, so you go for the eight bucks and watch the one.

19 Q. But the trend that the more teams you like, the more likely
20 you are to buy a package, is contradicted by your data, right?
21 Because look what happens. When you are in a multi-team fan,
22 only one percent of those people buy the package, right?

23 A. I know you would like to think that contradicts the data,
24 but it doesn't.

25 Q. But that's what you say. I hear --

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Noll - cross

1 A. Because all that we're saying is that it turns out that the
2 parameters we estimate produce the result that the multi-team
3 people are the most price sensitive.

4 Q. So the predictions are not consistent with our common sense
5 for a reason you have explained.

6 THE COURT: He is saying with your common sense.
7 They're completely understandable to him, and he has kind of
8 explained why. He says they're the most price sensitive
9 people. And, after all, if you follow one team you get to
10 watch all the other teams compete against them, so in the end
11 you are watching every team.

12 Q. Because I think you said something quite different in your
13 deposition. Let me see if I can find that quote. Can we put
14 up slide 8, please. Thank you.

15 You were asked about what people would do with your
16 model, right? And you said: Knowing what I know from the
17 model, and doing some preliminary tests, somewhere around two
18 or three the preferred teams is where no one would ever pick
19 more channels, they would go with the bundle.

20 Isn't that what you said when you were asked --

21 A. Yes, this is in response to buying more than one channel.

22 Q. Can I finish?

23 THE COURT: I think you did.

24 Q. I didn't quite, your Honor.

25 I was going to say this is what you were saying about

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Noll - cross

1 model number two, right?

2 A. This was about picking multiple channels. This was about
3 the comparison between how many channels would you buy as
4 opposed to the bundle. This was in a world in which you can
5 buy more than one channel. And so this was about the relative
6 prices. At somewhere between two and three, depending on which
7 channel you like best, it's cheaper to buy the bundle than to
8 buy single channels. That's what this statement is about.

9 Q. The channels are the RSNs, right?

10 A. Well, they may be, yes, but this is about do I buy one, do
11 I buy two, do I buy three, or do I buy the bundle. And
12 somewhere between two and three -- if you what you wanted to do
13 was buy multiple channels, at somewhere between two and three
14 you would switch to the bundle.

15 Q. So, you're saying your model is showing at least for your
16 simulation virtually no one who is a multi-team fan wants to
17 buy the bundle.

18 A. Yes, that's exactly what this shows, that they're happy
19 with one --

20 Q. And this?

21 A. -- at the low price.

22 Q. This was just the MLB.tv data, right?

23 A. This is just for the MLB.tv.

24 Q. But if we look at the Extra Innings DirectTV data we see
25 the exact same pattern, don't we?

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Noll - cross

1 A. That's correct.

2 Q. So, it doesn't matter what data set you are using; you
3 still get this kind of what I will call -- and you don't agree
4 with -- an oddity that the more teams you like the less likely
5 you are to buy the bundle. And you have the exact same
6 difference, 99 percent and one when you look at the MLB Extra
7 Innings data, don't you?

8 A. It is true you get the same results, because the multi-team
9 people are the big beneficiaries of competition, not the
10 single-team people.

11 Q. But that sounds like everybody in these two different data
12 sets are the same, but even better we look at hockey and your
13 model produces a third exact same what I'm going to call
14 reverse distribution in who would purchase the stand-alone and
15 who would purchase the package. Right?

16 A. These produce the same results for the same reason.

17 Q. Even though they're different data sets and you are
18 supposed to be simulating different viewers, right, who view
19 hockey over the Internet versus people who watch baseball on
20 TV, or people who watch baseball on the Internet, correct?

21 A. Yes, they are different people, but the nature of
22 estimating the preferences produces the result that competition
23 is most important for people who are interested in multiple
24 teams.

25 Q. I believe you have said generally you have no argument with

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Noll - cross

1 multi-product pricing when there is a sole licensor or
2 controller of the content, right?

