

1 STATE OF MISSOURI
2 PUBLIC SERVICE COMMISSION

3 TRANSCRIPT OF PROCEEDINGS

4 Hearing

5 May 12, 2002
6 Jefferson City, Missouri
7 Volume 2

7 In the Matter of Missouri Gas)
8 Energy's Purchased Gas Adjustment) Case No. GR-2001-382
9 Tariff Revisions to be Reviewed in)
10 its 2000-2001 Actual Cost adjustment.)
11 In the Matter of Missouri Gas)
12 Energy's Purchased Gas Cost) Case No. GR-2000-425
13 Adjustment Factors to be Reviewed in)
14 its 1999-2000 Actual Cost Adjustment.)
15 In the Matter of Missouri Gas)
16 Energy's Purchased Gas Cost) Case No. GR-99-304
17 Adjustment Factors to be Reviewed in)
18 its 1998-1999 Actual Cost Adjustment.)
19 In the Matter of Missouri Gas)
20 Energy's Purchased Gas Cost)
21 Adjustment Tariff Revisions to be) Case No. GR-98-167
22 Reviewed in its 1997-1998 Actual Cost)
23 Adjustment.)

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19
20 MORRIS L. WOODRUFF, Presiding,
21 SENIOR REGULATORY LAW JUDGE.

21
22 CONNIE MURRAY,
23 STEVE GAW,
24 BRYAN FORBIS,
25 COMMISSIONERS.

24 REPORTED BY:

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1 P R O C E E D I N G S

2 JUDGE WOODRUFF: Come to order, please. This
3 is Case No. GR-2001-382, which is a consolidated case which
4 also includes GR-2000-425, GR-99-304 and GR-98-167, and
5 concerns Missouri Gas Energy's purchased gas adjustment
6 tariff provisions for its actual cost adjustments for 1997
7 through 2001.

8 And we'll begin this morning by taking entries
9 of appearance, beginning with Staff.

10 MR. SCHWARZ: Good morning. My name is Tim
11 Schwarz. I am Deputy General Counsel with the Public
12 Service Commission. Appearing with me today will be Bob
13 Berlin, also of the General Counsel's Office. We represent
14 the Staff of the Commission. Our address is P.O. Box 360,
15 Jefferson City, Missouri 65102.

16 JUDGE WOODRUFF: Thank you. And for Missouri
17 Gas Energy?

18 MR. DUFFY: For Missouri Gas Energy, Gary
19 Duffy of the law firm Brydon, Swearingen & England, and Rob
20 Hack of Missouri Gas Energy, and we have submitted our
21 addresses on the written entry.

22 JUDGE WOODRUFF: Thank you. And for the
23 Public Counsel?

24 MR. MICHEEL: Douglas E. Micheel, appearing on
25 behalf of the Office of the Public Counsel and the Public,

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1 P.O. Box 7800, Jefferson City, Missouri 65102-7800.

2 JUDGE WOODRUFF: For Riverside Pipeline,
3 Mid-Kansas Partnership, and Kansas Pipeline Company?

4 MR. KEEVIL: Jeff A. Keevil of the law firm of
5 Stewart & Keevil, LLC, 1001 Cherry Street, Suite 302,
6 Columbia, Missouri 65201.

7 And, Judge, if I could, there may be -- not
8 guaranteeing that there will be, but there may be times that
9 I may or may not have an interest in certain things that are
10 transpiring in the course of the case, and I was just
11 wondering if I could ask for standing leave to be excused in
12 the event such situation did arise?

13 JUDGE WOODRUFF: You can certainly use your
14 own discretion as to when you're here. Of course, if you're
15 not here, you're waiving any right you have to cross-examine
16 and so forth.

17 City of Joplin? Mr. Deutsch, I believe, was
18 their counsel. I don't see him in the room today. Was
19 anyone else here for City of Joplin?

20 (No response.)

21 JUDGE WOODRUFF: Okay. We'll note his absence
22 at this time and deal with him if he comes in later. All
23 right. I don't believe there's any other parties. We'll
24 begin in a moment by taking opening statements from the
25 parties.

1 Yes?

2 MR. SCHWARZ: Do you want to premark exhibits?

3 JUDGE WOODRUFF: We will premark exhibits.

4 You're jumping ahead of me.

5 MR. SCHWARZ: I'm sorry.

6 JUDGE WOODRUFF: I was going to say, we'll

7 premark exhibits before that, and we'll take a short break

8 and I'll go up and get the Commissioners.

9 There was one other matter. City of Joplin

10 filed a motion on last Friday indicating -- requesting leave

11 to file their statement of position out of time. Does

12 anyone have any objection to that motion?

13 (No response.)

14 JUDGE WOODRUFF: Hearing none, that motion

15 will be granted.

16 All right. We'll go off the record at this

17 time to mark exhibits. I'll leave the Internet broadcasting

18 while we're doing that.

19 (AN OFF-THE-RECORD DISCUSSION WAS HELD.)

20 (EXHIBIT NOS. 1 THROUGH 16 WERE MARKED FOR

21 IDENTIFICATION BY THE REPORTER.)

22 JUDGE WOODRUFF: At this time we'll take a

23 break while I go upstairs and get the Commissioners. We'll

24 come back at 8:55. Thank you.

25 (A BREAK WAS TAKEN.)

1 JUDGE WOODRUFF: We're broadcasting again.
2 Let's go ahead and go back on the record. Please be seated.
3 And we're ready to begin with opening statements. I propose
4 to have MGE go -- excuse me.

5 MR. SCHWARZ: As a preliminary matter, in its
6 position statement on the first issue, Staff at the bottom
7 of page 1 and carrying over to page 2 noted other pipelines
8 that serve Missouri Gas Energy, and I'd want to make clear
9 that Staff's adjustment relates only to the Williams
10 Pipeline. Staff did not provide any testimony on and does
11 not have any analysis of possible releases on either
12 Panhandle or Kinder Morgan/Pony Express.

13 I just thought I'd like to get that clear from
14 the beginning.

15 JUDGE WOODRUFF: I see that Mr. Deutsch has
16 arrived, if you'd like to enter your appearance, sir.

17 MR. DEUTSCH: Yeah. Jim Deutsch, 308 East
18 High Street, Jefferson City, Missouri 65101, with the law
19 firm of Blitz, Bardgett & Deutsch, and I'm here representing
20 the City of Joplin, Missouri.

21 JUDGE WOODRUFF: Thank you, sir.

22 Then on to opening statements. And I propose
23 to have MGE go first, followed by Public Counsel, KPC, City
24 of Joplin and Staff. Is that acceptable to everyone?

