

1 APPEARANCES:

2 COMMISSIONERS PRESENT:

3 CHAIRMAN PAT WOOD, III

4 COMMISSIONER LINDA KEY BREATHITT

5 COMMISSIONER NORA MEAD BROWNELL

6 COMMISSIONER WILLIAM L. MASSEY

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8 SECRETARY MAGALIE ROMAN SALAS

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16 ALSO PRESENT:

17 DAVID HOFFMAN, Court Reporter

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1 FEDERAL REGULATORY ENERGY COMMISSION

2 786TH REGULAR MEETING

3 (10:10 a.m.)

4 CHAIRMAN WOOD: Good morning. This meeting of
5 the Federal Energy Regulatory Commission will come to order
6 to consider matters which have been posted for February 27,
7 2002. Please join me in the pledge to the flag.

8 (Pledge of Allegiance recited.)

9 CHAIRMAN WOOD: It was nice to see that flag in a
10 number of metal ceremonies over the past two weeks. It's
11 just as nice to see it back there.

12 Before we start, Ms. Linda has something to say.

13 COMMISSIONER BREATHITT: I have an announcement
14 this morning. I would like to announce that Mary Bench who
15 has been with the Breathitt office for a little over four
16 years is sadly leaving us but happily joining Sullivan &
17 Wooster, a Boston law firm, with a new Washington office.
18 Mary is going to be sorely missed by me and the rest of the
19 people in my office. She kept us laughing, needless to say,
20 through lots of long, tedious difficult days that we've had
21 in the past year-and-a-half, and is a terrific writer, is a
22 fine person, and is very loyal, and I would like to
23 congratulate Mary on her new business opportunity and to
24 tell you that we will all miss you very much and to thank

1 you in short, simple words how grateful I am for your

1 wonderful years of service in the Breathitt office.

2 (Applause.)

3 COMMISSIONER BREATHITT: I would also like to
4 announce that Dave Fairburg, who is an attorney in OGC, will
5 be coming up on a detail and will be starting this Friday.

6 And, Mary, no more cases to read over the
7 weekend.

8 Dave, would you please stand so everybody can
9 recognize you. Thank you.

10 (Applause.)

11 COMMISSIONER BREATHITT: That's all I have, Mr.
12 Chairman.

13 CHAIRMAN WOOD: Thank you very much.

14 Madame Secretary?

15 SECRETARY SALAS: Good morning, Mr. Chairman,
16 good morning Commissioners. Your consent agenda for today
17 is as follows:

18 Electric E-2 through E-4, E-7, E-9, E-11, E-12,
19 E-15 through E-18, E-20, E-23 through E-26, E-29, E-31, and
20 E-33.

21 Gas G-2 through G-5, G-8 through G-11, G-13
22 through G-17, G-19 through G-29, and G-31 through G-33.

23 Hydroelectric H-1, H-4, H-5, and H-7.

24 Certificates C-1 through C-6 and C-8.

1 The specific vote descriptions for these items

1 are as follows: E-3 Commissioner Brownell concurring. E-18
2 Chairman Wood not participating. E-20, Commissioner
3 Breathitt concurring, Commissioner Brownell concurring. G-8
4 Commissioner Breathitt dissenting in part. G-11
5 Commissioner Breathitt dissenting in part. G-13
6 Commissioner Breathitt dissenting in part and Commissioner
7 Massey votes first this morning.

8 COMMISSIONER MASSEY: Aye.

9 COMMISSIONER BREATHITT: Aye with partial
10 dissents and concurrence noted.

11 COMMISSIONER BROWNELL: Aye with concurrences
12 noted.

13 CHAIRMAN WOOD: And aye, including not
14 participating on E-18.

15 SECRETARY SALAS: The first discussion item this
16 morning is E-34, Electric City Market Design and Structure.
17 More specifically today, you will hear a presentation of the
18 RTO cost benefit analysis report. Presenting for you this
19 morning at the table from the Commission Scott Miller and
20 Bill Meroney, and at the table from ICF Consulting John
21 Blaney and Jim Turnure.

22 CHAIRMAN WOOD: To introduce this, I'd like to
23 just put it in the context of what was going on here. On
24 November 7th, we initiated a cost/benefit study on the RTO

1 policy. While other studies have been performed by the

1 Commission in the past, to capture national net benefits, we
2 have not further disaggregated that to try to understand the
3 net results on a regional level. Today we received the
4 results of the study from the contractor, ICF, as introduced
5 by the Secretary.

6 I'd like to say a few things about the generous
7 involvement of some of our state friends. ICF consulting
8 and FERC Staff had the benefit of working with an advisory
9 team of some of the state commissioners from across the
10 country. The members of this team are James Buddy Atkins
11 from South Carolina who I'm pleased has joined us here today
12 at the table, Michael Dworkin, Chair of the Vermont
13 Commission, whom I understand is joining us by phone,
14 Chairman Marilyn Showalter of the Washington Commission who
15 is also I believe joining us by phone. Alan Schreiber of
16 the Ohio Commission, David Schwanda from Michigan, and
17 Connie White from Utah.

18 I'd like to thank these hardworking folks and of
19 course those on our Staff and the consultant for helping us
20 out on the study. While the presence of the commissioners,
21 the state commissioners, does not imply they agree, it was
22 very valuable to us and I believe to the consultant, from
23 my understanding, that we had access to their views, issues
24 and requests. We very much appreciate the time that the

1 state commissioners took to help us out and we hope this has

1 made for a more credible product.

2 Our efforts do not end here, as I believe will be
3 detailed a little bit more later between March 4th and
4 March 15th, our Staff and the consultants will hold a series
5 of conferences and teleconferences with state commissioners,
6 members of the industry, customer groups and other parties
7 to discuss the study's results. We'll announce the dates
8 and times for those specifics shortly so anybody interested
9 can participate.

10 We also have with us the members of staff here
11 and with no further adieu, I'd like to turn it over to Mr.
12 Miller to introduce the project.

13 I'm sorry, I was also told Commissioner Atkins
14 would like to say something first.

15 MR. ATKINS: Thank you, Mr. Chairman. Again, I
16 appreciate the opportunity to be here today. Let's see if I
17 can gather up my notes that I have momentarily lost. I do
18 appreciate the opportunity to be here today and I want to
19 thank the Commissioners and all the Staff that I have the
20 opportunity to work with. I think moving forward, it's
21 important that we keep in mind where we've been. These are
22 extremely important issues and ones which will have a major
23 implication on supplies used, generation issues, and how we
24 scope RTOs out into the future. And I think we'll have an

1 important role in how states move towards their evolving

1 markets. Being a southeastern commissioner, we are still
2 regulated there, and clearly there are a number of important
3 decisions that we are going to have to make in our general
4 assemblies as we move forward. I think the key to this is
5 to make sure that we're open minded, and that ultimately we
6 have a forward looking, robust model that looks at a whole
7 range of issues which hopefully will optimize system costs
8 in the electricity system. Those might include siting of
9 transmission and generation and the planning that goes with
10 that, needed transmission improvements, and also, and I
11 think very importantly, the design and implementation of
12 fair and reasonable transmission operating rules and
13 tariffs.

14 I think to that end, the cost benefit study
15 that's been initiated by FERC that has been supported by
16 NARUC should begin to offer guidance to all of us towards a
17 consensus of how these RTOs should be implemented. As a
18 state commissioner, I think it's important for everyone to
19 realize that I have to keep in mind that we again remain
20 vertically integrated in South Carolina and in most of the
21 southeastern states, and it's important that I keep in mind
22 the potential impacts there are to consumers and incumbent
23 utilities. However, I believe that we must look forward to
24 the future and be open to the potential benefits which could

1 accrue from well-designed RTOs.

1 As a finder of fact, I have to remain skeptical
2 until the data are in. I must say I'm really looking
3 forward to going over the outcome of the model, and to
4 working closely with the FERC Staff and with the consultants
5 as we move forward to a resolution of this issue.

6 Let me emphasize again, as I have in many other
7 situations, the importance and critical role which I believe
8 has to be placed on formalizing the process and
9 collaborative effort between the FERC and state commissions.
10 I think we have to do that in order to continue to move
11 forward to resolve this issue in a timely and efficient
12 manner. Mr. Chairman, I just again appreciate the
13 opportunity to be sitting up here at the table and having
14 the opportunity to have input both today and as a member of
15 the Advisory Group.

16 CHAIRMAN WOOD: Thank you. We'll thank Buddy
17 for being here. They are kind of numbers guys and I
18 appreciate your comments.

19 Mr. Miller? Mr. Patton, are we patched in?
20 Welcome, Marilyn. It's Pat and the gang. We're going to
21 turn it over now to Scott Miller on our Staff to introduce
22 the project.

23 Scott?

24 MR. MILLER: Good morning. It's nice to see a

1 fifth Commissioner at the table.

1 (Laughter.)

2 MR. MILLER: The main purpose is to give a
3 briefing, an overview of the results that we got from the
4 cost benefit analysis that we initiated back in November.

5 Before I turn this over to ICF Consulting, to give us an
6 overview of the results, the presentation that you're about
7 to see and the report itself should be up on the Web site
8 shortly.

9 Let me say a few words about the process
10 involving the state commissioners because we had heard so
11 frequently from a number of the states that they wanted a
12 cost benefit analysis that drove down some regional results.
13 The Commission initiated a process which was a little bit
14 unique but was designed to try to give us the benefit of the
15 perspectives of the state commissioners. Working with
16 NARUC, Chuck Gray and Charlotte Barklin, we arrived at a
17 group to work with us on assumptions and issues that were
18 important to the states and a group that was provided
19 regional diversity, a background of people who either had
20 some modeling experience or had expressed an interest in
21 such a model being run, and a wide variety of perspectives
22 with regard to RTOs.

23 As you mentioned, Mr. Chairman, there were a
24 number of them but it had to be kept to a relatively small

1 group to keep the process manageable. But we did meet with

1 them by teleconference on at least five or six different
2 occasions and actually had them come to the ICF Headquarters
3 for a nearly all day event to go through the logic of the
4 model we used, and we very much appreciated their input. It
5 was most useful.

6 I can say that we tried to incorporate nearly all
7 of the issues that were raised by the states. There were
8 some that were difficult from the perspective of the model,
9 but we did try to take all these seriously. Before turning
10 it over to ICF, let me say a few words about their
11 qualifications.

12 ICF has been around for quite some time, and has
13 a fairly storied history in the 25 years that it's been
14 around for first working on the U.S. Government's response
15 to the oil embargo in the 1970s, working on Project
16 Independence. They also lent their expertise to a number of
17 initiatives which were important to both energy and
18 environmental policies. These policies include the Natural
19 Gas Policy Act, the Clean Air Amendments, and most recently
20 the President's proposed Clear Skies Initiative.

21 Working for us, they've provided analysis for the
22 environmental impact statement for Order 888, the
23 environmental assessment for Order 2000, and they have done
24 a number of studies to support U.S. Agency for International

1 Development, the World Bank, and the Environmental

1 Protection Agency.

2 Without further adieu, I will turn this over to
3 John Blaney who is the Vice President for ICF and we'll go
4 through the first part of the overview.

5 MR. BLANEY: Good morning. I want to thank the
6 Chairman and the Commissioners and the FERC Staff and the
7 members of the State PUC Panel for working collaboratively
8 with us on this study. And we are pleased to present the
9 results this morning.

10 On page 3 of our presentation, you see an outline
11 of the scope of the discussion for this morning.

12 (Slide.)

13 We're basically going to try and cover three
14 things. We're going to first talk about just providing an
15 overview of the study. Secondly, we're going to talk about
16 the process and the analytic approach that was used, and
17 lastly we're going to talk about the results.

18 (Slide.)

19 Turning to page 6 of the presentation, you see a
20 summary of the approach that was used. The Commission
21 announced further cost benefit analyses in federal/state
22 consultations in the November 7th, 2001 Order. The purpose
23 of the analysis that we understood, as the Commission said,
24 was to "determine whether, and if so, how RTOs will yield

1 customers savings, and to provide a quantitative basis for

1 the appropriate number of RTOs." To that end, ICF undertook
2 developing computer modeling scenarios by combining sets of
3 analytic assumptions because the Commission described three
4 major types of economic benefits in Order Number 2000.
5 Three policy scenarios were developed to analyze relative
6 contributions of different assumptions to economic outcomes.

7 The first study, the analysis that we did was a
8 base case that embodied current regulations resulting from
9 FERC Order 888. In addition to that base case which set the
10 framework for the analysis, we did three additional core
11 policy scenarios. The first was a transmission and
12 generation case which combined transmission efficiencies
13 with improvements in generator performance. The first two
14 types of benefits that the Commission identified.

15 Secondly, we did a transmission-only case in
16 which we tried to isolate the improvements that would result
17 in the transmission grid only as a result of FERC Order
18 2000, the adoption of RTOs. Lastly, we did a demand
19 response case which added in a limited demand response
20 benefit to the transmission and generation case assumptions.

21 In addition to that, two sensitivity cases were also
22 developed, one for a larger RTO case and one for a smaller
23 RTO case, to examine the impacts of varying the RTO's scope
24 alone.

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(Slide.)

1 On page 7, you see a summary of the results. The
2 policy scenarios result in a wide range of potential
3 economic benefits, production cost savings for the entire
4 system range from \$1 billion to \$10 billion per year. On a
5 net present value basis over the 20-year time frame of the
6 study, total product cost savings range from \$7 billion to
7 \$60 billion.