3 A. Under certain circumstances. I mean I don't favor joint
4 ventures as a way to create a cartel, no.

5 Q. I wasn't talking about the league. If you are the sole
6 licensor or owner of that content, you don't dispute that
7 people can distribute it through multiple ways and do
8 multi-product pricing, right?

9 A. I agree that multi-product firms will take into account
10 whatever cross elasticity demand there is between their
11 products, yes.

12 Q. And they will set prices for both so that they maximize
13 their total profits, right?

14 A. That's correct.

15 Q. So, in your "but for" world when the restraints are lifted,
16 the team now has its in-market rights which it had before,
17 right?

18 A. That's correct.

19 Q. It now has its out-of-market television rights, correct?

20 A. That's correct.

21 Q. And it has its out-of-market Internet rights, right?

22 A. That's correct.

23 Q. So, it is now the sole licensor of all of its content,
24 right?

25 A. That's correct.

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Noll - cross

1 Q. So, if it wanted to go directly to the Internet like you
2 say, or bypass the RSN and go directly to the MVPD, it would be
3 in its interest to multi-product price, wouldn't it?

4 A. Well, the locally market thing isn't competing with the
5 out-of-market stuff, so that's not the important fact.

6 Certainly it is the case that the Internet price and the MVPD
7 price out-of-market would be set together.

8 Q. The in-market doesn't compete with the out-of-market? Is
9 that what you just said?

10 A. Yeah. The team's games -- the Yankees games being
11 broadcast in Tampa would be set independently from the Yankees
12 games being broadcast in New York. That is to say the
13 out-of-market pricing is not in-market pricing. But the
14 out-of-market pricing is both Internet and MVPD.

15 Q. The Yankees now have the ability to license their content
16 throughout the country any way they choose, right?

17 A. That's correct.

18 Q. That's why you are complaining about restraints. And they
19 could decide to go to the television distributor, the MVPD, and
20 say you're going to pay me a per-subscriber fee for my
21 stand-alone and I want you to distribute it nationally, right?

22 A. Well, to each of the MVPDs that operates outside their
23 local market, of which there are hundreds or thousands.

24 Q. Just use one for simplicity sake. They could go to one and
25 do that, couldn't they? Let's assume it's DirectTV and it's

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Noll - cross

1 almost everywhere.

2 A. If they wanted to sell exclusively to DirectTV or Dish
3 Network, they could go to just one and have only one
4 negotiation and have limited distribution, yes.

5 Q. And they could decide to also distribute to DirectTV their
6 Internet rights and let them have those rights together,
7 couldn't they?

8 A. They could if they wanted to.

9 Q. And that might be economically rational or even profit
10 maximizing for them, right?

11 A. It may or may not be, yes.

12 Q. You never modeled that, did you?

13 A. No, I have not modeled who they are going to sell their --
14 if they are going to sell exclusive rights outside, no.

15 Q. So, if they sold those together, the idea would be that
16 they would be priced to be complimentary and not to be
17 competing with themselves, right?

18 A. Although they would always take that interaction into
19 account in general, it's better to have your downstream
20 distributors be competitive. That's normally the case because
21 you don't like to create market power for an exclusive
22 retailer. But there are circumstances in which you might want
23 to have an exclusive retailer.

24 Q. OK. And there would be nothing wrong with that if that's
25 what you decided to do.

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Noll - cross

1 A. Not in and of itself, no.

2 Q. So, now let's say the team decides that they have all of
3 these rights and they're going to go to MVPDs to get their
4 stand-alone content distributed on television, right, national.
5 Let's just assume they talked to one or multiple.