25 (No response.)

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1 JUDGE WOODRUFF: Then beginning with MGE.

2 MR. DUFFY: Good morning. My name is Gary
3 Duffy. I'm representing Missouri Gas Energy this morning.
4 This case is an ACA or actual cost adjustment proceeding
5 examining Missouri Gas Energy's gas costs. Technically we
6 have four cases examining four periods, but the issues
7 you're going to be hearing this week are only for one of
8 those four years; that's July 1, 2000 through June 30, 2001.

9 We're here because the Staff has made a number
10 of proposed adjustments, disallowances with which Missouri
11 Gas Energy does not agree. Those proposed disallowances
12 total almost \$10 million.

13 There were four issues filed as a part of the
14 issues list. What the issues list does not reflect,
15 however, is that there's another issue for which the Staff
16 has proposed a substantial disallowance, which I'd like to
17 address just briefly, just to put things in the context and
18 to explain why we're not addressing it this week.

19 That issue involves what's generally referred
20 to as the Mid-Kansas Riverside adjustment, and the Staff has
21 proposed disallowances in each of those four ACA periods.
22 That issue involves the same allegations the Staff -- the
23 Staff made and the Commission examined previously in
24 GR-96-450, which was tried in November of 2001. And if
25 you'll recall, you found the Staff had not produced

1 sufficient evidence to support those adjustments and you
2 issued an Order in this case.

3 The Mid-Kansas Riverside Company, however, has
4 taken an appeal regarding your decision, specifically on the
5 issue of the effect of the stipulation in that case. That
6 case is now in circuit court.

7 In this case, in these series of cases, you've
8 issued an Order which essentially has bifurcated or
9 separated that issue out of the rest of the issues in this
10 case. So the pipeline, I think, is rightly concerned about
11 what the effect of that stipulation is, because it could
12 mean having to litigate those issues every year through
13 2009, but we're -- even though those issues are technically
14 in this case, they'll not be addressed in this hearing,
15 pursuant to your earlier orders in this case.

16 We are here, however, to address the four
17 issues that show up on the issues list. Issue No. 1,
18 incidentally, concerns Kansas Pipeline Company also, but
19 it's different substantially from what you've seen before,
20 and I think it's on a topic that the Commission has not ever
21 experienced before in litigation. The issue is capacity
22 release.

23 Missouri Gas Energy ships natural gas over
24 four different pipelines to serve the needs of its customers
25 in western Missouri. One of those pipelines is Kansas

1 Pipeline Company, what we've been calling it. I think
2 they're now Enbridge Pipelines, but it's the same pipeline.
3 The evidence will show that MGE made an economic decision
4 not to flow gas on that pipeline in the summer months of
5 2000 when they do not experience sufficient demand from
6 their customers to need that gas.

7 The Staff has not challenged the decision of
8 MGE not to flow gas on that pipeline. Instead, the Staff
9 alleges that MGE was imprudent because it did not offer to
10 rent or sell its idle capacity on that pipeline to someone
11 else for that summer. The Staff, the evidence will show,
12 has made a hypothetical calculation which assumes that if
13 that capacity had been offered, someone would have bought
14 it.

15 The Staff also assumed a price at which that
16 capacity would have been rented or bought. The Staff
17 alleges that \$858,158 in revenue could have been generated
18 from such a posting and sale or rental transaction and,
19 therefore, the Staff proposes to make MGE pay its ratepayers
20 that amount, \$858,158.

21 The evidence will clearly show that MGE did
22 not offer that capacity for sale or rent because it knew
23 there was no market for it. It would have been a useless
24 act to even post it on the pipeline's electronic bulletin
25 board and say, hey, we have this capacity, does anybody want

1 to buy it? That's because the evidence will show that there
2 were no capacity releases at all on this pipeline during the
3 2000-2001 ACA period or in any prior period since it became
4 an interstate pipeline, which was in about 1998.

5 The evidence will show that MGE is not the
6 only shipper on that pipeline, and that MGE was aware that
7 no one else has been able to release capacity on that
8 pipeline by posting it on the electronic bulletin board.

9 Now, the evidence will show that once MGE
10 became aware that Staff was going to make this adjustment,
11 MGE started posting capacity for release, even though it
12 considered it to be a useless act.

13 The evidence will show that no one responded
14 to those postings. No one willingly offered to rent or buy
15 that idle MGE capacity when it was essentially advertised
16 for sale. The evidence will show that Staff has admitted
17 that it has no evidence that anyone would have bought that
18 KPC capacity if it had been posted.

19 Now, the Staff has proposed an alternative to
20 simply posting on KPC and seeing if somebody out there would
21 buy it. What they've said in their testimony is that, well,
22 MGE should have posted some of its Williams Pipeline
23 capacity for release, let that go, and then hauled the same
24 amount of gas on KPC. The evidence will show that this
25 would not have been an economical thing for MGE to do.

1 Staff's alternative approach assumes that MGE
2 would have been able to obtain 75 percent of the maximum
3 tariffed rate on Williams for that. In other words, it
4 assumes that if MGE had posted this KPC capacity for release
5 on Williams, that somebody out there would have paid
6 75 percent, three quarters of what the maximum FERC Williams
7 tariff rate is.

8 Now, the problem with that, the evidence
9 will show, is that the actual market data for this time
10 period shows that people who did release capacity on
11 Williams during that time period only were able to get about
12 14 percent, not 75 percent, 14 percent of the maximum FERC
13 tariff rate, if they're even able to find a buyer.

14 The evidence will show the release revenues
15 MGE presumably may have been able to obtain from Williams
16 capacity under that scenario would not have been sufficient
17 to offset the increased cost of utilizing its higher cost
18 KPC capacity.

19 So in other words, there were no buyers under
20 the Staff's first or main proposal, and under the second
21 proposal, it wouldn't have been economic at the rate that
22 the Staff assumes that -- even at the rate the Staff assumes
23 we would get it and certainly not at the rate the evidence
24 shows might have occurred if that transaction had occurred.
25 Again, this is all hypothetical.

1 The prudence standard which applies in these
2 type of cases holds that you need to look at a utility's
3 decisions, not the results of the decisions, even if the
4 results are hypothetical as what's going on with this Staff
5 proposal. The prudence standard also holds that the Staff
6 has to raise a serious doubt about the company decisions.

7 The Staff here is simply assuming that a sale
8 could have taken place. The evidence will show the Staff
9 cannot produce anyone who would have been a buyer for the
10 capacity. The Staff admits that it does not know of anyone
11 who would have bought the capacity, and it acknowledges
12 there's never been a sale or release of capacity on KPC and
13 there never have been any buyers.