8 Estimates of RTO establishment costs range from
9 \$1 billion to \$5.75 billion, but these are one-time start-up
10 costs. On a net basis, the results of the study show that
11 implementation of RTO policy leads to gains, even if RTO
12 benefits are relatively low while costs are relatively high.

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1 The sensitivity cases examining RTO results show that larger
2 RTOs lead to larger economic gains. These effects are in
3 the range of one to three hundred million dollars per year.
4 The assumption that RTOs lead to improvements in generator
5 efficiency, particularly through better generator
6 performance, is the most important factor determining the
7 results.

8 Energy price impacts vary across regions. Most
9 regions show price declines, but a few regions show price
10 increases. The increases are small and transient but raise
11 issues of equity and revenue distribution.

12 That provides a brief summary and overview of our
13 study approach and results. What I would like to talk about
14 now briefly is the process and analytic approach that was
15 used. Turning to page 11.

16 (Slide.)

17 MR. BLANEY: Mr. Miller already described the
18 collaborative process that we used. We worked closely with
19 FERC Staff to develop an initial framework of the study. A
20 state PUC panel was also engaged via a series of conference
21 calls to consider issues that should be addressed in the
22 study, analytical methods and specific state concerns. And
23 on January 8, 2002, an all day meeting with the state PUC
24 panel and FERC Staff was held at ICF's headquarters in

1 Fairfax, Virginia. This collaborative process framed issues

1 and provided input into the scenario selection. Actual
2 analysis and final results were not subject to FERC or state
3 official review or revision.

4 I'd like to briefly now talk about the modeling
5 framework that was used, and I would like to turn to page
6 14.

7 (Slide.)

8 MR. BLANEY: There you see a diagram depicting
9 the integrated planning model which was the tool used for
10 this analysis. You see depicted there the major inputs and
11 outputs into the modeling system. The starting point on the
12 left-hand side as it's depicted there is the database with
13 information on every boiler and generator in the United
14 States as well as information describing the cost and
15 performance of new generation technologies.

16 The model inputs also include electric demand,
17 gas supply representation, coal supply representation, as
18 well as a very detailed representation of air emission
19 regulations as well as pollution control strategies for
20 dealing with them. Obviously, another very important input
21 into the model was the specification of the RTO regulatory
22 scenarios that we will be describing shortly.

23 Having run the model for the base case and for
24 the three policy scenarios and the two sensitivity

1 scenarios, the results that come out of the model include

1 electric generation capacity additions, fuel consumption,
2 both natural gas, coal and oil, electric prices as well as
3 capital O&M and fuel costs as well as NOX, SO2 and carbon
4 emissions.

5 (Slide.)

6 MR. BLANEY: Turning to page 16, you see a
7 depiction of the geographical structure of the model. We
8 divide the U.S. electric system into 32 regions. The
9 starting point for those regions are the NERC regions. In
10 addition to that, we further subdivide those NERC regions to
11 capture what we view as significant transmission bottlenecks
12 in the electric system. So we have a representation of all
13 the electric generators in the United States. Those are
14 assigned to these 32 regions based on their location. And
15 then we have estimates of the transmission capacity linking
16 these regions so that we can model the generation and the
17 flows for the entire U.S.

18 (Slide.)

19 MR. BLANEY: I would like to briefly, turning to
20 page 18, describe some of the key features of the model.
21 One of those features is a very detailed representation of
22 coal supply. We have 40 different coal supply regions in
23 the model, each coal plant in the model is assigned to one
24 of 41 different coal demand regions, and there's a coal

1 transportation matrix that links that demand and supply up.

1 (Slide.)

2 MR. BLANEY: Similarly, on the natural gas side,
3 turning to page 20, the natural gas supply structure in the
4 integrated planning model is developed from ICF's North
5 American Natural Gas Analysis System. The NANGAS model has
6 described an analytic capability that allows assessment of
7 gas resources in markets from reservoirs to burner tip,
8 working from a database of more than 17,000 U.S. and
9 Canadian natural gas reservoirs.

10 So the point I want to make at this point is that
11 the integrated planning model provides an integrated
12 assessment of the U.S. electric system, the natural gas
13 supply and demand, as well as coal supply and demand,
14 because we believe that you have to have an integrated view
15 of those converging markets to develop a meaningful policy
16 analysis.

17 (Slide.)

18 MR. BLANEY: Turning to page 23, I would like to
19 place the model results in some context. The IPM framework
20 estimates electric generation costs which represent about
21 two-thirds of the total cost of providing electricity to
22 end-use consumers. While the model includes transmission
23 charges, it does not directly estimate transmission and
24 distribution costs. IPM focuses on those generation costs

1 that are relevant for short-term operations and long-term

1 investments.

2 The generation costs excluded from the modeling
3 framework are not expected to be changed by RTO policy since
4 they already incurred and therefore are insensitive to
5 regulatory changes, the so-called sunk costs. The main
6 relevant costs not directly estimated by the model are for
7 transmission investments and transmission operations. These
8 were estimated by the research team separately from the IPM
9 modeling framework.

10 At this point I would like to turn the discussion
11 over to James Turnure, who is a principal in our firm, to
12 talk about these scenarios as well as the results of our
13 study.

14 MR. TURNURE: Thank you, John. Good morning. I
15 also appreciate the opportunity to address these issues
16 before you this morning.

17 In order to conduct an analysis of this type
18 using simulation modeling, you have to work up policy
19 scenarios, which are combinations of assumptions. You vary
20 all these assumptions in tandem in a way that's designed to
21 represent a specific implementation of a policy, in this
22 case a regulatory policy, and I'm just going to describe
23 briefly the scenarios that were used in the study. And of
24 course it goes without saying that there's a lot more

1 information about this in the study itself.

1 (Slide.)

2 MR. TURNURE: The map on slide 25, page 25 of
3 the presentation shows an RTO configuration that was used
4 for the main policy cases in this study. This is a five RTO
5 configuration for RTOs in ERCOT. This is the type of
6 critical assumption that needs to be made when you're doing
7 this type of modeling, and there are a lot of choices to be
8 made here.

9 We are trying to represent very broadly the
10 national and regional outcomes, and we'd just like to point
11 out repeatedly that there are much more regional detailed
12 studies that could be done on specific regions that go
13 beyond what we're able to do with the national model.

14 (Slide.)

15 MR. TURNURE: On the next slide 26 is a table.
16 It may not be the most transparent table, but it shows the
17 scenarios that were developed and the key assumptions that
18 go into them. As John mentioned in the summary, because the
19 Commission laid out three main types of economic benefits
20 that were hoped for from RTOs, we decided to run scenarios
21 that try to isolate those different categories and economic
22 benefits, so that first column there lays out whether it's
23 transmission, generation or demand response -- more
24 responsive demand in a competitive market.

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That sets up the conceptual basis for that

1 scenario. Then we talk about the specific model
2 assumptions. There's a few for transmission and a few for
3 generation and basically one for demand response. Then that
4 shaded bar on the top just lists out the scenarios. As John
5 said, there was a base case that's designed as a status quo
6 regulatory case. Then there are three main RTO policy
7 scenarios. They are called transmission-only, transmission
8 generation and demand response, again, following the main
9 categories of benefit.

10 And then two sensitivity cases, one with larger
11 RTOs and one with smaller. There are maps of those in the
12 study as well. I am going to talk about the results after I
13 describe how we get from the base case to the model
14 scenarios, and I will talk about the sensitivity cases at
15 the end.

16 I just want to mention briefly slide 29, page 29.

17 (Slide.)

18 MR. TURNURE: This is called map model
19 calibration. It's a bit technical, but it's a kind of key
20 step when you're talking about having a base case that
21 represents inefficiencies in the market today, you have to
22 worry about having a model that is an optimization model
23 which is creating an efficient outcome if you leave it to
24 its own devices.

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This slide about model calibration simply

1 describes the process that's explained in more detail in the
2 study in which we actually have to use the model to simulate
3 an actual base year, in this case the year 2000. So when we
4 get the model to replicate the actual regional generation
5 patterns that took place in order to mimic how the NERC data
6 came out from the year 2000, what that means is we actually
7 have to constrain the model. We have to limit it, because
8 the model will want to put cheaper power into some areas
9 than in others so we actually have to create the barriers to
10 trade that represent the current system inefficiencies.

11 After we do that, we then move on into policy scenarios in
12 which RTO policy is assumed to solve some of those
13 interregional transmission barriers and a few other benefits
14 to the economy.

15 So I'm just going to turn from that to results.
16 And I would go up to slide 32, page 32 of this presentation.

17 (Slide.)

18 MR. TURNURE: And just describe briefly what
19 happens in the model when you change the assumptions.
20 Basically, there is physical and economic representation of
21 the electric system in a model of this type. So when you
22 reduce the transmission barriers, the hurdle rates between
23 regions, this effects the pattern of interregional trade in
24 electricity.

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These changes occur over very large areas of the

1 country. Analyzing these effects requires analytic tools
2 with national scope. You can analyze the Northeast in
3 isolation, but the Midwest and the Southeast may very well
4 be doing things that affect what happens in the Northeast.
5 That's a very key finding in this type of analysis.

6 In these scenarios analyzed for this study, we
7 found fairly significant interregional trade flows that
8 occurred over the large areas of the United States, in
9 particular, interregional trade shifts towards Florida in
10 the Eastern Interconnection and California in the Western
11 Interconnection. These are major demand centers which are
12 higher priced export regions. So the regions that can get
13 there with electricity do their best to do so.

14 In the Eastern Interconnection, these shifts in
15 regional generation and the larger interregional power flows
16 change the export pattern of Midwestern regions away from
17 the Northeast and towards the Southeast. So areas that are
18 currently exporting into PJM and points north and east of
19 PJM wheel around and ship power instead south, primarily
20 through TVA and other areas and southern into Florida.

21 That's a pretty large change in the way power
22 flows in the Eastern Interconnect. In the Western
23 Interconnections region throughout the interior West export
24 more power towards California. This includes Arizona, New

1 Mexico, the Rocky Mountains, Montana. There are maps of

1 these flow changes in the study itself.

2 (Slide.)

3 MR. TURNURE: On the next slide, page 33, as I
4 mentioned, there's both physical and economic representation
5 of the system in this kind of modeling. So when the power
6 flows change, the economic outcomes change also. Increasing
7 the opportunities for interregional trade allows regions
8 with lower production costs to export more power and
9 displace higher cost production in importing regions. At
10 the same time, changes in the assumptions that describe
11 generators and market efficiencies also result in economic
12 changes. For example, changes in reserve margin
13 requirements and interregional reserve sharing can result in
14 deferral of new plant construction to meet reserve needs.

15 This reduces capital investments, results in
16 production cost savings. The impact of economic changes is
17 measured in two ways in the IPM -- integrated planning model
18 -- framework. The model estimates both production costs and
19 wholesale energy prices. While these two measures usually
20 move together, they do not always coincide. In some
21 regions, changes in interregional trade create energy price
22 effects that are greater than the efficiency savings and
23 production costs. That is to say, you can have the
24 production costs go down in some areas while the prices move

1 in the other direction. In other regions, the reverse is

1 true. It all breaks down to the specifics within each
2 region.

3 (Slide.)

4 MR. TURNURE: On the next slide on page 34 we
5 have a table of the results of the three main policy cases.
6 The study timeframe runs from 2004 to 2020. We have here
7 represented the production cost savings in these three
8 different cases. I'll get to the energy prices in a moment.

9 This represents the base case production cost,
10 which is the total of incremental going forward capital fuel
11 fixed and variable operations and maintenance, as John
12 mentioned earlier, and then the changes from that in the
13 scenarios that we ran.

14 As you can see, there are three main policy
15 scenarios. And there's a summary of these on the next slide
16 on 35.

17 (Slide.)

18 MR. TURNURE: I think that you can look at these
19 numbers -- you can slice these numbers several different
20 ways. We've got both the savings in absolute dollars and
21 the percentage savings in production costs. One way to look
22 at it is to take a representative year, such as the year
23 2010. By the year 2010, most of the policy changes, most of
24 the assumptions have taken full effect in the model, and

1 you're seeing most of the changes you'd expect to see in

1 these cases.

2 As you can see in that first transmission
3 generation, which again combines some generation
4 efficiencies with transmission efficiencies, savings in 2010
5 are in excess of \$5 billion per year. These savings
6 increase over time. That gets you into the neighborhood of
7 5 percent savings in production cost terms for that
8 scenario.

9 We also have other scenarios with other results.
10 We have the transmission-only case, which has no market
11 improvements that lead to generator or demand response
12 savings. As you can see, those production cost changes are
13 considerably smaller in the year 2010, slightly over \$750
14 million per year, although again increasing over time.
15 Those percentage savings are less than 1 percent.

16 Another way to look at these -- well, first let
17 me summarize the demand response case. The demand response
18 case really includes all the benefits that the Commission
19 has been looking for in these policy contexts. It's
20 important to note that more responsive demand is a very
21 important economic driver. And the way that we've dealt
22 with that assumption we can discuss if you have questions
23 about that.

24 If you add that into the generator savings from

1 the other scenarios, you have in 2010 savings in excess of

1 \$7.5 billion per year, rising over time. And that gets you
2 into the 7 percent range in production cost terms.