6 A. I'm sorry, I lost your premise. They are going to a single
7 MVPD and that's --

8 Q. Or multiple ones, but they are going to get their
9 stand-alone distributed nationally. All right?

10 A. OK. Well, YES Network is already distributed nationally.

11 Q. They do that with a per-subscriber fee, don't they,
12 out-of-market.

13 A. Yes, a very low per-subscriber fee in a bundle, yes.

14 Q. It's a per-subscriber fee. It's not a flat fee, is it?

15 A. It's not a per person who subscribes to YES Network fee.
16 It's a per-subscriber fee over a broader base.

17 Q. It's a per-subscriber fee who subscribes to the cable
18 package.

19 A. Right, it's a bundle. It's a bundle. It's a fee to be
20 included in a bundle.

21 Q. Right. So, they get a per-subscriber fee for all the
22 people who subscribe to the cable company's bundle, right?

23 A. Yes.

24 Q. And right now that's what the Yankees do out-of-market even
25 though they show what you were describing to your Honor as

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Noll - cross

1 shoulder programming, right?

2 A. That's one way to put it.

3 Q. That's what they call it in the industry, right?

4 A. That's one thing they call it in the industry, yes.

5 Q. And let's say they do that, and they charge a

6 per-subscriber fee to be in the cable package bundle

7 nationwide, OK? You don't have any problem with that, do you?

8 A. No.

9 Q. And then they turn to the league, who you say now is
10 independent of them, right?

11 A. That's right, they have set up an independent entity to
12 offer the bundle.

13 Q. So when they decide whether they are going to provide their
14 content to the league, it's just like they're talking to the
15 MVPD in the sense that the price that they're going to agree to
16 is a bargain they are going to come to, right?

17 A. No, that's wrong, because it's a league rule that it's
18 mandatory to supply the fee to the league.

19 Q. Well, do you know what league rule that is that you keep
20 saying is a rule that's mandatory?

21 A. It's a requirement to write it into the contracts that the
22 programs will be included in the bundle.

23 Q. And are you taking the position that that regulation is a
24 rule of the 30 teams or a rule that just the commissioner wrote
25 and can revoke at any time?

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Noll - cross

1 A. Well, I'm not making a distinction between the commissioner
2 and the leagues. There is a reason why such a rule exists, and
3 I know the Yankees don't like the rule and would love to get
4 out of it, and they would like to get out of it now independent
5 of the outcome of this case, but it's still the rule.

6 Q. Dr. Noll, that wasn't my question. My question was: How
7 can the rule be changed? Does it take 30 teams to vote to
8 change that regulation, or can the commissioner change it on
9 his own?

10 A. The commissioner can change it, but the commissioner is
11 subject to his employers which is the executive committee,
12 which is the 30 team owners.

13 Q. So they don't have to put it to a vote, right?

14 A. They don't have to put it to a vote unless they want to
15 have to put it to a vote.

16 Q. So, for a moment set aside the rule, because your position
17 is the rule will stay in place, and our position is the rule
18 will change. Right?

19 A. I don't know what your position is. That's the argument
20 that some people have made, that you can just say, well, the
21 rule will change and then the Yankees will get some fee for
22 having it included in the bundle, or withdraw from the bundle.
23 But that's not the rule, and there is a reason for the rule,
24 and it has nothing to do with anything we're talking about.

25 Q. Well, if it's more profitable for them to independently

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Noll - cross

1 charge the league a fee, and everybody ends up making money
2 independently, more money than they do with having a zero or a
3 free fee, that would be a rational decision, an economically
4 rational decision, wouldn't it?

5 A. If the nature of the fee setting process is to create
6 collusive pricing, yes, it would be more profitable for
7 everybody.

8 Q. I didn't say it was collusive, Dr. Noll.

9 A. No, but the mechanism that we would achieve to get there is
10 in fact collusive pricing.

11 Q. You said that; I did not say that.

12 A. The mechanism that is set up in the expert reports is like
13 a license, the license fee in a patent pool. It's a mechanism
14 for imposing a tax on transactions that recover the monopoly
15 price from the competitive price.