14 In the face of that evidence which you will
15 review this week, MGE submits the Staff cannot create a
16 serious doubt about MGE's actions simply by posting a
17 hypothetical situation. MGE believes the Commission should
18 rule against the Staff on Issue No. 1.

19 Issue No. 2, this also concerns a new topic
20 that I do not believe has ever been litigated before the
21 Commission. In this issue, the Staff has alleged that MGE
22 should have hedged a minimum of 30 percent of its normal
23 winter gas volumes for the winter months; November 2000,
24 December 2000, and January, February and March 2001.

25 Now, in reality, MGE hedged more than 30

1 percent in some of those months, less in two of those
2 months. Over all of those months, however, MGE hedged
3 approximately 38 percent of its normal volumes, which, of
4 course, exceeds the Staff's proposed standard if you apply
5 it on a seasonal basis.

6 The evidence will show that the Staff did not
7 create this 30 percent monthly applied standard until the
8 spring of 2002. So it was developed after the fact.
9 Therefore, no one on this planet, much less MGE, knew going
10 into the winter 2000-2001 that this standard would be
11 applied to that winter's volumes, and that if they didn't
12 make that arbitrary 30 percent each month cutoff, they'd be
13 charged with imprudence.

14 Those of you on the Commission who are
15 attorneys or who have studied the Constitution might be
16 thinking that this sounds a little bit like an ex post facto
17 law. Nevertheless, the Staff says that because MGE did not
18 meet this standard in two of those five months, the
19 ratepayers were damaged, the Staff wants MGE to pay the
20 ratepayers \$614,365.

21 The evidence will show that MGE acted
22 within the range of prudent behavior in regard to the level
23 of hedging of natural gas prices during that winter. MGE
24 had a documented and Commission-approved hedging plan in
25 place prior to the winters of '97-98, '98-99, '99-2000.

1 Similarly, prior to the winter of 2000-2001, MGE worked
2 collaboratively with the Staff and the Office of the Public
3 Counsel to establish an appropriate hedging plan prior to
4 that winter.

5 The Commission will recall that a settlement
6 was filed in May of 2000 that included two separate price
7 protection mechanisms. That settlement was ultimately
8 approved by the Commission in August 2000. However, due to
9 unprecedented high natural gas prices, MGE was prevented
10 from implementing either of those price protection
11 mechanisms in accordance with the terms approved by the
12 Commission. You'll hear evidence that the trigger price in
13 there was not met because the market price was above the
14 trigger price.

15 The evidence will show that MGE then took
16 additional reasonable steps to attempt to modify those
17 mechanisms to reflect then current market conditions, but
18 those steps were not supported by the Staff.

19 The evidence will show that absent the
20 Commission-approved settlement, there was no hedging
21 standard approved by the Commission for that winter.
22 Regardless, even with the unprecedented natural gas market
23 conditions up to and during the winter of 2000-2001, the
24 facts show that MGE utilized its storage gas and fixed price
25 purchases to provide price protection to its customers for

1 that winter.

2 Specifically, MGE actually hedged 20.3 billion
3 cubic feet of gas in total for that winter, which is
4 approximately 38 percent of its customers' normal winter
5 requirements. The Staff even with its after-the-fact
6 developed standard has not created serious doubt about MGE's
7 decisions with regard to hedging for the winter of
8 2000-2001. Therefore, the Commission should reject the
9 Staff's proposal in Issue No. 2.

10 Issue No. 3. This is another new topic for
11 the Commission that has not previously, to my knowledge,
12 been litigated. In this situation, the Staff has gone back
13 and looked at how MGE managed the operation of its various
14 gas supplies during the winter 2000-2001.

15 The Staff has developed a new and different
16 approach on how it believes or proposes to operate MGE's
17 system regarding the withdrawal of storage gas and how
18 first-of-the-month flowing gas could have been utilized in
19 that winter.

20 As with Issue No. 2, the Staff has developed
21 this new approach to operating MGE's system after the fact.
22 The evidence will show that it was never communicated to MGE
23 as a standard or even a recommendation prior to the winter
24 of 2000-2001.

25 Basically, the Staff has suggested a new

1 approach on how MGE should manage and apply some of these
2 gas supplies and wants to use it to measure economic harm
3 without ever proposing it to MGE beforehand. The Staff says
4 that since MGE did not follow the Staff's approach in that
5 winter, even though it didn't exist then, MGE should pay its
6 ratepayers \$8,051,489.

7 The evidence will show that MGE acted within
8 the range of prudent behavior in regard to its management of
9 the first-of-the-month contract prices -- or excuse me --
10 first-of-the-month contract purchases, intra-month contract
11 purchases and storage to meet its customers' heating season
12 requirements in the winter of 2000-2001.

13 The evidence will show that this was an
14 extraordinary time period. It will show that November 2000
15 was the second coldest November in the past 40 years.
16 December 2000 was the second coldest December in the past 40
17 years. If you combine November and December 2000, it was
18 the coldest consecutive November and December on record, on
19 record.

20 No one, of course, knew that when we were
21 going into the winter. When the weather turned much colder
22 than normal in November 2000, MGE withdrew more gas from its
23 storage to supply its customers' needs. MGE also scheduled
24 fewer first-of-the-month flowing supplies for December 2000,
25 based on information that was available to it at that time

1 that prices for natural gas would be lower in December and
2 that the weather would be more moderate.

3 The evidence will show that MGE's gas supply
4 portfolio decisions for the winter of 2000-2001 met the
5 challenges of this extraordinarily cold period. MGE's
6 decisions resulted in no unserved demand, no operational
7 constraints, and MGE was assessed no penalties under any
8 operational flow orders from the interstate pipeline serving
9 it. In other words, on an objective basis, MGE did what it
10 was supposed to do to keep a reliable gas supply flowing and
11 its customers warm.

12 There will be evidence that MGE purposefully
13 plans on purchasing first-of-month flowing supplies
14 sufficient to meet both monthly nonheating demand and a
15 level of heating demand that's likely to occur based upon
16 past operating experience. And then MGE supplements the
17 first-of-month flowing supplies with storage withdrawals.
18 This generally results in higher levels of planned storage
19 withdrawals in November, relative to the other winter months
20 due to three factors.

21 Factor No. 1 is the extreme weather
22 variability and thus customer demand variability that can
23 occur in November.