3 I will also just note briefly this net present
4 value calculation on the table. It's the final column
5 there. That's where we take the total change in production
6 costs over the whole study period, the whole 20-year study
7 horizon, and we take a discount rate to that and we add it
8 all up. And as you can see, those range fairly widely from
9 as little as \$6.2 billion in the transmission-only case for
10 the whole study horizon, up to as much as \$60 billion over
11 the study horizon for the demand response case.

12 So that's the production cost side of the
13 results.

14 (Slide.)

15 MR. TURNURE: If you turn to slide 36, there's a
16 map on slide 36. As I mentioned, the model calculates
17 production costs. It also calculates energy prices,
18 wholesale energy prices on a regional basis. This map is
19 base case status quo energy prices in 2010. It's a point of
20 reference. Modelers use this to determine if they think the
21 results are reasonable. They wonder why it happens. We're
22 just showing you this as a comparator, and you can see
23 prices ranging from a little under \$30 per megawatt hour, as
24 high as \$40 per megawatt hour throughout the country, with

1 Long Island and New York being highlighted there in that

1 little zoom up of the Northeast. They're the only regions
2 in the highest cost category.

3 (Slide.)

4 MR. TURNURE: The next slide then is the relevant
5 slide I think. It's the one mislabeled 28, but it's the one
6 after slide 36.

7 (Laughter.)

8 MR. TURNURE: And it has energy prices change
9 from base case in 2010 in percentage terms. These are the
10 kinds of energy price results that occur in these RTO policy
11 cases. As you can see, there's a variation between regions.
12 We have a variety of explanations for this that are really
13 laid out in the study, but if people want to discuss the
14 explanations for specific regional results, we can try to do
15 that within the limits of time today.

16 Most regions experience price declines in these
17 cases. Generally speaking, the price declines in 2010 in
18 this scenario range up to 10 percent or so. I'll point out
19 a couple of specifics in this instance. We have the
20 Southeast having a price decline taken as a whole of 4.7
21 percent in 2010, and we have the Pacific Northwest taken as
22 a region experiencing a price decline of 5.8 percent in
23 2010. So many regions experience price declines in excess
24 of 5 percent. Many regions experience smaller price

1 declines, and a few regions experience price increases. The

1 price increases, as you can see on this chart, are in a few
2 percentage points generally speaking. We occasionally see
3 in some regions in some years price increases that are
4 larger than that in percentage terms.

5 In general, these price increases diminish over
6 time. In many cases they disappear in later years of the
7 study. But we wanted to highlight this as an important
8 phenomenon that can occur when you make these kinds of
9 assumptions in this type of analysis.

10 I'll just quickly go through the sensitivity
11 cases on smaller and larger RTOs. This will be slide 40.

12 (Slide.)

13 MR. TURNURE: There's another table on page 40 of
14 the presentation. As we mentioned earlier, there were two
15 sensitivity cases that took into account larger and smaller
16 RTOs. Again, these are laid out in the study and there are
17 maps and all that sort of thing. The larger RTO case is a
18 three RTO scenario, where you have one RTO in the Western
19 Interconnection, one RTO in the Eastern Interconnection with
20 Texas ERCOT left as its own RTO, so three.

21 We also have a smaller RTO case which is
22 considerably more broken up. There's nine RTOs in that
23 case, three in the West, the existing ISOs in the Northeast
24 left by themselves, Florida left by itself and ERCOT left by

1 itself.

1 The difference between these two cases is
2 illustrated on this table. As you can see, the difference
3 is significant, it's there. It's not nearly as large as the
4 differences between the other cases. These differences in
5 production cost terms generally are on the order of one to
6 three hundred million dollars per year. This again
7 illustrates the difference in changing only transmission
8 assumptions when RTO scope is changed. If there is a
9 stronger link between the size of RTOs and market
10 efficiencies, generator and demand response, then the impact
11 of this type of change would be much, much larger, the
12 impact of smaller and larger RTOs. If we don't have that
13 linkage established, this is the sort of result you get.
14 There is still a benefit from having larger RTOs, but it's
15 not nearly as large as market efficiencies on their own.

16 (Slide.)

17 MR. TURNURE: Briefly on slide 43, a little bit
18 about RTO startup costs. I think to say that they're
19 uncertain is really the bottom line right now. And the
20 Commission may very well be able to improve the uncertainty
21 range with further research.

22 We developed a number of indicators for existing
23 ISOs with the information that's available to estimate how
24 you could compare them in cost terms and where you might

1 extrapolate to if you expanded ISOs and RTOs across the

1 country. We considered cost per installed megawatt of
2 generation, cost per megawatt hour of power generated, cost
3 per customer, cost per square mile of territory, cost per
4 network node, a number of different cost indicators.

5 Based on these indicators, we worked off the
6 model but in basically spreadsheet analysis to work up a set
7 of cost estimates using existing costs and extrapolating
8 those across the country. We ended up with an average low
9 cost estimate of \$1 billion for RTO establishment and a high
10 cost estimate of \$5.75 billion. These are of course one-
11 time costs, although you may imagine them being amortized or
12 paid over time, but they're not recurrent. They're
13 essentially one-time costs to be netted against the
14 recurring annual economic benefits of the RTOs once they are
15 established.

16 We made the assumption, just to touch on that
17 briefly, that operating costs for RTOs are a net wash.
18 They're neither a gain or a loss in this analysis, simply
19 because the relationship between potential saving from
20 consolidation of existing control areas and operations and
21 the potential need for increased functionality on the part
22 of RTOs is highly uncertain at the present time. And we
23 simply felt that we couldn't adequately or accurately
24 characterize one way or the other which of those would be

1 the greater influence.

1 (Slide.)

2 MR. TURNURE: So to conclude, slide 44, under
3 the analytic assumptions considered in this analysis, net
4 economic impact of RTO policy will be positive even if RTO
5 benefits are toward the low end of the range while the RTO
6 costs are at the high end.

7 If RTOs lead to improvements in market efficiency
8 and incentives for generator performance as modeled in these
9 cases, net benefits will total tens of billions of dollars
10 over time. Improved demand response would likely add to
11 these savings even further, resulting in 20-year savings of
12 over \$60 billion in that demand response case.

13 While there are production costs, net benefits to
14 RTO policy is analyzed here. The regional energy price
15 impacts vary. Most regions show price declines. A few
16 regions show small energy price increases, although these
17 tend to diminish over time. This in turn raises equity and
18 revenue distribution issues that go beyond the scope of this
19 study, because regions where local prices increase should
20 also realize gains in export revenues, a point which we can
21 elaborate on if you wish.

22 Changes in RTO scope is examined in the larger
23 RTO and smaller RTO cases can result in larger economic
24 benefits. The economic importance of RTO scope, however,

1 appears to be much smaller than the effects of improved

1 market efficiencies. Possible linkages between RTO scope
2 and market performance would make RTO scope and
3 configuration more important.

4 And there is a concluding slide on 45 on
5 uncertainties and further analyses.

6 (Slide.)

7 MR. TURNURE: This is just to make the point that
8 this range of potential costs and benefits is quite broad.
9 It may be possible to narrow this range of estimates with
10 further research and evidence. It's unlikely uncertainties
11 can be eliminated in this type of forecasting.

12 The most important uncertainties for this
13 analysis are the extent to which RTO will lead to improved
14 market performance and the need for extensive infrastructure
15 investments in order to establish RTOs. Better market
16 performance would increase the policy's benefits, while
17 reduced RTO infrastructure investments would minimize costs.

18 Regional variations in economic impacts appear to
19 be an important aspect of this regulatory policy. More
20 detailed regional analyses could be performed, including
21 more sensitivity analysis, to show how market fundamentals
22 and regulatory decisions can change regional impacts.

23 Similarly, further national level analysis could
24 suggest more detailed information about how RTO

1 configuration affects the results and allow for sensitivity

1 analysis of key modeling assumptions such as demand growth
2 and transmission availability.

3 And with those caveats, I will conclude. Thank
4 you very much.

5 CHAIRMAN WOOD: Thank you for that presentation
6 as well. One of the things that came out I guess at this
7 last page and also from my review of the study last night
8 was focus on the key assumptions. And the executive summary
9 of the study itself observed that several key assumptions
10 are actually conservative in the policy scenarios, and I
11 guess I wanted to explore with you all on the record some
12 more detail about the assumptions, and particularly in light
13 of what you laid out on page 45.

14 What exactly, in some more detail, would be the
15 type of assumptions that you chose to be conservative? What
16 would be an example of that?

17 MR. TURNURE: Well, Mr. Chairman, the term
18 "conservative" is of course somewhat subjective. One thing
19 that is noteworthy in this study was that given the
20 timeframe of it, we made a decision to stick with existing
21 analyses to the extent that we could. We are sticking very
22 close to some types of work that was done for national
23 studies before, both for the FERC and for the Department of
24 Energy. The Department of Energy has done studies of, for

1 example, the Comprehensive Electricity Competition Act a

1 couple of years ago. There are similarities and differences
2 in these studies, and some of that is discussed in the
3 report.

4 We tried not to go developing new types of
5 research and doing novel innovative approaches with the
6 model itself. If I were to pick an example of an assumption
7 where -- you can discuss whether it's conservative or not,
8 but it certainly fits within a field, a research field, it
9 would be the demand response approach that we have adopted
10 for this study.

11 As you can see from the study results, it's a
12 very important assumption. We describe this in some detail
13 in the report itself. We decided to make an assessment of
14 demand response across the country, region by region. And
15 the way we did that was by assuming, for example, that only
16 one half of customers would actually be in demand response
17 programs or be exposed to prices such that they would
18 respond. So it's only half of the customer base to start
19 off with.

20 Secondly, we applied a very small price
21 elasticity, price response of .1, which most analysts, most
22 economists would assess as a short-run price elasticity.
23 That is to say, longer-run price elasticities mean customers
24 have time to change their capital, change their appliances,

1 change their equipment, change how they do things, whereas a

1 short-run elasticity is strictly a behavioral response with
2 everything else fixed.

3 That gives you a demand reduction on the order of
4 3.5 percent. Now a 3.5 percent demand reduction under many
5 analyses that I've seen and can point you to is not a
6 difficult number to reach. If you want to call that
7 conservative, you can judge that for yourself. There are
8 other examples of this type. John, do you want to add
9 something?

10 MR. BLANEY: Yes. I would like to add that
11 another way in which the results of our study could be
12 construed as conservative by some is the fact that our
13 results show on average wholesale price decreases ranging
14 from 3.5 to 5 percent in the RTOs that we examined in 2010.
15 But we have not examined the sort of macroeconomic benefits
16 that could accrue from those price declines. And that's
17 another way I think because of the narrow scope of the study
18 that one construe the results --

19 CHAIRMAN WOOD: Like more jobs or more tax base,
20 et cetera?

21 MR. BLANEY: Exactly. Yes.

22 CHAIRMAN WOOD: On the other end, are there any
23 -- I hate to use the "L" word -- but are there any more
24 liberal assumptions that fit here that kind of on the other

1 end that may be a little on the high side?

1 MR. BLANEY: I think that the assumptions that
2 we've made here are consistent with previous FERC analyses
3 as well as other studies going back to FERC Order 888. And
4 so I think that in that case, the assumptions that we're
5 making are in that family, that mainstream of consistent
6 analysis.

7 COMMISSIONER MASSEY: When we issued Order number
8 2000, one of the benefits that it cited of large RTOs is the
9 reliability benefits. Did you focus on that at all in this
10 study, or was it simply the cost question?

11 MR. TURNURE: Well, it's an economic study, and
12 the scope of it was basically the economics. Of course,
13 reliability and economics are intertwined. And you can look
14 at that in a number of different respects. If you consider
15 the transmission efficiency assumptions that we made, some
16 of them are reliability related. In particular, the ability
17 of broader RTOs to more effectively share reserve capacity
18 and impacts on reserve margins, making reserve margin
19 requirements less because the regions are bigger, those are
20 effectively reliability savings. It costs you less to buy
21 the certain level of reliability that you're looking for.

22 We did not analyze line-specific and engineering
23 power flow types of reliability such as a very detailed look
24 at congestion management, for example. That was not in the

1 scope here. And in technical terms, it's possible you could

1 argue that if there is an outage, there is a cost to that
2 outage. And if you assume that you may avoid outages from
3 better reliability management, you could potentially have an
4 economic cost or benefit here that's not included.

5 This model, because it's long run, tends to not
6 look at very short-run interruptions of that sort.

7 COMMISSIONER BROWNELL: I have a couple of
8 questions. You talk about the costs and the range of
9 potential costs for startups. Would a standard market
10 design reduce those costs and bring some certainty?

11 MR. TURNURE: Well, the range of startup costs is
12 very broad because the experience of ISOs has been very
13 broad. Presumably, standard market design may narrow your
14 assessment of these costs, put you into a narrower range.
15 Where the infrastructure needs and the functionality comes
16 out will really dictate whether you're on the lower or the
17 higher end of that range ultimately. But presumably, if you
18 had a better road map for how the RTOs would be actually
19 putting their footprints down, you'd have a better sense of
20 the kinds of costs you'd be looking at. So, yes, certainly.