16 Q. It's not like a cross license like in a patent pool, right?

17 A. It's a license for access to patents, yes.

18 Q. But this is a one-way license, isn't it?

19 A. It's conceptually not distinct from what I just said.

20 Q. So, set aside your conclusion that it's collusive. All
21 right? If they were able to set prices independently, so the
22 Yankees go to the league and they treat them like they're
23 Comcast and say I want you to carry my broadcast in the package
24 but I want you to pay me a per-subscriber fee, and they
25 negotiate and come up with that fee, and everyone did that

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Noll - cross

1 independently without speaking to each other, that would not be
2 collusive, would it?

3 A. The mechanism you are describing is an incomplete
4 characterization of how it would come about, but I agree that
5 there exists a way to recover the monopoly price from an
6 agreement about feed fees and changes in the rules. Yes, you
7 could do that. There is a way to do it to reestablish the
8 monopoly price.

9 Q. You are calling it a monopoly price, but what they want to
10 do is make sure since they are either the owner or licensor of
11 all the content, they want to make sure that when they give it
12 to the league it doesn't undermine the price where they're
13 selling it either to the MVPD or going over the Internet.
14 Right? Because they are allowed to multi-product price, aren't
15 they?

16 A. They want to increase the ability of the members of the
17 league to exercise market power, and this is one way to do it.

18 Q. No, I am talking about the individual team --

19 A. Yes.

20 Q. -- not the league. The team itself wants to say I'm
21 selling my product over here let's just say for \$10. OK? I
22 don't want to sell it over here for free so that this guy can
23 price it for \$1 and take all my customers. Right?

24 A. And there is two reasons why that might happen. The first
25 reason is a mechanism whereby all teams can reestablish the

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Noll - cross

1 monopoly price, and the second reason is in a world in which
2 their centralized revenue is equally shared, the higher revenue
3 teams have an individual incentive to defect from a
4 collaborative activity, because their profit share in the
5 collaborative activity is too small to compensate them for
6 going it alone. And then they can say I'm going to go it alone
7 unless you pay me. And that is the private incentive of a team
8 like the Yankees. They would like to withdraw from the league
9 unless the league paid it.

10 Q. That wasn't my question, Dr. Noll. We are talking about
11 could they each come to a bargain to provide their content and
12 make even more money. OK?

13 A. Yes, it's true.

14 Q. Independently.

15 A. They could use the double marginalization principle to
16 reestablish the monopoly price.

17 Q. Well, it wouldn't be double marginalization because they be
18 would be competing out in the marketplace, they would be
19 competing with the stand-alones, which is the whole basis for
20 your model: Competition between the package and the
21 stand-alones.

22 A. They're softening the competition among the stand-alone
23 packages in the context of the model, because going back to our
24 one and two RSN consumers, we have modeled a world in which
25 there is limited competition among the RSNs, and this is a way

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Noll - cross

1 to use the league bundle and the feed fees as a mechanism to
2 reduce the degree of competition among the stand-alone RSNs.

3 MS. WILKINSON: Your Honor, we didn't take our break,
4 and I have one last area. Can we take a break before I do
5 that?

6 THE COURT: No, I thought I would stop you at four and
7 take the break for the five minutes then.

8 MS. WILKINSON: Then may I use the board?

9 THE COURT: That's OK. I actually thought you got
10 more time that way, because nobody comes back in five minutes.

11 MS. WILKINSON: Fair enough. I will take whatever
12 time you give me.

13 Q. Dr. Noll, one of the results of your model is that if in
14 today's world the league did what you are suggesting, the
15 leagues did what you are suggesting, which is allow all the
16 teams to go nationally, you say they would double their
17 profits, right?

18 A. From out-of-market activity. Obviously that's not all
19 there is, because there would be a reduction of fees in local
20 markets that would more than offset it. But, yes, within the
21 out-of-market category the profits would go up.

22 Q. So your point is the league should be -- and the teams --
23 are considering all the revenues they are getting from
24 broadcasting before they decide, not just the out-of-market.
25 They need to consider the effect on the in-market, right?