24 Factor 2, MGE has limited operational
25 flexibility to inject any nominated but unneeded

1 first-of-month purchased volumes into storage because
2 storage is nearly full in November. You fill it during the
3 summer so that it's full in November so that you can use it
4 through the winter. If you have a lot of flowing supplies
5 coming in and there's not much demand, where are you going
6 to put this gas?

7 Now, Factor No. 3, in warmer than normal
8 weather, the potential cost to customers of MGE could be
9 that it would have to sell some of this excess
10 first-of-month nominated gas into the market at precisely
11 the time when nobody in the market wants it. If the
12 weather's warmer than normal, gas prices are low and you
13 have trouble trying to find a market for that, you may have
14 to sell it for less than you paid for it.

15 The evidence will show that MGE's storage
16 plan, however, has been essentially the same since the
17 winter of 1998-1999. The Staff has not questioned or did
18 not question those storage plans during those ACA periods.

19 The evidence will show that MGE withdrew a
20 relatively greater level of storage than originally planned
21 in November and December 2000, as compared to other years,
22 but that was the result of the extreme cold weather being
23 experienced in its service territory.

24 It will also show that this was happening
25 across the United States, and that MGE's actions were very

1 similar to those of most all of the other gas companies in
2 the United States faced with the same weather and the same
3 price extremes.

4 The evidence will also show that Staff's
5 approach to managing storage and flowing supplies has
6 logical faults. It poses a high likelihood of operating
7 problems and serious economic consequences, meaning that in
8 years other than the one for which it was developed, it
9 costs more than the plan that MGE developed originally and
10 has followed for these years.

11 MGE believes this issue is quite notable and
12 unique because the Staff is questioning operating plans that
13 have been in place for a number of years, despite the Staff
14 having no meaningful operating experience on the gas system
15 and apparently without regard to serious operating issues.

16 In brief, the Staff's proposed disallowance on
17 this issue does not raise a serious doubt with regard to
18 MGE's prudence and does not meet the test of the prudence
19 standard. Accordingly, the Commission should reject this
20 proposed adjustment.

21 We come finally to Issue No. 4. This is an
22 issue where the Staff wants the Commission to order MGE to
23 supply the Staff with additional information. The Staff has
24 not suggested any monetary disallowance associated with this
25 issue.

1 It appears to MGE to be an issue that has very
2 little relevance to MGE's decisions made during the ACA
3 period, but it appears instead to stem from the fact that
4 MGE filed a reliability report on July 1, 2002 in compliance
5 with the Stipulation & Agreement approved by the Commission
6 in Case No. GO-2000-705. That case is not before the
7 Commission today. That Stipulation & Agreement is also no
8 longer in effect by its own terms.

9 MGE believes -- MGE believes that all of the
10 Staff's issues with regard to this Issue 4 should have been
11 adequately dealt with in the reliability report that was
12 filed. MGE is aware of Staff's efforts to develop a
13 statewide standard for gas supply reporting information.
14 MGE believes it's more appropriate to attempt to deal with
15 that kind of issue in another type of case, perhaps a
16 rulemaking. It's more appropriate than trying to deal with
17 it in a case where its relevance to the issues in this ACA
18 period is quite questionable.

19 MGE's position is that no action should be
20 taken on this topic in this proceeding since it's not
21 relevant to a prudence review. That's all I have at this
22 time.

23 JUDGE WOODRUFF: Thank you. And for Public
24 Counsel?

25 MR. MICHEEL: Your Honor, I would waive my

1 opening and just indicate that the Office of the Public
2 Counsel supports the positions of the Staff.

3 JUDGE WOODRUFF: Thank you. And KPC?

4 MR. KEEVIL: Your Honor, I really don't have
5 anything to offer by way of opening statement, in addition
6 to what we set forth in our position statement. I would
7 indicate that in the position statements we've supported MGE
8 on the first issue and not taken positions on the remaining
9 three issues. And with that, I would waive opening.

10 JUDGE WOODRUFF: All right. And for City of
11 Joplin?

12 MR. DEUTSCH: Just a brief statement, your
13 Honor.

14 JUDGE WOODRUFF: Go right ahead.

15 MR. DEUTSCH: Your Honor, members of the
16 Commission, good morning. I'm Jim Deutsch. I represent the
17 City of Joplin.

18 I just wanted to make clear that we are an
19 intervenor in this case. The people and the City, as users
20 and consumers of gas energy through this company, are
21 vitally interested in everything that affects the issue of
22 costs. And I have reviewed all the evidence and testimony
23 here, and we fully support the Staff's position.

24 We don't intend to actively participate in
25 cross-examination of witnesses. We are confident that what

1 the Staff has suggested is reasonable. The issue here is
2 prudence. More than that, I think you will find that the
3 issue here is the lack of any judgment or taking any action
4 imprudent or just simply something different than what the
5 legal standard is going to be.

6 I disagree with Mr. Duffy's characterization
7 of the Staff's positions, though, as being anything that --
8 or new issues that haven't been presented before ex post
9 facto laws.

10 What, in fact, has happened, and I think what
11 the evidence is going to demonstrate, is that we had some
12 unusual market circumstances a few years ago that got
13 everybody's attention, including the Staff. And what Staff
14 has determined is that things that should have been being
15 done, should have been conducted but were not a problem in
16 the past because we have not had unusual market conditions
17 were not being done, not being done prudently, in some cases
18 not being done at all.

19 The role of this Commission of trying to bring
20 some kind of a discipline, some kind of economic certainty
21 and some kind of economic discipline to a monopoly
22 organization that has no competition puts you in a position
23 of looking at the conduct in this case as one of what would
24 someone who is prudent in the business community have done
25 if he had had a competitor, which they didn't, and couldn't

1 just pass along the cost to the consumer.

2 There is a legitimate disagreement of the
3 characterization of the facts of this case. We grant that
4 to the company, but we fully support the Staff's position in
5 this case and hope that the Commission is going to
6 understand that, given the role of Staff, given the role of
7 the Commission in providing this kind of discipline for the
8 marketplace in a monopoly environment, that it is not simply
9 a matter of whether the Staff has ever told them to do it
10 before or whether the Staff has proposed it in the past or
11 whether the Staff has looked at what they've done and been
12 too critical.

13 The question here is a pure question of
14 prudence, and we believe that a lack of the exercise of any
15 kind of judgment on certain issues is not the equivalent of
16 prudent judgment, and that the Commission is going to find
17 that the Staff's case in that regard is compelling.

18 Thank you.

19 JUDGE WOODRUFF: Thank you, Mr. Deutsch. And
20 for Staff?

21 MR. BERLIN: Good morning, your Honor. This
22 case is about MGE not prudently managing its gas purchasing
23 practices and not hedging enough of its gas supplies during
24 the heating season of 2000-2001.