21 MR. MILLER: Excuse me for a second. I think one
22 of the things that I don't know that in doing an overview
23 that we mentioned was one of the assumptions -- and I think
24 Jim refers to it as market efficiencies -- that implies that

1 there is some form, and it doesn't sort of say what, but

1 there's some form of a standard market design so that you
2 allow for movement of power. That's sort of one of the key
3 underlying market efficiencies that you get. And it's an
4 assumption in the study, isn't that, Jim?

5 MR. TURNURE: Well, the model clears regional
6 markets as efficient pools, so that effectively does assume
7 that they're all operating in the same fashion, yes.

8 MR. WHITMORE: As I understand it, the estimates
9 of the costs here include all of the experience so far
10 including a lot of learning pains that people went through
11 in various parts of the country like California and so
12 forth. Presumably, both the standard market design and the
13 simple process of having learned what works and what doesn't
14 work and having some software that's already done and so on
15 and so forth, I would think would lead you toward the lower
16 end of the range, although I think Jim's exactly right, that
17 if you put in a great many requirements as to exactly how
18 the market has to work that we haven't thought of yet, for
19 example, that would add cost.

20 But as a general matter, with any of these things
21 where it's a new thing, costs would I would think tend to
22 come down over time.

23 COMMISSIONER BROWNELL: And we make no attempt to
24 really evaluate the efficiencies that you would get, as you

1 mentioned, from consolidating existing functions, which I

1 think was a pretty positive experience in Texas in ERCOT.

2 Let's talk about those areas where it looks as if
3 there are not obvious benefits. First let's talk about some
4 of the other impacts that you discussed in terms of greater
5 returns on exports, for example, and talk about the
6 transient nature in some of the areas, that it's a short-
7 term phenomenon.

8 MR. TURNURE: Well, what you see in some regions
9 is a race, if you will, between production cost savings and
10 exports of less expensive supply leading to some moderate
11 price increases in those regions. It just depends how that
12 region's supply happens to be configured.

13 And so I'll take the transient part first. It's
14 simply the case that in many regions over time, generator
15 savings and production cost savings dominate and overwhelm
16 those export effects and it just takes a few years for that
17 to occur. That's why the price increases go away in most
18 regions.

19 Even in the areas and the years when there are
20 price increases, it's important to keep in mind that these
21 regions are all experiencing production cost declines. And
22 what is going on is that they're exporting power to a higher
23 cost region and therefore realizing the revenues from that
24 coming back.

1

Now some analyses, some economics would argue

1 that that is a simple producer-consumer surplus situation.
2 Either the consumers get it or the producers get it. That's
3 not necessarily the case in complicated regulatory
4 industries that are in transition. We would prefer to think
5 of it as earnings, earnings, if you want to call it beta or
6 some other technical earnings term.

7 What happens to earnings once they get to the
8 generators is not clear. There are a number of aspects to
9 this. One is economic development, employment-type aspects
10 in the region, which would presumably be of benefit to that
11 region. Another is taxes. Presumably there are tax
12 benefits that accrue to the region as well. And thirdly,
13 there may very well be equity or revenue distribution of the
14 earnings, particularly if it's a vertically integrated
15 system. That of course is more of a state matter at the
16 present time.

17 So there are a lot of different aspects of that,
18 and to trace through all those revenue flows will require
19 considerably more effort than we've had time to do here, and
20 it operates at such a detailed level and such a regional
21 level that it was considerably beyond the scope of this
22 exercise. But conceptually, those are the sorts of issues
23 you'd want to consider if you're in a situation like that.

24

1 COMMISSIONER BREATHITT: I have a couple of
2 questions. One is focused around a figure that was stated
3 at the end of the presentation, that by the year 2010, it's
4 likely that there may be three-and-a-half to five percent
5 savings in wholesale prices.

6 Can any of the results or data be extrapolated
7 down to retail customer savings? I know this is focused on
8 RTOs and the wholesale side but can some people who are more
9 used to reading through these reports and assumptions more
10 than I am be able to take this further to say what it means
11 to the retail level?

12 MR. TURNURE: Well, it's a type of analysis that
13 I've seen done a few times. The Energy Department's
14 analyses, because they're more focused on retail
15 competition, try to take things down to the retail level and
16 have that kind of price impact. There's a number of
17 complicating factors if you start looking at the data on
18 who's getting what kind of prices. The short answer is, it
19 would be a bit of a struggle to do it, and I would be
20 tempted to leave it as an exercise for FERC Staff.

21 (Laughter.)

22 MR. MILLER: Thanks a bunch, Jim. I really
23 appreciate that.

24 (Laughter.)

1

COMMISSIONER BREATHITT: So what we need to do is

1 look at this purely as the results from savings and costs
2 associated with merging markets and going to larger RTOs?

3 MR. TURNURE: There's a number of other aspects
4 of competition policy if you want to put it that way. This
5 is designed as an analysis of wholesale impacts of RTO
6 policy, as the Commission has described it, and that's the
7 scope of this analysis. We were trying very hard to stay
8 within that scope and to put that in perspective. So I
9 think that it's just up to everyone else now to take the
10 results and make their own judgments.

11 COMMISSIONER BREATHITT: And take from it. Well,
12 that leads me to another question I have which is, why would
13 it be important to understand. I come from a coal region.
14 Why is it important to understand the coal and gas part of
15 this study that you described earlier?

16 MR. BLANEY: I think it's because in today's
17 market, the coal/natural gas markets, as well as the
18 electric market, and even more so with the environmental
19 markets, air regulations, those marketplaces are converging.
20 We don't believe that you can look at the wholesale power
21 market in isolation without understanding how the coal
22 markets function because the principal variable cost
23 component of electric generation is fuel. So we believe you
24 have to have an integrated perspective on coal markets,

1 natural gas markets, wholesale power markets, as well as

1 environmental regulations in order to do this kind of
2 analysis.

3 COMMISSIONER BREATHITT: It even included
4 representation on coal supply/demand and transportation.
5 How do you get the coal to the power plant.

6 MR. BLANEY: Yes. The costs associated with that
7 as well. Every coal plant in the model is assigned to one
8 of 41 different coal demand regions which are distinguished
9 not only by location but by mode of delivery, so we're doing
10 a very careful job of that.

11 COMMISSIONER BREATHITT: So all that was factored
12 in at 3.5 to 5 percent potential savings by 2010?

13 MR. BLANEY: Yes, Commissioner.

14 MR. MERONEY: I'd like to point out, Commissioner
15 Breathitt, that that question is right on point for these
16 people. Your state of Kentucky is probably represented in
17 this model in order to be able to show the big differences
18 in the way coal works in eastern Kentucky and the way it
19 works in western Kentucky. So we're bringing these kinds of
20 key details into this analysis.

21 COMMISSIONER BREATHITT: I have one short final
22 question. You probably have more. On page 34, you talked
23 of -- not the report but the summary -- the transmission-
24 only case showed under a one percent savings from the base

1 case. You mentioned that the production cost savings are

1 lower with transmission-only. What would production cost
2 savings be with transmission-only? Would it be maintenance
3 or upgrading a line to produce production?

4 MR. TURNURE: It's actually the ability of the
5 model to share capacity and reserve margins and that sort of
6 thing. It can be the case that if a region in the base case
7 would need to build a unit, a new generator to meet its
8 reserve requirements, if it can share better across the grid
9 because of the transmission improvements, it may be able to
10 defer that unit and save the capital costs associated with
11 it. There are some other effects too involving the
12 interregional trading.

13 MR. BLANEY: You also have in that case the
14 assumption of the removal of the barriers that exist today
15 towards free and open access to the transmission system, and
16 so you see power flowing from low cost regions to high cost
17 regions that would make sense on an economic basis that is
18 not occurring today.

19 COMMISSIONER BREATHITT: The savings in the
20 transmission and generation cases are much larger, so I was
21 just interested if the transmission-only scenario was a
22 smaller component of the savings?

23 MR. BLANEY: Yes. That stems from the results of
24 our study. In the transmission and generation case, we are

1 positing, as the Commission has, that these transmission

1 improvements, this opening up of the transmission system,
2 provides stimulus to the generators to be more efficient in
3 their production of electricity which then leads to lower
4 cost improvement in the efficiency the heat rates of the
5 units, as well as improvements in their availability.

6 CHAIRMAN WOOD: Buddy, if Marilyn or Michael are
7 on the phone, if you all want to pipe in or Commissioner
8 Atkins or my colleagues or Staff, this is the open forum.

9 COMMISSIONER MASSEY: I have a question. I'll
10 pose it later because I want some of the state commissioners
11 to have an opportunity to comment here, but it's going to
12 relate to TVA and where they fit in this study. Let me just
13 defer that for now.

14 MR. ATKINS: Mr. Chairman, thank you. I did want
15 to go I guess on the summary of the output. I think it's
16 page 23 although I had some of the pages were messed up.
17 But placing model results in context, in particular the
18 third bullet there, the main relevant cost not directly
19 estimated by the model or for incremental transmission
20 investments in transmission operations, and those were
21 estimated separately. And we know, I guess, or at least I
22 do, having the advantage of sitting in with you folks on the
23 advisory group, that the optimization routine still with the
24 generation component, then you add on the transmission to

1 that. Given that, I'm wondering if you can go to your

1 report, and on page 36 of the report, down near the bottom
2 where it talks about policy scenario specification, and in
3 particular transmission transfer capability expansion,
4 trying to tie all this into the idea of transfer capacity,
5 did the modeling that you all conducted within IPM include
6 considerations of native load? In other words, if we can
7 include native load considerations, those simultaneous or
8 non-simultaneous, whichever scenario you look at, transfer
9 capabilities between regions can become much lower than
10 either the total or the actual.

11 How do you -- Jim, if you could just talk about
12 that a little bit, and then how you got to some of these
13 conclusions since this is an RTO study, and given that the
14 outcome of just the RTO-only shows less than one percent
15 benefit.

16 MR. TURNURE: The role of native load in
17 contracts is a very problematic area for this type of
18 modeling. Essentially you have to make some judgments or
19 assumptions about whether or not native load or contract
20 terms or treatment makes the dispatch of a region less
21 efficient. If it doesn't, then you can run a model like
22 this that can clear using efficient dispatch as a pool, and
23 you get the same result.

24 If you think that native load and contract

1 requirements are doing things to dispatch that are different

1 than the least cost result would be, then you have to do
2 something about it in the model by changing assumptions.
3 Now we have sometimes done that. We often do it with
4 contract requirement generators, you know, PURPA
5 requirements type contracts for instance, that actually
6 require certain generators to run.

7 Doing it for native load on a broad scale,
8 however, we typically don't do -- we would need to have some
9 reason to do that, some direction, some particulars. It's
10 an issue which was raised by a number of commissioners at
11 the state level. Their concerns were typically about
12 reserving their low cost generation for native load use.
13 That gets you right back to the same problem which is does a
14 native load restriction of that sort really interfere with
15 efficient dispatch, or doesn't it?

16 We considered a few ways to model that and I can
17 discuss that with you now or off-line or whenever, but it
18 gets very complex. You have to do things like add sets of
19 dummy regions over the existing regions to put the
20 restricted units in there and keep them from playing on the
21 export market. That leads to inconsistencies between runs.
22 So we had a hard time with that.

23 MR. ATKINS: I guess in general just looking at I
24 guess it's page 34, but the various cases looking out 2010

1 or 2020, it would seem that the RTO is trivial and

1 unimportant, and it would seem what was important would be
2 generation efficiency and demand response. Is that unfair?

3 MR. MILLER: That's one of the reasons why the
4 FERC policy in the study is the sort of lead on this. It's
5 the presumption in both Order 888 and Order 2000 and all
6 FERC policy that efficient operation of the grid and the
7 ability for all generation to play in terms of non-
8 discriminatory open access leads to more competition. If
9 you have access to more markets, then you're competing
10 against more generation, and as a consequence, you have an
11 incentive to lower your costs so it feeds off of the
12 presumptions, and that's why we lead off with all the FERC
13 policy statements on that.

14 MR. ATKINS: Let me ask one more question, and
15 that'll be all. Just again for reference, when I have a
16 demand scenario in an aggregated area, whether it's a NERC
17 subregion or a whole regional RTO. In order to meet that
18 demand, I'm going to place generation there that's least
19 cost, and then any residual or leftover would be exported.
20 So I'm going to meet my aggregated area's demand first, as a
21 priority. It seems like getting back to some of the initial
22 scenarios and assumptions is key to making sure that we
23 understand.

24 MR. TURNURE: I think John or I could actually

1 address that. The model is trying to minimize costs across

1 the entire system. So each region has to meet its
2 requirements. But it may have other resources available
3 from outside its region. In that case, it may be more
4 economic to not build a unit in your own region but rather
5 to rely upon some existing capacity outside the region.
6 Over a long period of time in a model like this, what
7 dictates the way people build has to do with things like gas
8 transportation. It may be cheaper to build a combined cycle
9 plant in the next region over because the gas is much
10 cheaper for pipeline reasons, and then ship the power
11 across. There are some variations like that that go on
12 here. Every region does need to meet its own requirements,
13 though, but the model is not optimizing each region as a
14 separate little decision agent, if you see what I'm saying;
15 it's optimizing the whole system.

16 MR. ATKINS: Thank you.

17 CHAIRMAN WOOD: Let me follow up on that. In the
18 three scenario versus the smaller and the larger, and I
19 guess the base had five, right, so you've got three, five
20 and nine, with not a lot of spread between them. What does
21 explain the little bit of spread that there is? Is it that
22 you're optimizing within a larger region first? To follow
23 up on Buddy's question, that in the three, you're optimizing
24 within the whole eastern interconnect?