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Noll - cross

1 A. Well, they would like to consider them. The issue is to
2 what extent is it OK for them to consider them as a group.
3 But, yes, what is important to a single team is its income from
4 all sources.

5 Q. And your position is that in the "but for" world you will
6 have the stand-alones but if you also have the package, that
7 still has a positive additive value to the overall profits,
8 right?

9 A. Yes.

10 Q. So, let's take a look at what you're saying. We will start
11 with our Tampa example, and in Tampa they make a certain rights
12 fee which is their payment for their local in-market, right?

13 A. That's correct.

14 Q. And we will call that in-market revenues. And do you know
15 what that is in the current world for the average team in the
16 2012 that we gave you?

17 A. \$25 million or something like that.

18 Q. No, the revenues?

19 A. I'm sorry. Then I didn't understand.

20 Q. 42 million or so?

21 A. Oh, from all broadcasts.

22 Q. No, for in-market.

23 A. For in-market Tampa gets that much? I didn't think so.

24 Q. That's on average.

25 A. Oh, you are talking about Tampa as an average team.

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Noll - cross

1 Q. I'm using Tampa just so we can round it.

2 A. You didn't mean Tampa; you mean an average team. Yeah.

3 Q. We will use Tampa as the average team. So in the current
4 world they are making 42 million on their in-market revenues.
5 That's right? This is the current world in our hypothetical?

6 A. Just so you know, I cannot come anywhere near clear to see
7 what you are doing. You are way too far away for me to be able
8 to see anything.

9 Q. Well, I'm not going to cheat, because even if you can't see
10 it, there are other people.

11 A. I know, but I am just telling you I cannot see it.

12 Q. I just wrote down Tampa, they make \$42 million in in-market
13 revenue in the 2012 world. Right?

14 A. I don't know.

15 THE COURT: That's what she wrote, in-market, 42
16 million Tampa in 2012, their in-market on that.

17 Q. Now in your "but for" world, if this was going on -- if
18 your "but for" world occurred in 2012, Tampa would now have all
19 of these RSNs in its market competing against it, right?

20 A. Yes.

21 Q. So, they still have their in-market -- sorry my writing is
22 so small -- I put in-market there -- they have in-market
23 revenues, but now Yankees fans can jump to the Yankees
24 stand-alone rate, the Mets and such, right?

25 A. Yes, some number of people subscribe to all that stuff,

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Noll - cross

1 yes.

2 Q. So, Tampa's in-market revenues are going to go down when
3 all of these stand-alones come into the market.

4 A. That's correct.

5 Q. How much?

6 A. I have not estimated that. I have no way of estimating
7 that.

8 Q. You have no idea how much they're going to lose relative to
9 how much they're going to gain here, right?

10 A. No, I could estimate it, but it wasn't part of my task. My
11 task is what is going to happen to the price of a bundle, not
12 what is going to happen to the local rights fees of Tampa Bay.

13 Q. But you have no idea what that number is right now. You
14 haven't modeled it or calculated it.

15 A. I haven't modeled it. I can tell you what factors will in
16 fact determine what ballpark it's going to be in, but I
17 couldn't provide you with a point estimate.

18 Q. OK. And what you did model though is you modeled to see is
19 the industry better with just these RSNs in the market, or are
20 they better off with the package still in the market and the
21 RSNs. Right?

22 A. All that I measured is if the RSNs were already there on a
23 stand-alone basis is it incrementally profitable to have the
24 bundle.

25 Q. So, you have to know what the profits are without the

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Noll - cross

1 bundle, and then you did a calculation you said the bundle
2 being available is overall additive to the profits of the
3 industry.

4 A. It's overall additive -- once you have already eliminated
5 the territorial restrictions, then it's additive to add the
6 bundle.