25 To more accurately frame the issues of this

1 case, I quote words used by the Rhode Island Public Utility
2 Commission to describe a settlement in a similar proceeding
3 before them that approved a disallowance amounting to 22
4 percent of company net income.

5 The Rhode Island Commission in a multiple
6 docket order concluded, and I quote, the companies in 2000
7 acted like the grasshopper in the fable of the grasshopper
8 and the ant. Like the grasshopper, the company's frolicked
9 during the spring and summer and did not prepare or plan
10 ahead for the winter. When the winter came, the grasshopper
11 perished. And unless the company wanted to share the fate
12 of the grasshopper, it should plan ahead and be proactive,
13 unquote.

14 In the case at bar, MGE, much like the
15 grasshopper in this fable, was imprudent in not preparing
16 for the winter that was, like the grasshopper, the cause of
17 its demise. Just like the ant of the fable survived the
18 winter and the grasshopper did not, Staff believes the
19 Missouri ratepayers are due the benefits of prudent and
20 proactive planning decisions.

21 There are four issues in this case. First
22 issue, the Staff recognizes that MGE is entitled to recover
23 all rates -- in rates all prudently incurred costs for gas
24 purchases. MGE owns long-term capacity on Kansas Pipeline
25 Company to meet customer demands, but did not use it in the

1 summer months of the 2000-2001 ACA period.

2 Staff believes that MGE's decision to not post
3 the KPC capacity for release or, alternatively, to not
4 release equivalent Williams capacity to be imprudent. The
5 \$858,158 is the proper measure of economic harm.

6 The evidence will show during April through
7 October 2001, MGE did not use any of its firm capacity on
8 Riverside Mid-Kansas Pipeline. MGE did not post any
9 capacity on KPC's bulletin board for release to other
10 shippers, nor did MGE seek to use the KPC capacity itself,
11 nor did MGE release capacity on Williams Pipeline Central.
12 Staff calculates that by releasing its excess capacity, that
13 MGE might have realized added revenues of \$858,158, and
14 MGE's ACA balance should be adjusted to reflect that
15 released capacity.

16 The second issue, Staff recognizes that MGE is
17 entitled to recover all prudently incurred gas costs. Staff
18 holds that MGE should have hedged, at a minimum, 30 percent
19 of each winter month's normal volumes, while MGE asserts
20 there was no hedging standard in place prior to the winter
21 of 2000-2001 but, nevertheless, hedged 38 percent of normal
22 winter volumes.

23 Staff believes \$614,365 is the appropriate
24 measure of economic harm, because MGE's hedging conduct was
25 not within the range of prudent behavior for the winter of

1 2000-2001.

2 Evidence will show MGE nominates a substantial
3 portion of its flowing gas, that is gas coming from sources
4 other than storage, on a monthly basis at the first of the
5 month. Further, heating season weather differs from month
6 to month. Ranking normal weather from coldest to warmest
7 reveals that January is the coldest, followed by December,
8 February, March and November.

9 Staff asserts that by the beginning of the
10 heating season, MGE should have hedged 30 percent of each
11 month's volume of gas hedge for each month, consistent with
12 the different expected heating loads in these months. MGE
13 failed to do so. It did not have minimum volumes hedged for
14 the month of January and March. Had MGE done so, MGE's gas
15 costs would have been reduced by \$614,365, and its ACA
16 balance should be adjusted to reflect that reduced gas cost.

17 The third issue, Staff recognizes that MGE is
18 entitled to recover in rates all prudently incurred gas
19 costs. MGE uses natural gas from first-of-month contract
20 purchases, intra-month contract purchases and storage to
21 meet its customers' heating season requirements. Staff
22 believes that MGE was not prudent in managing first-of-month
23 and intra-month contract purchases and its use of storage
24 withdrawals. \$8,051,049 is the proper measure of economic
25 harm.

1 Evidence will show that the chance that
2 January experiences the highest demand for natural gas is
3 greater than any other month. Storage gas serves both as an
4 operational requirement under MGE's transportation
5 arrangements on Williams and as a physical hedge or
6 insurance for price risk, risk which is much larger for
7 natural gas when compared to most other commodities.

8 MGE's planned storage withdrawals for
9 November of 2000 were unreasonably high and for January 2001
10 unreasonably low. Its actual storage withdrawals in
11 November and December 2000 exceeded even the unreasonable
12 planned withdrawals for these months by 63 percent.

13 This unreasonable use of storage left MGE
14 vulnerable to operational shortfalls in supply should
15 January weather have been cold, and exposed even greater
16 volumes of natural gas needed by customers to price risk in
17 January 2001, in the face of the highest first-of-the-month
18 prices in history. MGE decisions in November and December
19 left it with no choice but to purchase large amounts of this
20 high-priced natural gas. The economic harm to ratepayers is
21 \$8,051,049.

22 In the fourth issue, Staff recognizes that in
23 July 2000, MGE filed an annual reliability report pursuant
24 to a Commission order in a prior case. The Staff reviewed
25 the peak day and reliability information and the rationale

1 for the reserve margin and has recommended in this case that
2 the Commission order MGE to provide additional reliability
3 information.

4 Staff believes this case is the appropriate
5 forum in which to consider this issue, and that the
6 Commission should order MGE to provide the requested
7 reliability information.

8 MGE submits reliability reports pursuant to
9 Commission order, and the Staff has used its operational
10 review in the ACA audit process to analyze these reports.
11 Staff has taken issue with MGE's failure to provide support
12 for its assertions. Specifically, MGE refused to provide
13 the assumptions and calculations it used to determine its
14 peak-day demand estimates for 2002-2003, 2003-2004, and
15 2004-2005.

16 MGE did not provide the input and output data
17 to support its base case, high case and low case demand
18 scenarios. MGE did not explain why it uses 30 years data
19 for the base case but only 20 years data for high and low
20 case scenarios. MGE refused to provide a month-by-month
21 plan for storage withdrawals, nor did MGE provide a check on
22 its estimation model by checking the model's predictions
23 against actual weather and usage data.

24 Staff believes that the information it seeks
25 is information that MGE should have readily available if it

1 is prudently planning its gas supply and transportation
2 needs. Staff believes that establishing a separate
3 proceeding to submit and to review this basic information
4 would be an inefficient use of Commission and company
5 resources.

6 And finally, in summary, I go back to the
7 fable of the grasshopper and the ant that was used by the
8 Rhode Island Commission in a similar case. Missouri
9 ratepayers need not suffer from MGE's imprudent decisions
10 and lack of planning, like the grasshopper who frolicked
11 away the spring and summer and perished in winter.