1

MR. BLANEY: In doing that, Chairman, we are

1 assuming that within an RTO, there are no transmission
2 inefficiencies or charges over and above tariff that would
3 be required to move power within the RTO and so you're able
4 to more fully optimize the generation of power to meet
5 demand across that whole RTO area subject to the
6 transmission capacities that link the physical system
7 together.

8 CHAIRMAN WOOD: So the reason why the nine is a
9 little bit higher than the five or the three is because of
10 some rate pancaking for transmission?

11 MR. BLANEY: Yes, that's one of the factors, yes.

12 CHAIRMAN WOOD: What would other ones be? Would
13 that be the main one?

14 MR. BLANEY: That would be the main one, yes.

15 MR. MILLER: And that's based on the assumption
16 that all the benefits in the smaller or larger scenario are
17 transmission-only benefits. If you make the assumptions
18 that they also will lead to other market efficiencies,
19 there'll be other benefits.

20 CHAIRMAN WOOD: That's consistent.

21 MR. MERONEY: Just to follow up on that, it's
22 probably clear but it basically means that your reference
23 point for two or three hundred million dollars of benefit
24 related to larger rather than smaller RTOs should be the

1 benefits that you see in the transmission-only scenarios, so

1 it's two or three hundred versus seven or eight hundred
2 million rather than five billion. So in relative terms, the
3 impact of size is not as small as it might appear at first
4 glance.

5 CHAIRMAN WOOD: Folks joining us on the phone, if
6 you all want to pitch in anything. You all still there?
7 Marilyn? Michael?

8 MR. MILLER: While we're waiting on that,
9 Commissioner Massey on one of your points?

10 COMMISSIONER MASSEY: I notice on page 25 that
11 your base assumption is five RTOs. I notice that you have
12 TVA in the southeast RTO. Also your study showed that
13 there's going to be a lot of power flowing to the southeast
14 through TVA. I'm wondering, I'd just like to have any
15 comment you'd like to make on where TVA fits in this scheme,
16 how important is it for TVA to be in the RTO? Don't a lot
17 of these power flows come through TVA? What if TVA isn't
18 operated as an open access RTO-type system, what happens?

19 MR. TURNURE: I would just comment on some of the
20 results and some of the effects that we saw when we allowed
21 the flows to optimize in the southeast particularly. You're
22 quite correct. Again, there are transmission flow maps in
23 the study for this very reason. There's a fair amount of
24 power routed through that region. It's not the only route

1 that power takes down to the south, it also routes through

1 Duke and Entergy and other places. But you know, TVA, if
2 it's available for a throughway is something that the
3 economics would dictate would be used. Where that fits in
4 the policy context is of course not our responsibility per
5 se. You could do more regional work. You could reconfigure
6 these RTOs and take a look at what happens if TVA is or is
7 not as available as it is in this case in which it is
8 available. That's the kind of follow-up work and more
9 detailed work that could inform some of these discussions.

10 I'm not sure if Staff has any comments on that.

11 MR. MILLER: I think it's important to think
12 about the way that we see power flows today. For whatever
13 reason, TVA is a fairly difficult path to get through, and
14 what you see is that power will still try to get to the
15 south and to Florida. It will just have more difficulty
16 getting there which could lead some reduction in benefits.
17 Having TVA out would definitely be a net loss, I think, but
18 we'd have to do some more analysis to really quantify that.

19 COMMISSIONER MASSEY: So we don't know what level
20 of that loss it would be until we have more analysis on
21 that?

22 MR. MILLER: No, sir.

23 COMMISSIONER BREATHITT: By TVA out, do you mean
24 out of an RTO?

1

MR. MILLER: Right, operated the way it is today.

1 MR. CUPINA: Mr. Chairman, may I ask a question.
2 Jim, in what you described as initial, non-recurring start-
3 up costs, \$1 to \$5 billion I think, what are the components
4 of those costs? Are they mainly software and organizational
5 type costs, or are they also additional transmission
6 capacity?

7 MR. TURNURE: The components of RTO start-up
8 costs that we were looking at are actually kind of a
9 different category mostly. There are logistical,
10 operational, labor, and software sorts of costs, but rather
11 than transmission infrastructure, a large cost category you
12 run into is other kinds of infrastructure, essentially
13 communication infrastructure. Control rooms, do you build
14 one or not? A new one? Do you replace your existing
15 control areas with a new, dedicated operating center? And
16 what kind of communication infrastructure do you need to get
17 the computers and the commands out to the power plants that
18 you're controlling from there, i.e., do you lay in
19 dedicated fiber optic, do you use existing phone lines, that
20 kind of thing. That infrastructure, hard physical
21 infrastructure is a real big driver.

22 CHAIRMAN WOOD: Ed, do you want to talk about the
23 next steps?

24 MR. MEYERS: Thank you, Mr. Chairman. Today's of

1 course the first opportunity to discuss the cost benefit

1 report. There are many more sessions to be held down the
2 road. For example, between March 4th and 15th, we will be
3 holding regional teleconferences for every region with the
4 states on the cost benefit study. This will give the state
5 commissioners a full opportunity to explore all the issues
6 and the consultants ICF will be in on those calls.

7 There will be similar teleconferences with the
8 other parties as well. Of course, for these
9 teleconferences, we will be following all the noticing and
10 transcription procedures as outlined in the November 9th
11 FERC Order. There will be a formal comment and reply
12 comment period to be announced today, and also down the road
13 we will be holding regional panels. These are the
14 state/federal regional panels established by the FERC.
15 These will be out in the regions in the spring and the
16 summer and needless to say these cost benefit results will
17 be very much the topic of these regional panel meetings,
18 along with many other issues. So this is the first day of
19 many.

20 COMMISSIONER BROWNELL: I'd just like to add our
21 thanks to the consultants and the Staff who worked under
22 some grueling deadlines, and probably would have done a
23 whole lot more had we given them time. I think this report
24 provides a great platform for us to have an informed and

1 rational debate about where we need to go, and while there

1 may be further questions, and I certainly look forward to
2 working with our state colleagues and others in the
3 industry, I think we have a terrific start here, and one of
4 I think the enormously positive aspects of this is a
5 confirmation of what we heard during RTO week, and that is
6 demand side management must be part of our market as we move
7 forward. This simply is good evidence that supports what I
8 think almost one hundred percent of the participants in our
9 RTO sessions have said, so a great start, a great platform.
10 I look forward to a really informed dialogue going forward
11 and perhaps more questions, but it's great to have this.

12 Thank you.

13 CHAIRMAN WOOD: I want to add to that. I look
14 forward to digesting the report that we got yesterday in
15 more detail but appreciate the time and effort you all spent
16 today and certainly throughout the process, I would say I
17 think I share on particularly the demand response issue I
18 guess in my mind, that was kind of a big unexpected I think
19 you expected it would have been better than not being there
20 at all. But I think what I would agree is a relatively
21 modest assumption, how that plays through in the numbers and
22 allows for local demand or load to respond to the market
23 signal, not an outrageously high market signal but just a
24 traditional market signal of normal peak summer days is

1 pretty noticeable. It was a good 50 percent more savings

1 than the base case of transmission plus generation dispatch
2 in the 2010 scenario which was kind of what I looked at.
3 Once it's all in and operating, what do we talk about as far
4 as benefits here. So I was intrigued by that finding and
5 look forward to seeing if there are parties out there that
6 think it was either too conservative or not conservative
7 enough because that one, from our session that we had on the
8 14th, with the DOE co-sponsorship on demand response,
9 participation in the market seems to me to be an unmined
10 gold mine for customers and I sure liked seeing that.

11 I think the generation case, as I think Buddy was
12 asking through some of his questions, is certainly one I
13 want to understand better what the difference between the
14 stripped down and the middle case was, those generation
15 efficiencies, those are achievable. I think we'd like to
16 test that but those are the two things that I plan to spend
17 the bulk of my focus on as well as any issues that parties
18 may raise during the vetting process that Ed laid out.

19 I certainly want to make sure that despite my
20 personal belief that RTOs are good, I think we've got to
21 base our further decisions on a good record and I think
22 today was definitely a good start on that and I know parties
23 on both sides of these issues are anxious to either get
24 going or go somewhere else. But I think we are committed to

1 doing this in the right manner. I do appreciate, and I

1 remember so clearly back from October when a lot of our
2 colleagues, and Buddy I think you were in the audience
3 taking it all in, and that's when you and I first met, but
4 in October when our colleagues were saying, look, do this
5 based on the record, you haven't been at the state level,
6 everything that you do gets based on the record because
7 courts are going to review it anyway. That was a real sound
8 piece of advice. I'm glad we took it and I hope we continue
9 to work in a collaborative manner to pull these together,
10 but it will take a little bit longer than just rushing
11 through, but I'd rather be right than fast.

12 Thank you for helping us in our effort to be
13 right.

14 COMMISSIONER MASSEY: If I could just comment as
15 well and wrap up, I appreciate that this is a conservative
16 study; it doesn't look at the world through rose colored RTO
17 glasses. There are overall benefits but you're careful to
18 point out that there are slight price increases in some
19 regions. Some of these are temporary but you don't gloss
20 that over at all. I think this is a very credible effort to
21 put some numbers on our RTO policy and I thank you.

22 COMMISSIONER BREATHITT: I do agree with
23 everything my colleagues have said. For me, this is the
24 first blush and I appreciate the summary and your walking us

1 through that. I think it will unfold in the next months to

1 come and I look forward to hearing how everyone analyzes
2 this for themselves and the nuggets that they take from it.
3 It certainly was a good idea when the state commissioners,
4 at our first RTO week, asked us to undertake this
5 assignment. We've got some NARUC folks on the front row, so
6 I look forward to having the benefit of a lot of collective
7 thinking and also going into this in detail for myself as
8 well. Thank you.

9 CHAIRMAN WOOD: Okey doke. Thank you all very
10 much.

11 (Pause.)

12 SECRETARY SALAS: Mr. Chairman, Commissioners,
13 the next item on your discussion agenda this morning, we
14 will consider together, E-1 Boston Edison Company and E-14
15 New York Independent System Operator, Inc. The presenters
16 this morning for these items, John Rogers with Sateev
17 Jagtiani, Sarah McWane and Helen Manacke.

18 MR. ROGERS: Good morning, Mr. Chairman,
19 Commissioners. E-1 accepts for filing Boston Edison
20 Company's unexecuted interconnection agreement with IDC
21 Bellingham. The Order finds that the agreement
22 substantially complies with Boston Edison's recently
23 accepted standard interconnection agreement on the issue of
24 cost allocation for system upgrades. The order affirms the

1 50/50 cost allocation between the parties.

1 E-14 accepts for filing, subject to modification,
2 the New York ISO's revisions to its interconnection cost
3 allocation rules under its open access transmission tariff.
4 The rules allocate cost responsibility for system upgrades
5 necessary to interconnect new generation and merchant
6 transmission projects. Thank you.

7 CHAIRMAN WOOD: Thank you. The reason I wanted
8 to call these together is, as you know, since I've been here
9 I've been pretty interested in this new generator
10 interconnection cost issue. These two cases I think
11 probably more clearly than any others juxtapose the fact
12 that we've got a policy that we developed in I believe it
13 was Consumers Power that I think you all voted on right
14 before Nora and I got here. Then we talked about the
15 interest issues and other things like that. But the core
16 issue that a generator would pay the system upgrade costs as
17 well as the local interconnection costs, but would receive
18 over some future years a full transmission credit for what
19 he paid for those system upgrade costs as being the standard
20 policy. I think that was certainly something that I came
21 around to and got pretty comfortable with as being to me
22 sufficiently incentivizing for generators to locate in
23 various parts of the country, although admittedly maybe not
24 locate in the ideal smartest spot, but at least to locate in

1 the first place.

1 Since that time, since we've looked more and more
2 at some of these contracts that are coming up from the more
3 organized markets in New York and New England, which are
4 before us today, and I also understand in PJM we've got that
5 as well, is they have taken, because they started earlier, a
6 different approach toward allocating these costs. I know in
7 the discussions that fell out from the ANOPR process that
8 led to a standard interconnection agreement that I believe
9 we'll be publishing soon for comment as a final rule, that
10 some of the cost allocation issues do vary across the
11 country. These are two here, I'm fine with these orders. I
12 just wanted to say on the record that as I guess the most
13 pig-headed one on the existing policy, if there are better
14 ways to do it that address regional needs, which these two
15 orders encompass, maybe not better ways but this is a way
16 that has been successful.

17 Certainly the increase in construction in New
18 England is quite noted by almost any observer. If there is
19 a way out there that might be different from the FERC policy
20 that we've incorporated in Consumers Power and its progeny
21 that might be better, I'm open to that. If there may be a
22 better fix for RTO West that's different than the one we've
23 got here in New York ISO, I would be open to that.

24 And I know, Bill, you and I spoke yesterday about

1 this, but certainly if that inconsistency causes some bad

1 investment or bad policy outcomes, I guess I would pull back
2 my enthusiasm for letting ten or 12 flowers bloom. I just
3 want to say on the record, if there are regional fixes here
4 that work, I won't run screaming from the room.

5 COMMISSIONER MASSEY: I might.

6 (Laughter.)