7 Q. We are in the "but for" world --

8 A. Yes.

9 Q. -- and the territorial restrictions are gone. And you
10 calculated how much the bundle being in place was additive to
11 the overall profits, didn't you? Do you remember those
12 numbers?

13 A. Additive to the out-of-market profits, not additive to all
14 broadcast profits, no. What I calculated was is it additive if
15 at the end of the out-of-market restrictions, and you have a
16 certain amount of profits from the stand-alone channels, on net
17 can you get additional profits by adding the bundle to that.

18 Q. And you came up with an actual number, didn't you, that it
19 was \$11 million?

20 A. Approximately.

21 Q. You had I think \$4.4 million for a month and about \$11
22 million for a season, right? Do you need to look at your
23 reply?

24 A. No, I will assume you are telling the truth. I don't have
25 the number memorized, but that sounds approximately right.

F3H7LAU5

Noll - cross

1 Q. And then for Tampa they are only going to get 1/30th of
2 that, right?

3 A. That's correct.

4 Q. So they're going to add \$892,000 or so to their profits for
5 out-of-market if the package stays in place, right, compared to
6 your "but for" world if they didn't have a package.

7 A. Yes.

8 Q. And that's because of a couple of things. One is the
9 package is already cheaper in your "but for" world, right?

10 A. That's correct.

11 Q. So it's constraining the prices of these stand-alones
12 somewhat, about five percent I think you've calculated.

13 A. That's correct.

14 Q. So, if the package wasn't there, all of these would go up
15 about five percent, right?

16 A. That's right.

17 Q. So, the package though still is beneficial because you're
18 not looking at any of the effect on the in-market revenue,
19 right?

20 A. I was not attempting to say that the active -- eliminating
21 territorial rights was overall net profitable to the league.
22 Of course it's not net profitable, or they wouldn't have the
23 rule. So, yes, they have already experienced a decline in
24 their local revenues arising from the fact that the in-market
25 restrictions have been eliminated.

F3H7LAU5

Noll - cross

1 Q. But we are just trying to get to the point. If you were
2 the team or the owner, and you are trying to figure out do I
3 vote for the bundle, you don't just look at your out-of-market
4 profits; you want to know how the bundle also impacts your
5 in-market profits.

6 A. Well, the thing that is hitting on the profits in-market is
7 the existence of all of these out-of-market single things.
8 There is relatively little effect on those guys. It's like you
9 said it's like five percent when you add the bundle. The big
10 hit has come from adding the all the 30 or the 29 other teams'
11 RSN. That's where the hit is coming from.

12 Q. If you took away the bundle, you are going to have these
13 stand-alones go up on average five percent, but not all. Some
14 go up more, some less, right?

15 A. Yes, some more, some less.

16 Q. So, you are going to have a little bit more of a price
17 differential, right, between the Tampa in-market and the cost
18 of the RSN, right?

19 A. There will be a small price effect on the local rights.

20 Q. And you haven't figured out -- because if even taking away
21 the bundle increases the in-market profits by a million
22 dollars -- which would be about three percent -- then for that
23 owner it doesn't make any economic sense to vote for the
24 package, does it?

25 A. Well, you are assuming the answer. Yes, it's true that

F3H7LAU5

Noll - cross

1 Tampa's share of the profits of the bundle are very small
2 compared to the decline in the value of their local rights that
3 would come about from eliminating the territorial restrictions.

4 Going to a bundle in addition to the stand-alone
5 prices is not going to have a big effect on Tampa Bay's local
6 rights fees, but, you know, that is not the main factor or even
7 an important factor in determining those rights.

8 Q. Dr. Noll, you said that the in-market revenues --

9 THE COURT: Ms. Wilkinson, it's 4 o'clock. I really
10 have to stop, take the five minutes now, and then have
11 redirect. I know you are sort of in the middle of a point.

12 MS. WILKINSON: Can I just ask one question?

13 THE COURT: Yes.

14 Q. So, Dr. Noll, you didn't calculate and can't tell the court
15 what the impact would be of no package on the in-market revenue
16 and whether that could make up for losing the revenue on the
17 package, can you? You didn't calculate it.