12 Just as the ant survived winter with planning
13 and preparation, the ratepayers deserve no less. The
14 Commission must order Staff's recommendation so that
15 ratepayers suffer no harm from MGE's lack of planning and
16 preparation for the winter.

17 Your Honor, this concludes Staff's opening
18 statement.

19 JUDGE WOODRUFF: Thank you. Let's go ahead
20 and then take the first witness for MGE.

21 MR. DUFFY: MGE would call John Reed to the
22 stand.

23 (Witness sworn.)

24 JUDGE WOODRUFF: You may be seated, and you
25 may inquire.

1 JOHN REED testified as follows:

2 DIRECT EXAMINATION BY MR. DUFFY:

3 Q. Would you state your name for the record,
4 please.

5 A. My name is John Reed.

6 Q. Mr. Reed, are you the same John Reed that
7 caused to be prepared what has been marked for purposes of
8 identification as Exhibit No. 1, direct testimony of John
9 Reed, and Exhibit No. 2, surrebuttal testimony of John Reed
10 in this proceeding?

11 A. Yes, I am.

12 Q. Do you have any corrections or additions to
13 either of those documents?

14 A. Yes. I have two very brief corrections to my
15 direct testimony. The first appears on page 33 at line 23.
16 The second word appearing on that line, "is" should be "it,"
17 I-T. An identical change needs to be made on page 39 at
18 line 14. The last word on that line, "is" again should be
19 "it." That completes the corrections I have.

20 Q. If I asked you the same questions with those
21 changes that appear in what's been marked as Exhibit No. 1
22 and Exhibit No. 2 this morning, would your answers be the
23 same as they appear therein?

24 A. Yes.

25 Q. Are those answers true and correct to the best

1 of your knowledge, information and belief?

2 A. Yes, they are.

3 MR. DUFFY: At this time I would offer into

4 the record Exhibits No. 1 and 2 and tender the witness for

5 cross-examination.

6 JUDGE WOODRUFF: All right. Exhibit 1 and 2

7 have been offered into evidence. Are there any objections

8 to their receipt?

9 (No response.)

10 JUDGE WOODRUFF: Hearing none, they will be

11 received into evidence.

12 (EXHIBIT NOS. 1 AND 2 WERE RECEIVED INTO

13 EVIDENCE.)

14 JUDGE WOODRUFF: And for cross-examination,

15 we'll begin with KPC.

16 MR. KEEVIL: No questions, your Honor.

17 JUDGE WOODRUFF: City of Joplin?

18 MR. DEUTSCH: No questions, your Honor.

19 JUDGE WOODRUFF: Public Counsel?

20 MR. MICHEEL: No questions, your Honor.

21 JUDGE WOODRUFF: Staff?

22 MR. SCHWARZ: Thank you.

23 CROSS-EXAMINATION BY MR. SCHWARZ:

24 Q. Good morning, sir.

25 A. Good morning.

1 Q. Are you the same John Reed who provided a
2 report to Southern Union and MGE in February of 1995?

3 A. I don't recall a report to Missouri Gas Energy
4 in 1995. Certainly could be. It could be that we prepared
5 a report for them at that time. I just don't recall.

6 Q. Do you have a copy of your Attachment A with
7 you?

8 A. Is that my resume?

9 Q. Yeah.

10 A. Actually, I think that was supplied later.
11 I'm not sure I have a copy up here. Thank you.

12 Q. Take a look at page 8.

13 A. I have that page.

14 Q. Under Rhode -- the Rhode Island Public
15 Utilities Commission, the last entry, am I correct in
16 reading that to mean that you filed testimony in January of
17 2001 in the Providence Gas Company and Valley Gas Company
18 dockets 1673 and 1736?

19 A. Yes.

20 Q. And what were the issues that you testified on
21 in that case?

22 A. Appropriate levels of risk management
23 activities for the LGC; in that case, Providence Gas
24 Company.

25 Q. And is Providence Gas Company a division of

1 Southern Union?

2 A. It's been renamed. It's now called the New
3 England Gas Company, but it is now a division of Southern
4 Union Company.

5 Q. Southern Union was your client in that case?

6 A. Yes.

7 Q. And do you have your surrebuttal testimony
8 that's been marked as Exhibit 2 in front of you?

9 A. Yes.

10 Q. And would you turn to page 3 of that
11 testimony, please?

12 A. Yes.

13 Q. And there at lines 23 through 27 you talk
14 about that case, I believe, as identified in the footnote at
15 the bottom; is that correct?

16 A. Yes.

17 Q. And it's -- if I understand it -- well, strike
18 that. Let me proceed.

19 What time period was at issue in this case?

20 A. As I recall, the issues included the winter of
21 2000-2001. I think it actually included prior periods as
22 well, but certainly included the same winter as we're
23 addressing here.

24 Q. And it's your contention because the case did
25 not go to trial that the -- that the cases are not similar?

1 Is that the import of your testimony there?

2 A. No. I had two points I was making in this
3 bullet appearing on lines 23 to 27. The first is, it wasn't
4 an adjudicated decision. So I certainly would not want to
5 look at that settlement and say in some way it represented a
6 precedent that should be reflected here in Missouri.

7 Secondly, the circumstances I said are not
8 similar nor relevant to Missouri Gas Energy's situation in
9 this case. The gas supply portfolio, the demands, the
10 customers and the prior experience of the companies and
11 commission in that state with regard to hedging are quite
12 different than here in Missouri.

13 Q. And how are they different?

14 A. Well, among other things, Southern Union/New
15 England Gas Company, Providence Gas Company, was coming off
16 a period of time in which the Commission had given them very
17 direct instructions on what to do with regard to hedging for
18 their non -- I'm sorry -- for their core customers. They
19 had, in fact, directed in a prior period that the company
20 enter into a price hedge for 100 percent of its supply,
21 which the company did and was approved.

22 The issues addressed in this case were what
23 did the company do in the period after that price hedge
24 had expired, which, as you saw in the settlement, was
25 addressed through a disallowance of, as I recall, something

1 like \$2 million. But in this case, the history leading up
2 to the hedging issues in this proceeding, as well as the
3 company and the commission's prior experience with hedging,
4 was completely different from what we have here.

5 Q. Are you aware that MGE participated in a
6 hedging program pursuant to a case in the spring of 1997
7 that called for MGE to hedge 70 percent of each month's
8 flowing supplies?