7 COMMISSIONER MASSEY: Wouldn't that be fun, wow!

8 I just wanted to have a dialogue with you on this because,
9 as someone who began to be a broken record about generator
10 interconnection standards a couple of years ago, and now
11 moving forward with standardization in that area has a lot
12 of traction here at the Commission and it's very likely that
13 we will finalize such a rule. And I think it will help end
14 any sort of interconnection ledger domain that may exist but
15 my concern with an approach that lets regional flowers bloom
16 on the cost allocation question is whether that might
17 somehow create some inefficiencies in the marketplace.
18 Whether generators might choose to locate in regions that
19 actually have the easiest cost allocation rules and whether
20 that's a good thing or a bad thing.

21 I sort of thought we were trying to get away from
22 that with the standardization process so that
23 interconnection decisions would be based more on the
24 economics of selling power in a particular region rather

1 than variations in interconnection policy. So I wanted to

1 raise that concern and say that I thought we were moving
2 toward more of a national policy with respect to both
3 interconnection standards, terms, and conditions, which we
4 are, and how to deal with the cost allocation question.

5 CHAIRMAN WOOD: According to our schedule, we
6 are, I just want to say here, I'm looking at the region,
7 particularly the Boston Edison one, looking at a region that
8 what certainly from my ERCOT glasses would not be as
9 generator friendly. Yet New England and ERCOT are the two
10 places where the most significant new power investment has
11 happened in the country in the recent few years.

12 I'm wondering is it really more a function of the
13 fact that you're competing against a bunch of unbundled
14 generation that might be the most attractive reason why a
15 generator would locate there, as opposed to a detailed
16 pricing policy? I'm open to being persuaded that. I tend
17 to think that it's hard for me to look at ERCOT and think,
18 okay, was it the fact that all the old rate-based generation
19 was cut free and sent out there to sink or swim based on how
20 efficient it is that made new generators come there, or was
21 it a very streamlined and standardized generation
22 interconnection policy, or both? Probably some part of
23 both.

24 New England similarly has unbundled a lot of

1 generation and it's out there to sink or swim on its own and

1 some new generators come up there knowing that they'll
2 actually have a fair shake and not have to be hobbled by one
3 foot being broken before they start the race. Did that have
4 a lot more do to with it than the pricing policy, or did the
5 pricing policy, was that kind of immaterial? I know they
6 moved from 50/50 to 100 percent now.

7 So I'm open to being persuaded on that but I
8 note, with interest, that we do have in some of these more
9 organized markets that we've looked at, as being wholesale
10 market leaders, that there is some difference from the
11 policy that at least up to now I thought was really a no-
12 brainer. If there's a case to be made why something other
13 than full revenue credits back to the customer works,
14 certainly we heard that from the PJM parties during the
15 ANOPR process. Well don't touch, don't trump our deal.

16 MR. LARCAMP: We didn't let them talk about
17 pricing at all. That was off the table. They tried on
18 several occasions. I think what this points out,
19 Commissioners, is where we have these organized markets, and
20 I'll state the obvious, where we have very good oversight
21 and cooperation with the state commissions that ultimately
22 many states are required to certificate siting decisions for
23 the generation facilities, if they are willing to move to
24 something different in the context of those RTOs.

1 Typically, I don't think staff is going to be

1 particularly troubled by that if that's been vetted.
2 Obviously, when those rules are proposed, if the state
3 commissions are dissatisfied, they will certainly let us
4 know what their position is on all of that. The way I
5 interpret that is if the regional oversight, the regional
6 issues are things that we can work in a cooperative fashion
7 with the states, and they're okay with it, absent the
8 identification really of some problem that sort of is
9 impacting the markets in general, it would be difficult for
10 me to see where Staff would have a problem with that.

11 COMMISSIONER MASSEY: Suppose, let me ask this
12 fundamental question. Suppose our standard market design
13 incorporates a locational marginal pricing feature which
14 essentially says that we want power to be incrementally
15 priced. That seems to me to state a certain philosophy
16 about the marketplace that we are trying to incorporate
17 through our standard market design. What if you had a
18 region that decided to socialize all interconnection costs
19 and blunt the price signal there, blunt the market signal by
20 socializing those costs?

21 It seems to me, I wonder whether that would be
22 fundamentally inconsistent with the concept of locational
23 marginal pricing, and if so, how we could have both say in
24 the same region? Would that be internally inconsistent?

1 Would that make any sense in terms of how the market

1 operated?

2 MR. LARCAMP: I agree that could be a problem,
3 Commissioner, but I want to see how the locality intended to
4 handle redispatch costs, for example. What you give up on
5 the front end you can pay on the other end if you will. I
6 think I'm just suggesting that certainly I think we should
7 be moving in favor of giving the correct price signals but I
8 think there is an awful lot of judgment involved in
9 calculating how much of an expansion is needed for a
10 particular generator as opposed to how much is needed for
11 sort of the general system improvement?

12 You know, I think to the extent that we make all
13 of our allocation decisions in one way or another tend to
14 blunt some of the signal in some respects and it will be a
15 judgment call. I just think that this is one that it does
16 not bode well, I don't think, for additional infrastructure
17 if we are not working in cooperation with the state citing
18 authorities that are necessary for the infrastructure
19 additions to be built.

20 MR. CANNON: And Commissioner, I tend to think of
21 these interconnection costs as being more sunk costs. You
22 can specifically assign them or you can roll them in. That
23 does have policy implications in terms of decisions as to
24 whether I want to site in this RTO or this RTO, but I don't

1 see it necessarily as tied to locational marginal cost

1 pricing, where that's focused more on the actual running
2 cost of that particular unit.

3 COMMISSIONER MASSEY: It's not tied to it but
4 there's a philosophy that underlies a locational marginal
5 pricing scheme which basically says markets operate best and
6 locational decisions are best made when there's an
7 incremental price signal that's available in the
8 marketplace. And so that seems to me to be such a
9 fundamental philosophy of where I hope we're headed on
10 market design, that it seems to me that other policies ought
11 to be consistent with that fundamental philosophy. So I
12 have an open mind. Pat and I talked about this yesterday
13 and he told me he was going to raise this issue, so my
14 colleagues were aware that I would raise these concerns and
15 we will continue to debate it. But I did want to make a
16 record that I think this question of how to allocate these
17 costs may have national policy implications. I may come out
18 in favor of a national policy on this point, rather than
19 regional policies.

20 CHAIRMAN WOOD: Are you thinking in light of that
21 the kind of philosophical equation to LMP that that kind of
22 argues for an assignment of network upgrade cost to the
23 generator?

24 COMMISSIONER MASSEY: It certainly moves in that

1 direction. I don't know whether it's all of the costs, part

1 of the costs. I think assigning none of the costs would be
2 fairly inconsistent with that policy, with the philosophical
3 concept of locational marginal pricing.

4 CHAIRMAN WOOD: I wouldn't disagree with that.

5 COMMISSIONER BREATHITT: I think there is such a
6 difference in the U.S. in terms of where production fields
7 are, where sources of the commodity is that power new units.
8 There's a lot of work being done on coal gasification that
9 there are significant differences in the country of
10 infrastructure and where sources of supply are, that I think
11 that that needs to be factored in on where power plants are
12 located and how they get power to market.

13 Power plants, the new power plants are built at
14 risk just like a lot of the new pipelines now are being
15 built at risk. There may be some areas where there become
16 gluts. I would hope that it's not because of how different
17 regions or states site power plants, or what the pricing
18 policies are for interconnecting, but I still think that
19 there are enough differences across the country with the
20 infrastructure that it might be wise to let some of the
21 thinking develop on how to price this. I know that
22 TransLink has done a white paper. There are other white
23 papers around on how to price new power plants and hooking
24 them up to the grid that I would like to have the benefit of

1 some more thinking before we become rigid and come up with

1 something that may not fit everywhere.

2 COMMISSIONER BROWNELL: Just a quick comment.

3 I'm glad actually the two of you raised this issue because I
4 think that it does have long-term implications and we really
5 need to get our arms around it. I'm inclined to agree with
6 Bill's focus that consistency is very, very important. At
7 the same time, I'm open to what might potentially be
8 regional differences, but I was reflecting on how wide the
9 regional differences were at the beginning of RTO week, and
10 how they have kind of narrowed as we've discussed the issues
11 around, for example, congestion management. So I think it
12 behooves the parties to come in and make a compelling case
13 that there are significant differences, and I wonder how
14 many variations on the theme the market can tolerate. So
15 I'm glad we've raised it, and I hope that we'll get some
16 really substantive input as we develop those because I think
17 it's a critical part of making the markets work. And I
18 think we've seen some implications of not having a
19 consistent policy.

20 CHAIRMAN WOOD: Let's vote.

21 COMMISSIONER MASSEY: Aye.

22 COMMISSIONER BREATHITT: Aye.

23 COMMISSIONER BROWNELL: Aye.

24 CHAIRMAN WOOD: Aye.

1

SECRETARY SALAS: The next item for discussion is

1 E-6 Central Illinois Light Company.

2 CHAIRMAN WOOD: I asked to call this separately
3 to make this one brief statement and save myself from
4 drafting a concurrence, but one of the issues that was set
5 for hearing here related to cost allocation. As a cost of
6 service guy, I wanted to point out that I have long had a
7 preference for corporate share or overhead or other outside
8 costs to be direct assigned as much as possible, and avoid
9 the use of labor allocators, rate-base allocators, or other
10 generic allocators. I know that's a deviation from FERC
11 policy, but as a former retail regulator, who saw an
12 increasing number of costs come through to over 40 percent
13 of revenue requirement costs through come through as
14 allocated costs from a merged parent, it became very
15 frustrating, particularly in light of PUCHA and Ohio Power
16 to basically have to take the allocation factors as a given
17 from the company and the SEC, who didn't really mind, but we
18 did at the retail level in preference to a direct
19 assignment.

20 I saw that issue being raised here in the
21 transmission rates and the ancillary service rates for this
22 company, and wanted to just state on the record that
23 although the Commission has had some recent case history on
24 cost allocation that is referred to in the Order, I

1 appreciate that my colleagues were willing to set that

1 particular issue for hearing and to allow the company to
2 make the case perhaps that the direct assignment is
3 preferable, so I look forward to seeing how that may come
4 out, and otherwise in all regards support the Order.

5 Vote.

6 COMMISSIONER MASSEY: Aye.

7 COMMISSIONER BREATHITT: Aye.

8 COMMISSIONER BROWNELL: Aye.

9 CHAIRMAN WOOD: Aye.

10 COMMISSIONER BROWNELL: Sorry, I'm concurring.

11 SECRETARY SALAS: The next item on the Agenda is
12 E-28 the New Power Company against the PJM. Commissioner
13 Brownell is recused. Presenters for this morning on this
14 item are Morris Margolis, Roland Wentworth, Michael
15 Goldenberg, Michael Bardee and Katherine Waldbauer.

16 MS. WALDBAURER: Good morning. In this Order,
17 the Commission denies a complaint filed by the New Power
18 Company against PJM. New Power is a load serving entity in
19 PJM, and it filed a complaint alleging that due to the
20 exercise of market power in PJM's capacity markets, prices
21 for capacity in PJM are unjust and unreasonable and unduly
22 discriminatory. New Power asked the Commission to a) order
23 refunds beginning 60 days after the filing of the complaint,
24 which would be starting September 17, 2001, and b) to order

1 PJM to eliminate its seasonal deficiency charge and revert

1 to its former daily deficiency charge.

2 For the most part, New Power relies on the events
3 of January, February and March 2001 as evidence of the
4 exercise of market power and PJM's capacity markets. PJM's
5 market monitoring unit recently issued a report finding that
6 market power was exercised in the capacity markets during
7 the first quarter of 2001, leading to non-competitive prices
8 during that quarter. The draft order agrees with that
9 conclusion.

10 After the first quarter of 2001, however, PJM
11 implemented two market fixes. As of May 4, 2001, PJM
12 changed the allocation of deficiency charge revenues so as
13 to create less of an incentive for capacity holders to
14 withhold capacity from the market.

15 Second, as of July 1, 2001, PJM implemented a
16 seasonal deficiency charge regime which first required
17 generators to commit their capacity to PJM on a seasonal
18 rather than a daily basis, and similarly established
19 penalties for LSCs on a seasonal rather than a daily basis,
20 making those penalties more deterrent.

21 Since July 2001, prices in PJM's capacity markets
22 have fallen to near zero and have remained there. New Power
23 has not demonstrated that prices in the capacity markets
24 since that time have been excessive or that discrimination

1 exists against new LSC entrants. The draft order therefore

1 denies New Power's request to order PJM to eliminate its
2 seasonal deficiency charge.

3 PJM is already conducting a review of its
4 capacity reserve markets and the broader issue of generation
5 adequacy is being addressed in the Commission's on-going
6 proceeding to develop a standard market design.

7 Finally, New Power also seeks refunds for alleged
8 overcharges but refunds would only be available from
9 September 17, 2001 onward, and since daily capacity prices
10 have been at or near zero from that time forward, no refunds
11 would be due for that period.

12 CHAIRMAN WOOD: Thank you for that. I have
13 nothing to add. I support the order.

14 COMMISSIONER MASSEY: I do have a question. I
15 think you said that the order agrees with the market monitor
16 that there was an exercise of market power during the first
17 three months of 2001?

18 MS. WALDBAUER: That's right.

19 COMMISSIONER MASSEY: But our order concludes
20 then that it is unlikely that there could be future
21 exercises of market power because the market the defective
22 market rules in the ICAP market have now been corrected.