18 A. The bundle itself is not costly to any of the teams in the
19 league.

20 Q. Dr. Noll, did you calculate it?

21 A. I haven't calculated a number, but it's not costly to the
22 teams.

23 THE COURT: Thank you. We will reconvene in five
24 minutes for redirect.

25 (Recess) (Continued on next page)

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1 (In open court)

2 THE COURT: Are we ready for redirect?

3 MR. DIVER: Unless your Honor has any more questions,
4 we don't have any redirect at this time.

5 THE WITNESS: Your turn.

6 THE COURT: I didn't prepare the redirect. There was
7 this one thing about the random C generator and that was sort
8 of attacked. You used random numbers to rank the fans of each
9 team, right?

10 THE WITNESS: No. The mechanism for doing this
11 iterative procedure to try to generate parameters that matched
12 the moments has to start somewhere.

13 THE COURT: Right.

14 THE WITNESS: And we pick a random number as far
15 as -- and if you make a series of assumptions that cause the
16 factors that are in your model to sort of all have -- all be
17 the same, so you don't have much differentiation amongst
18 consumers, then where you start can determine where you end.

19 THE COURT: The sensitivity to price, right --

20 THE WITNESS: Yes.

21 THE COURT: -- you said you would just randomly
22 generate whether some fans of some teams are more sensitive to
23 price than others.

24 THE WITNESS: No. That's -- that's only an
25 implication of what you're doing. What the model does is

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1 produce -- a demand relationship in economics is how much do I
2 buy as a function of the prices of everything else. And you
3 generate that from the maximization of the fans' utility or
4 welfare subject to a budget constraint. That's why the other
5 option is in there. A fan has so much money to spend and
6 there's the price on the bundle and there's a price on each of
7 the individual channels and there's a price on everything else,
8 the other options.

9 And so you use that generated utility function, which
10 assigns weights to both money and viewing time and the presence
11 of the bundle, to generate the demand curve; and that then
12 produces for you price elasticities and price sensitivities in
13 the model.

14 THE COURT: One of the things is there's no data to
15 use if you used a randomly-generated, what do you call it, C
16 number, and they criticized you for that. So I'm trying to
17 understand the criticism in the answer. Why did you use a
18 randomly-generated number rather than something that was based
19 on data?

20 THE WITNESS: No. The randomness is a necessary
21 component of the Generalized Method of Moments. What they're
22 actually -- the consumer is based on fact, but the data they
23 provided has no variation in price, so I can't add that.

24 Normally, what we would do in this kind of a model
25 like is in the paper by Ali and Greg, is that you would observe

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1 that MVPDs have somewhat different prices and include somewhat
2 different things in their bundle, so you can actually get some
3 variation in what the consumers are offered and how much the
4 price is. So they can use those moments, the mean and the
5 standard deviation and all those variables, to get some
6 additional explanatory power.

7 I don't have that because, first of all, the
8 composition of the bundle is -- only varies by the local
9 territorial rights. It's not very gray. And secondly, there's
10 no price variation. So I can't use those to estimate a demand
11 curve. That means that there's going to be more susceptibility
12 of the model to influence by the brand of effects, the
13 statistical effects than there is in a model that had more data
14 about prices.

15 THE COURT: Okay. That was the last one I think I
16 had, too. As I said, I didn't prepare the redirect. If you
17 don't have any, then we're finished 20 minutes early. That's
18 the end of it. I don't think there's any point in starting the
19 next expert who is on for tomorrow who is Dr. Ordovery. So if
20 you agree, we'll just reconvene at 10 a.m. tomorrow.

21 MS. WILKINSON: We do. Thank you, your Honor.

22 THE COURT: All right. Thank you.

23 (Adjourned to March 18, 2015 at 10:00 a.m.)

24 * * *

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