9 A. I don't recall the figure 70 percent. I'm
10 certainly familiar with that MGE participated in hedging
11 programs on a year-to-year basis as authorized by the
12 Commission in the, at least, three years preceding the
13 winter of 2000-2001.

14 MR. SCHWARZ: May I approach the witness,
15 please?

16 JUDGE WOODRUFF: You may.

17 This will be 17HC.

18 (EXHIBIT NO. 17HC WAS MARKED FOR
19 IDENTIFICATION BY THE REPORTER.)

20 BY MR. SCHWARZ:

21 Q. Do you have a copy of your direct testimony
22 with you?

23 A. Yes.

24 Q. Could you turn to your Schedule JRR-1 --
25 J-J-R -- I'm sorry -- dash 1.

1 A. I have that.

2 Q. I have -- I handed you what's been marked as
3 Exhibit 17HC. I provided a copy to counsel for MGE just
4 before the hearing. Have you had a chance to examine this
5 at all?

6 A. Yes, briefly.

7 Q. Would you agree that the -- in that first
8 table, that the numbers in the columns and rows that begin,
9 I guess, with the winter of November of '94-95 with a figure
10 of 58, the bottom of that column is 123, over to the 254 for
11 the historic average, and at the top of that column, 208,
12 are the same as appear in your Exhibit JJR-1?

13 A. Yes, they appear to be.

14 Q. Have you had an opportunity to see if the
15 totals across add correctly?

16 A. No, I've not tried to replicate the math on
17 the table.

18 Q. Do you have a calculator with you?

19 A. Yes.

20 Q. Would you do that quickly?

21 A. Yes.

22 Q. Strike that. Would you take a moment and see
23 if those are summed correctly?

24 A. They appear to be.

25 Q. Got another calculation I'd like you to do.

1 Would you divide the number 123 by the number 1,968?

2 A. Yeah, I did that. It's 6.25 percent.

3 Q. Okay. And that's -- rounded would be the

4 shaded -- rounded down would be the shaded figure that's

5 listed as the historic average as percent of total?

6 A. Yes.

7 Q. Would you do the same calculation for 455,

8 divide it by 1,968 and proceed across the column?

9 A. The numbers on the gray shaded line historic

10 average appear to be correct. The math is correct.

11 Q. Moving to the next table on Exhibit 17HC, are

12 the numbers for the winter of '00-'01 the same as are on

13 your JJR-1?

14 A. For the months of November to March, they are.

15 Q. And, again, could you do the total for me,

16 please?

17 A. The figure for the total appears to be

18 correct.

19 Q. And the next row below that is as it appears

20 on your Schedule JJR-1?

21 A. I'm sorry. Could you ask that question again?

22 Q. The percent above, paren, below historic

23 average on Schedule 17HC is the same as is on JJR-1, with

24 the exception of the final column?

25 A. Yes.

1 Q. And if you divided the number 210 by the
2 number 1,968, what do you get?

3 A. 6.7 percent.

4 Q. If you divide 210 by 1,968?

5 A. Yes.

6 Q. Okay.

7 A. 6.7 percent.

8 Q. My calculator says -- if 123, I think, divided
9 by 1,968 is 6 percent, doesn't it make sense that 210
10 divided by 1,968 would be larger?

11 A. Let me make sure we're doing the same
12 calculation. You want me to divide 210 divided by 1,968.
13 I'm sorry. It's 10.67 percent.

14 Q. Using HP?

15 A. Yes.

16 Q. They're backwards.

17 A. This one's not.

18 Q. And similarly 773 divided by 1,968 and for the
19 balance of numbers across that first line on 17HC?

20 A. You're asking me to verify the numbers on the
21 first gray-shaded line?

22 Q. Yes.

23 A. Okay. Yes, they appear to be correct.

24 Q. Now, on the -- there's a third table on
25 page -- I'm not going to ask you to do those calculations,

1 but would you consider that a plan to withdraw 23 percent
2 of --

3 JUDGE WOODRUFF: Mr. Schwarz, I'm sorry to
4 interrupt, but you've indicated this is HC and we're going
5 through all these numbers in open session. Do we need to --

6 MR. SCHWARZ: Certainly. The prior numbers
7 were all American Gas Association numbers and are in the
8 public domain. These numbers probably are the HC.

9 JUDGE WOODRUFF: Do we need to go in-camera at
10 this point?

11 MR. SCHWARZ: Yes, I would say so.

12 JUDGE WOODRUFF: All right. At this point
13 we'll go in-camera. Let me get us off the Internet.

14 (REPORTER'S NOTE: At this point, an in-camera
15 session was held, which is contained in Volume 3, pages 46
16 through 52 of the transcript.)

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1 JUDGE WOODRUFF: Okay. We're out of the
2 in-camera session, back in regular session.

3 MR. SCHWARZ: May I approach the witness?

4 JUDGE WOODRUFF: You may.

5 This will be 18, then, I guess.

6 MR. SCHWARZ: Yes.

7 (EXHIBIT NO. 18 WAS MARKED FOR IDENTIFICATION
8 BY THE REPORTER.)

9 BY MR. SCHWARZ:

10 Q. Mr. Reed, I've handed you what has been marked
11 as Exhibit HC, which consists of two pages, a graph and then
12 some data.

13 MR. DUFFY: I'm sorry. Which part of this is
14 HC?

15 MR. SCHWARZ: None of this is HC.

16 JUDGE WOODRUFF: I think you misspoke. You
17 said Exhibit HC. Exhibit 18?

18 MR. SCHWARZ: I beg your pardon.

19 THE WITNESS: Yes, I have that.

20 BY MR. SCHWARZ:

21 Q. And, again, this was provided to counsel
22 shortly before the hearing. Have you had -- have you seen
23 it?

24 A. Yes.

25 Q. Briefly. If I -- well, the two plots shown

1 are for the January and November data on the second sheet,
2 which I will tell you is from Ms. Jenkins' rebuttal
3 testimony, her Schedule 3, that was used both by Ms. Jenkins
4 and by Mr. Langston.

5 Can you or have you confirmed that the
6 graphical representations are, in fact, representative of
7 the data?

8 A. I haven't tried to confirm the individual data
9 points, but they're certainly representative.

10 Q. Let me ask you this: Is -- can you tell me in
11 statistical terms what's the meaning of the term "range"?

12 A. It's the difference between the highest
13 observed value and the lowest observed value.

14 Q. The calculations on Exhibit -- or the graph
15 and the keys on Exhibit 18 indicate that the range for the
16 weather data from 1971-72 through '99-2000 for the two
17 months indicated, that the range for January is 788. Is
18 that --

19 A. Yes, it does say that.

20 Q. And the range for November is 479?

21 A. Yes.

22 Q. Is the range -- so the range for January is
23 greater than the range for November; is that correct?

24 A. In absolute terms, yes.

25 Q. In absolute terms it is. So in absolute terms

1 you would expect January to be more variable than November?