23 MS. WALDBAUER: I don't know if we would go so
24 far as to say that all possible future exercises of market

1 power have now been prevented. Our view -- and people will

1 correct me if this is not our view -- is that what we saw in
2 the first quarter of 2001 those particular problems were the
3 result of these market design problems and those market
4 design problems were addressed. So that particular way of
5 exercising market power has now been taken care of.

6 Whether other ways of exercising market power
7 could arise, we're not saying anything at this point as to
8 that. But in terms of prices, the prices have been low
9 since July since the second market fix went into effect, so
10 at this point we are not inclined to take further steps.

11 COMMISSIONER MASSEY: Can someone articulate how
12 the market rules allowed market power to be exercised,
13 number one; and number two, how the market rules have been
14 corrected so that that kind of exercise of market power is
15 unlikely?

16 MS. WALDBAUER: The two things that happened that
17 led to what happened in the first quarter of 2001 were this.
18 First PJM had a regime where all of the deficiency charge
19 revenues were allocated to capacity holders who were long.
20 This created a scenario by which capacity holders
21 essentially had no incentive to sell or provide capacity to
22 the markets at lower prices because they knew they would
23 either get high prices up to the deficiency charge, or that
24 they would receive the deficiency charge revenues. PJM

1 changed this and changed the allocation so that now both

1 long capacity holders and compliant LSCs should share those
2 revenues. That was the first market fix.

3 The second market fix, prior to the second
4 change, capacity holders could list their generation
5 capacity as ICAP as reserve capacity in PJM, and could de-
6 list, basically on a day-by-day basis on days when capacity
7 holders wanted to sell to PJM or provide reserve capacity to
8 PJM, they could do that. On days when they wanted to sell
9 outside PJM, they could do that too. That created a lot of
10 volatility, a lot of uncertainty.

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1 PJM imposed a seasonal regime where now capacity
2 holders have to commit for an entire season to reserve
3 capacity members of PJM. So they must provide -- well, they
4 don't have to, but they basically won't share any deficiency
5 charge revenues if they don't. So they choose to provide
6 reserve capacity for an entire season.

7 And the other side of that is that LSCs also
8 basically are charged now, charged deficiency charges on a
9 seasonal rather than a daily basis, so there is more
10 incentive for LSCs to make long-term contractual
11 arrangements and ensure that they will be in a good position
12 in terms of meeting their reserve requirements.

13 COMMISSIONER MASSEY: Thank you. Well, let me
14 say that I support this order, even though we are rejecting
15 this complaint, I think the fact that it was brought to our
16 attention has been very valuable to me in understanding
17 capacity markets, how market power can be exercised in those
18 regimes and how the likelihood that market power can be
19 exercised can be eliminated, or not totally eliminated, but
20 it could decline substantially with good market rules. And
21 so I'm glad this was brought to our attention. It's really
22 been food for thought even though we deny the complaint.

23 There's one other point, and that is I think as I
24 recall the order says to the market monitor, we want you to

1 bring these matters to our attention sooner.

1 MS. WALDBAUER: That's correct.

2 COMMISSIONER MASSEY: And I think that is an
3 excellent addition to this order. If this had been brought
4 to our attention -- anytime there's market power exercised
5 and it can be brought to our attention quickly, it's much
6 more likely that we can deal with it and come up with a
7 timely remedy.

8 CHAIRMAN WOOD: I think as the language of the
9 order points out, we recognize that here the MMU acted in a
10 timely fashion by immediately upon observing an anomaly in
11 the capacity markets in January 2001 apprised PJM's
12 reliability of the problem and recommending tariff changes.
13 If the MMU similarly notifies the Commission of such
14 problems, we may be able to work with it and other affected
15 entities to resolve problems even sooner than that.

16 So I would hope that we would probably in pretty
17 short dispatch make that part of all the MMUs and not just
18 PJMs. But we'll deal with that in a different proceeding.
19 Thank you for pointing out that important aspect.

20 COMMISSIONER MASSEY: Aye.

21 COMMISSIONER BREATHITT: Aye.

22 CHAIRMAN WOOD: Aye.

23 SECRETARY SALAS: The next item on the agenda is
24 G-30, Standards for Business Practices of Interstate Natural

1 Gas Pipelines. And presenters for these items are Michael

1 Goldenberg and Kay Morice.

2 MR. GOLDENBERG: Well, now we're in the
3 afternoon, so. G-30 is a final rule that amends the
4 Commission's regulations to enhance the ability of releasing
5 shippers to recall capacity. The rule allows releasing
6 shippers to make full use of the four scheduling
7 opportunities that pipelines are required to provide. The
8 rule is also consistent with the overall goal of providing
9 shippers with the opportunities to reschedule gas flows to
10 meet their market needs.

11 The rule is going to be implemented in two
12 phases. By May 1, 2002, pipelines must make tariff filings
13 to be effective by July 1, 2002 that will allow shippers to
14 recall capacity at the evening nomination cycle and to
15 recall capacity that has not been scheduled by the
16 replacement shippers for use on that day.

17 Second, the rule provides the North American
18 Energy Standards Board with six months in which to develop
19 standards for flowing day or partial day recalls. Comments
20 on these standards are to be filed October 1, 2002 with
21 reply comments by October 15th, 2002. Thank you.

22 COMMISSIONER MASSEY: I had a couple of questions
23 about this. We have some parties in this case that -- in
24 this rulemaking that believe that this change will actually

1 undercut reliability and will damage liquidity in the

1 secondary market. Has Staff taken a close look at those
2 claims? And what is your view about those arguments?

3 MR. GOLDENBERG: The rule does examine those
4 claims, and the rule finds that when a releasing shipper
5 would include a partial day recall requirement in their
6 release offer that the replacement shipper knows that what
7 it's getting in that event is akin to interruptible service,
8 and the replacement shipper under the rule will be given the
9 same protection that the Commission has accorded to
10 interruptible shippers who may be bumped by firm
11 nominations. So the rule will provide that no replacement
12 shipper can be bumped unless they have an opportunity to
13 renominate that gas.

14 This was an issue the Commission originally
15 looked at in Order Number 587-G with respect to whether or
16 not we should allow inter-day nominations of firm service to
17 bump interruptible service. The Commission concluded in
18 that order that in order to give firm shippers all the
19 rights that they are entitled to under their capacity, they
20 needed to be given the right to bump interruptible shippers.
21 And in order to maintain some reliability in the system, we
22 wanted to make sure that the interruptible shippers would be
23 given the opportunity to renominate any capacity if that
24 capacity was bumped. So this rule provides the same

1 protection to the replacement shippers.

1 COMMISSIONER MASSEY: Okay. One fear -- I think
2 it's NYSOURCE expresses the fear that a domino effect might
3 be created in which recalling capacity away from one market
4 leaves another market scrambling to meet its customers
5 needs. What about this concern? Is this a legitimate
6 concern?

7 MR. GOLDENBERG: I think that the replacement
8 shippers, as the rule points out, have the opportunity to
9 protect themselves. If they don't want to enter into a
10 release that has a partial day recall requirement in it,
11 they don't have to. They can, for example, pay more money
12 to get a release that doesn't have this condition in it. So
13 the object of the rule is to make more releases available,
14 because a lot of the LDC comments in particular pointed out
15 that LDCs are today reluctant to release capacity at all
16 because if they can't recall that capacity when they are the
17 supplier of last resort -- excuse me. If the LDCs cannot
18 get the capacity back when they release it, they won't
19 release it at all.

20 Because under many of the state unbundling
21 initiatives, the LDCs are the suppliers of last resort. And
22 as a result, if, for example, one of their marketers fails
23 to provide gas on a particular day, they need to get their
24 capacity back in order to fulfill their supplier of last

1 resort obligation. And so the object of the rule is to make

1 more capacity available for release.

2 For replacement shippers who want more certainty,
3 there's no requirement in the rule that there must be a
4 partial day recall requirement. The releasing shippers, as
5 it has since Order Number 636, has the ability to structure
6 the release any way it wants. So if it wants to say there
7 will be no partial day recall and the replacement shipper is
8 willing to pay for that right, they are able to do that.

9 And so in this way the rule creates sort of a
10 fair market between the releasing shipper and the
11 replacement shipper, where the releasing shipper can place
12 whatever conditions it wants on the release, and the
13 replacement shipper can evaluate those conditions and
14 determine whether it wants to buy the capacity and what
15 price it wants to pay for it.

16 COMMISSIONER MASSEY: So your view would be that
17 this new policy would actually increase the liquidity in the
18 secondary market while affording a fair measure of
19 protection to shippers?

20 MR. GOLDENBERG: Yes, that's correct.

21 COMMISSIONER MASSEY: I'm for that. I wanted to
22 express these concerns for the record because they were
23 raised rather forcefully by some parties. But Staff has
24 answered these questions very well and on balance, I favor

1 this rule.

1 COMMISSIONER BREATHITT: Is that your vote?

2 COMMISSIONER MASSEY: And my vote is aye.

3 COMMISSIONER BREATHITT: Aye.

4 COMMISSIONER BROWNELL: Aye.

5 SECRETARY SALAS: The next item is in the
6 administrative agenda A-1, Agency Administrative Matters,
7 and is a report on the Commission's current reporting
8 requirements and future information needs. Presenting this
9 morning for A-1 is Darrell Blakeway and Julia Lake, with
10 Virginia Strasser and George Godding.

11 CHAIRMAN WOOD: While they're walking up, I
12 wanted to put in context here, back in September these fine
13 folks and others began to really catalog from a piece of
14 -- a clean slate what it is that Staff thinks we need in
15 the future world to really have good market information so
16 that we can oversee the markets, provide some comfort to
17 customers that the markets are working well, and also to
18 provide transparency for participants in those markets. And
19 that was a pretty formidable task that I know that at least
20 three prior chairmen have attempted to do.

21 And to make sure that we move forward on this
22 effort, I want today to put a stake in the sand with you
23 folks presenting what we're up to and kind of lay out for us
24 and for the public where we're going on market transparency

1 and a better grip on market oversight. So with that broad

1 intro, I'll let y'all take it away.

2 MR. BLAKEWAY: Mr. Chairman and Members of the
3 Commission, I'm Darrell Blakeway. You've stolen most of my
4 introduction already so I'll have to go from there.

5 (Laughter.)

6 MR. BLAKEWAY: To do this job, we were divided
7 into two teams. My team was working on the future
8 information needs and then Julie Lake's team was doing a
9 complete inventory of all of the Commission's current
10 reporting requirements, filing requirements, et cetera.

11 We do have a PowerPoint presentation to go with
12 this, and starting with the first slide.

13 (Slide.)

14 MR. BLAKEWAY: I think this project -- the Staff
15 has known this project needed to be done at least since FERC
16 First. People realized that we needed to figure out new
17 information sources in order to be able to engage in
18 effective market monitoring. But what's occurred in the
19 last couple of years in California probably gave this a
20 major impetus as well as the support from you and your
21 assistants. We realize we need to get on top of this
22 situation of the market changes before they get out of hand.

23 We considered the issue of looking at what the
24 Commission needs to know, what sort of information it had to

1 access as fundamental to the Commission being able to do its

1 job.

2 (Slide.)

3 MR. BLAKEWAY: So Slide 2 is just a quick
4 overview of what we've done so far and what we're calling
5 Phase I. Another team actually worked up, has reviewed FERC
6 Form 1, which is the annual reports for major electric
7 utilities, and they've made a number of recommendations to
8 OMB that will have the effect of reducing the burden of that
9 form and making it more efficient and rational and so forth.

10 And typically, that's the way the review of
11 Commission reporting requirements has been done in the past,
12 just a form every three years. What we were doing is trying
13 to look at the big picture and at one time look at all of
14 the requirements for both the gas and the electric
15 industries.

16 (Slide.)

17 MR. BLAKEWAY: Going to Slide 3 says what we
18 think needs to happen next which we're calling Phase II. We
19 have to look beyond sort of our initial draft to decide what
20 information is essential to meet the Commission's needs for
21 monitoring and regulating. And we need to streamline the
22 existing reporting requirements to make them more pertinent
23 and more focused and concise.

24 We also have to think about what information we

1 can get through third parties, because a lot of the

1 information we need is not necessary to be filed -- it
2 doesn't have to be filed with us. In many cases it
3 shouldn't be filed with us because we really don't have the
4 capacity to absorb it.

5 And then finally, having gone through that
6 process, we would initiate a rulemaking. Then Slide 4.

7 (Slide.)

8 MR. BLAKEWAY: Julia's team, as I said, has
9 looked all of the Commission's current reporting
10 requirements for electric, natural gas and oil pipelines
11 that are subject to our jurisdiction. And we don't think
12 that's ever been done before in anybody's memory.

13 Slide 5.

14 (Slide.)

15 MR. BLAKEWAY: Her team found 43 reporting
16 requirements and forms that relate specifically to the
17 electric natural gas pipeline and oil pipeline industries
18 and three that were generic reporting requirements that
19 apply across the board.

20 Slide 6.

21 (Slide.)

22 MR. BLAKEWAY: My team attempted to look at all
23 of the potential information the Commission may need to
24 carry out its statutory obligations in today's market,

1 today's changed and changing market. And as I said, from

1 this we want to pare down to what we think is essential and
2 also reconsider our draft report in terms of the specific
3 regulatory policies that you're currently working on now,
4 specifically the standard market design and other
5 initiatives. Because in a sense, we can't know specifically
6 what information the Commission needs until the Commission
7 determines what policies it wants to utilize.

8 Next we need to engage, we think we need to
9 engage the energy industry an the market participants, state
10 commissions, other agencies, consumer advocates and so forth
11 in identifying what information is most essential to enable
12 the Commission to bring confidence in the stability and the
13 fairness of the energy markets.

14 Slide 7.

15 (Slide.)

16 MR. BLAKEWAY: We started this project by looking
17 at the Commission's strategic plan, the element to foster
18 nationwide competitive energy markets and to protect
19 customers and market participants through this oversight of
20 the changing energy markets.

21 I don't want to overstate what we've accomplished
22 at this point because we've just taken the first steps.
23 They are necessary steps. But the most difficult part is
24 still ahead, and that's to engage the industry and the

1 market participants in a dialogue on this issue and

1 determine how the Commission's energy needs can be met
2 without unduly burdening reporting entities.

3 Slide 8.

4 (Slide.)

5 MR. BLAKEWAY: Now this slide presents both on
6 the gas and the electric side so that the major topics or
7 the major categories of information needs. Look at the top
8 two items. Absolutely everyone we talked to agreed that the
9 Commission needs to have timely and accurate information
10 about the state of supply and demand because of the effects
11 they have on prices in a competitive market.

12 And just to take you a little further down into
13 the detail of our draft report, although it's not shown on
14 the slide, if you look under the heading Regional and
15 National Demand for Electricity, we've listed several items
16 which are quite different from what we've listed for the
17 demand for gas. So under electricity, for example, we need
18 to know peak demand for summer, winter, annual and record
19 peaks. We need to know demand for power-related ancillary
20 services. We need to know information about load pocket
21 demand, including ISOs and RTO loads, zonal loads, and some
22 even bus-specific loads. We also need information about
23 interruptible demand and the load management programs.

24 Then on the gas side under the same heading of

1 demand information, we need to know the actual and relative

1 use of pipelines and storage fields on a daily and annual
2 basis. We need to know customer demand for transportation
3 and storage services. We need to know prices for gas,
4 including spot and forward prices as well as pipeline
5 transportation rates.

6 Now just to take you down one level deeper into
7 our draft, if you were to look at what we call the
8 electricity data catalog at page 6 under the heading Peak
9 Demand: Summer, Winter, Annual and Record Peaks, we have
10 five data elements. The last one being NERC, RTO regions,
11 coincident peak demand, stated in megawatts, combining the
12 individual demands of control areas. And the catalog notes
13 that possible sources of that information are the NERC and
14 RTO annual reliability assessments and EIA Form 411. So
15 that's the level of specificity that we've gotten to at this
16 point.

17 Let's go to Slide 9, which we're calling Policy
18 Challenges.

19 (Slide.)

20 MR. BLAKEWAY: These are some of the issues that
21 we think will come up. We want to continue to explore
22 possibilities of accessing information through public Web
23 sites, as we do now to a very large extent, and reports of
24 organizations that already collect energy data, such as

1 ISOs, state commissions, commercial energy information

1 sources, reliability councils, trade associations. But the
2 ISOs, for example, the ISO monitors have suggested to us
3 that we may need to authorize their ability to access
4 information that they need. It may need to be supported by
5 Commission regulation and be subject to our own compliance
6 mechanisms. So that would be an issue.

7 We think that those that manage the
8 transportation and the transmission infrastructure will need
9 to maintain the data on those transactions for some period
10 of time in a format that can be quickly and easily accessed
11 so that the Commission can get to that information as it
12 needs to investigate anomalies. We wouldn't want to be
13 receive information on billions of transactions, but we
14 would like for it to be available in some standard format.

15 Now we get into this issue of what information is
16 to remain confidential in order to protect the reporting
17 enemies -- entities --

18 (Laughter.)

19 MR. BLAKEWAY: Reporting entities from
20 competitive harm.

21 (Laughter.)

22 CHAIRMAN WOOD: Feed the man some lunch.

23 (Laughter.)

24 MR. BLAKEWAY: So there's the issue of

1 confidentiality. But then there's also the information on

1 what should be available to all market participants and the
2 public in order to provide for efficiency and fairness in
3 the transparent market.

4 So then another policy concern, you have to weigh
5 the burden. You have to weigh the public interest in having
6 access to information against the costs of the burden. And
7 these issues may be contentious and difficult.

8 (Slide.)

9 MR. BLAKEWAY: And Slide 10 is sort of where do
10 we go from here. We think we need to coordinate our own
11 revisions to reporting requirements with other agencies that
12 are currently looking at their regulatory policies. We have
13 had contact already with an EIA team that's reviewing its
14 gas filing requirements, but I think we also need to talk to
15 the SEC, the Commodities Futures Trading Commission, the
16 FTC, and the Department of Justice so that we're --

17 The part that Julie has worked on, we want to
18 take the information we have now and develop it into a
19 searchable database so that it will be easy to find all
20 reporting requirements on a particular topic and make it
21 easy to compare and so forth. And then we want to begin a
22 dialogue with the affected market participants, including
23 state commissioners and the consumer representatives.

24 And I would think the model is the model you used

1 for the standard market design to have workshops, outreach

1 programs, possibly put -- when we have this draft perfected
2 a little bit, put it on a Web site for comment. I think you
3 can go to the industry and tell them you know what the
4 problems in the energy markets have been and you know the
5 Commission has to take effective steps to prevent a
6 recurrence of these problems. So please tell us what
7 information we should have to enable us to ensure confidence
8 in the stability and the fairness of those markets. Given
9 the recent crisis in the energy markets, all of the market
10 participants should welcome these discussions.

11 Questions or comments?

12 CHAIRMAN WOOD: As do I welcome them. I
13 appreciate y'all's diligence in preparing the data catalog
14 and reviewing what we've got today so we don't -- there is
15 probably going to be things that we no longer need to
16 collect, that we need to just kind of send up the river, but
17 the other things that we do need, and I appreciate y'all's
18 sensitivity toward the fact that other agencies may already
19 be getting this or other agencies may want to work with that
20 and strongly encourage that effort. But just want to say
21 certainly from my perspective, this is the first tier
22 project at our Commission, and I appreciate such a stellar
23 team on it. Look forward to finishing up page 10.

24 COMMISSIONER BROWNELL: I'd like to give them all

1 the resources they need to get this done quickly, because I

1 think the last point you made in terms of the importance of
2 rebuilding confidence of all the participants in the market
3 is in everybody's best interest.

4 I would like to simply make two points. I think
5 it's great and important to be conferring with the other
6 agencies to see who's collecting what. I'd also like to see
7 us perhaps work towards some consensus among the agencies
8 about collecting information in a format that allows all of
9 us to use it, slice and dice it the way we need to use it
10 but also recognizes the reporting burden on the companies.

11 I think we have lots of different agencies at
12 different levels, and we certainly found this in the state,
13 asking for the same information in different ways with a lot
14 of costs and without much benefit.

15 The other thing I'd like to see us do is build in
16 some review process. I don't want to call it sunset, but
17 some discipline. Too often we collect data that, as you've
18 discovered, we no longer need, is no longer relevant. And
19 rather than find ourselves with this overwhelming task five
20 years from now in a dynamic market we probably ought to be
21 reviewing, I don't know, every six months or a year to see
22 what information we're using, how we're using it, or indeed
23 if we're not using it so we can build in the discipline up
24 front. But bravo.

1

COMMISSIONER MASSEY: I think this is a very

1 important effort. It sounds to me like you're on the right
2 track. I'm very glad that we're doing this. It's been my
3 impression since I've been at the Commission for almost nine
4 years that there's a lot of information that perhaps we get
5 that we don't need now or particularly want. There's
6 information we don't get that need and we ought to be
7 getting it. And there's information that ought to be made
8 generally available to the marketplace that is not now.

9 So it seems to me that one of the last vestiges
10 of market power in the industry might be control over
11 information that really ought to be public in some form. I
12 realize there are commercial sensitivity concerns as well.
13 But my own view is that there ought to be a lot more
14 information and data in the marketplace to allow the self-
15 policing that we all want to see.

16 And so I think this is a very valuable effort. I
17 commend you and look forward to working with you in
18 finalizing this.

19 COMMISSIONER BREATHITT: I have a question on
20 page 5 where you, in the third bullet, where you identified
21 43 reporting requirements and three that were generic to
22 three program areas. I have no idea if 43 is considered a
23 lot or a little bit. If I ask you, I guess your answer
24 would be subjective, but --

1

MS. LAKE: When you're going through the reports,

1 it was a lot. I'm not sure where you're going with the
2 question. What do you -- there are a lot of reports there.

3 COMMISSIONER BREATHITT: I guess in the
4 cataloging, you said this was the first time that this
5 cataloging had been done to your knowledge.

6 MS. LAKE: Yes, ma'am.

7 COMMISSIONER BREATHITT: And it was more a
8 question of curiosity if 43 was considered a huge,
9 voluminous amount of data that we collect. I guess the next
10 question is, do we use all of that in the 43 reporting
11 requirements and that's what this exercise is going to
12 determine?

13 MS. LAKE: Yes. It is what this exercise is
14 going to determine. Some of these forms have been around
15 for a very long time and some of them we've inherited from
16 the ICC when we inherited jurisdiction over the oil
17 pipelines. And while OMB requirements require us to review
18 these things every three years, that's done on a pro forma
19 kind of basis, and we generally don't get a lot of
20 complaints about them so they just stay there until someone
21 says I think we need to change them or need to update them.
22 We tend to expand them rather than get rid of any forms. So
23 we need to take a comprehensive look at it and see if this
24 information is really used by the various program offices.

1

COMMISSIONER BREATHITT: I recall the three-year

1 review that occurs with the Form 1 and the Form 2. Which is
2 the electric, the 1, Form 1?

3 MR. GODDING: Form one.

4 COMMISSIONER BREATHITT: That parties, I think
5 EEI was one of the parties that asked OMB to -- I don't know
6 if they asked OMB to ask us to review that Form 1. I think
7 it was a couple of years ago or maybe three years ago. I
8 don't know if we ever did anything at that time with the
9 Form 1. But when was the last time we changed the Form 1?

10 MR. GODDING: In fact, we just went through a
11 Form 1 review. And on January 17th, we sent it to OMB,
12 cutting out 11 schedules, which is about only 5, 7 percent
13 of what's in that form. But it's a start. And I think the
14 point here is we keep doing those things one at a time and
15 we look at each form in isolation, and this effort and the
16 cataloging effort as well as going forward is to try to take
17 a global view of what we really need.

18 I think in answer to your first question, too, I
19 think if you asked the industry they'd say it's a lot. We
20 probably have a somewhat different perspective than they do.

21 COMMISSIONER BREATHITT: The number 43 is a small
22 number, but what comprises each one could be from here up to
23 the ceiling several times.

24 MR. GODDING: Sure. Well, I think, too, I mean,

1 Form 1 can be very large, but also some of the forms,

1 especially when you're talking about generics, that's -- a
2 complaint is considered a form. So some of these things,
3 you know, when you make a rate filing, that's also one of
4 the 43 filings. So some of these are not, you know, every
5 year you have to -- or we even have some that are monthly.
6 But a lot of these forms are not of that nature. So you've
7 got to balance what these forms are.

8 But there is a lot of data there, and there is
9 data there I think we probably don't make good use of. A
10 lot of the data we collect also not necessarily for our own
11 review but to put it out there and to let the public review
12 it, and we're required to do that.

13 COMMISSIONER BREATHITT: Will the team stay
14 together? This exercise isn't over?

15 MR. GODDING: It's not over. But I don't know if
16 we know whether we're staying together or not yet.

17 COMMISSIONER BREATHITT: Okay.

18 MR. GODDING: Probably other people will come in.

19 COMMISSIONER BREATHITT: Pat, you put these teams
20 together when you came.

21 CHAIRMAN WOOD: I would love to take the credit,
22 but I think I'm going to give it to some of our senior staff
23 who saw the need that we'd all been talking about but got
24 together the A Team here to do something about it.

1

COMMISSIONER BREATHITT: Good.

1 CHAIRMAN WOOD: It's just something we need to
2 do.

3 MR. LARCAMP: Is there money for a condominium
4 for these people?

5 (Laughter.)

6 COMMISSIONER BROWNELL: Thanks. If you're
7 willing to write the check there is.

8 CHAIRMAN WOOD: All right. Y'all can wear shorts
9 in the middle of winter. It's okay.

10 (Laughter.)

11 CHAIRMAN WOOD: Thank you all. I look forward to
12 an ongoing update and whatever y'all need from us.
13 Certainly the confidentiality issue is a big one, and you
14 know, there is a middle ground there. There's a role that
15 we or someone else can play in aggregating information that
16 if it were granular would probably venture into commercial
17 sensitivity issues but in the aggregate can be very good
18 information for the market, much as AGA does for its storage
19 report. They provide a value added function by aggregating
20 that data, but the aggregate number is something that's
21 pretty useful.

22 Bravo. Thank you. And we don't have a 2. So
23 anything else, Madam Secretary? Meeting adjourned.

24 (Whereupon, at 12:45 p.m. on Wednesday, February

1 27, 2001, the meeting was adjourned.)