2 A. No, that's not necessarily correct. Range is
3 a measure of total dispersion, not a variability. The more
4 accurate measure of variability, there's two, and if you
5 turn to the second page of this table, they are shown there.
6 The first is the standard deviation for January, it's 193.
7 For November it's 123. That's a measure of the absolute
8 value of the standard deviation or the absolute value of
9 variability.

10 The second value you can derive is called a
11 coefficient of variation, which is actually, in many cases,
12 a more meaningful value. The coefficient of variation is
13 simply the standard deviation divided by a median or the
14 mean. I assume by average here, that's actually a mean. So
15 if we took 193 and divided it by 1,185 for the month of
16 January, you'd get something like 16 percent, as I recall.

17 Let's do it. Yes, you'd get 16.3 percent. If
18 you did the same for November, you'd have 123 divided by
19 677, which is 18.2 percent. So by that measure, the
20 coefficient of variation, November is actually more volatile
21 than January. It is in relative terms, not in absolute
22 terms.

23 Q. What do you mean by volatile?

24 A. It has greater variability around the mean as
25 a proportion of the mean.

1 Q. Are there any limiting factors on the
2 coefficient?
3 A. On the coefficient of variation?
4 Q. Yes.
5 A. I'm not sure what you mean by limiting
6 factors.
7 Q. Any special characteristics of the population,
8 any --
9 A. Not that we can observe from what's here. I
10 haven't tried to examine whether there's a symmetric
11 dispersion or anything else that would be different from
12 sort of a normal distribution, but relative to the issue of
13 the coefficient of variation, which is the relative measure
14 of dispersion, that wouldn't affect that. The standard
15 deviation is still going to be the standard deviation.
16 Q. But in terms of planning nominations and
17 storage usage, is it not true that in terms of the volumes
18 to be ordered, that there is a larger fluctuation in January
19 than there is in November?
20 A. That's a good point, and the answer is there
21 is a larger upward fluctuation, but actually the way it
22 works, it's an asymmetric issue with regard to November and
23 January.
24 And this is an important point from the
25 record. The company, because it enters the month of

1 November typically with storage full, has very, very little
2 ability to inject additional gas into storage. Therefore,
3 the risk you're most concerned with is the risk of having
4 excess gas flowing on the system and no home for it when you
5 experience warmer than normal weather.

6 So you have the ability to withdraw more gas
7 from storage in that month, but not much of an ability to
8 put additional gas into storage. So when you nominate, you
9 have to consider that asymmetric risk. In January, when
10 you've typically depleted storage much more, you have the
11 ability to have both upward and downward correction in using
12 storage as a shock absorber. That's the phrase I think we
13 used earlier in my testimony.

14 So there, given that you've already depleted
15 some of the storage reserves, you have that upward and
16 downward ability. That's why in November it's so important
17 to not over-nominate the flowing volumes at the beginning of
18 the month, because you have to recognize that either in
19 relative or absolute terms, the demand variation you have
20 from weather you may simply not have any place to put the
21 gas. You may either be dumping it into a bad market or
22 running up imbalances on the pipeline.

23 Q. Is it your understanding that the
24 alternatives, given the levels of nomination,
25 first-of-the-month nomination, that the only alternatives

1 available to MGE during this period was to withdraw from
2 storage?

3 A. No, that's not the only alternative. There
4 are always alternatives that could be less expensive or more
5 expensive. What I understand the Staff to have said here is
6 that they think the company should have ordered more
7 first-of-the-month flowing supplies, and they put in a
8 number that's based upon a warmer than normal mean value.

9 The problem is, if you nominate even a warmer
10 than normal mean value, you're not examining the
11 consequences of those, I think as we examined more than half
12 the days of the month in which you've got too much gas and
13 no place to put it from having nominated that high of level
14 of first-of-the-month volumes.

15 Q. Okay. But that does not speak to the method
16 of meeting the swing requirements from the company's
17 first-of-the-month nominations?

18 A. I think your question is, were there
19 alternatives other than using more storage? You could have
20 tried to buy gas on the highest demand days in the daily
21 market, as an example. You could have obviously not served
22 demand, I suppose, is an alternative which is very costly.
23 But given the choices the company faced and given the
24 resources it had contracted, it had adequate storage
25 contracted and it developed a plan based upon those

1 contracted resources.

2 Certainly if you choose not to use all of the
3 storage you've paid for and then in addition go into the
4 daily market on the days when demand is highest, that tends
5 to be, of course, the days when the gas prices are highest,
6 that tends to be an uneconomic decision.

7 Q. What is -- what is the purpose of hedging with
8 respect to natural gas prices?

9 A. Hedging with regard to the issues we're
10 addressing in this case is an attempt to reduce the
11 variability for risk surrounding price changes. It's
12 essentially an insurance policy against price increases or
13 decreases greater than expected. It's essentially a
14 judgment call that there's a consumer preference for
15 stability over the lowest possible price.

16 And I think many commissions and the National
17 Association of Regulatory Commissioners and the NRI have
18 concluded that that's a very tough judgment call to state
19 that, in fact, consumers have such a preference.

20 Q. But the purpose of hedging is to dampen the
21 effect of spikes in the price of gas; is that correct?

22 A. Spikes or drops. I mean, typically the hedges
23 that are either physical hedges, like storage or fixed price
24 contracts or financial instruments, are symmetrical. You
25 can attempt to buy asymmetrical callers or calls, but the

1 answer is the typical hedge storage in this case is a hedge
2 against price spikes or price drops.

3 Q. It's a hedge against price drops?

4 A. Yes. Technically risk is a deviation of above
5 or below the expected value, not just above, and hedging
6 reduces the variability above and below the expected.

7 Q. That's correct. But it's -- is it your
8 testimony that hedging is intended to protect customers
9 against drops in prices or is that merely a consequence of
10 hedging against higher prices?

11 A. When you enter into a hedge such as storage,
12 you enter into it knowing that the effect of it is to dampen
13 upward and downward volatility of prices. So whether that
14 is intended or it's a consequence, you go into that type of
15 a hedge knowing it works both ways.

16 And as I've said, there are other forms of
17 hedging mechanisms or price risk mitigation measures that
18 are asymmetric, that have different costs. A storage hedge
19 is one that you go into it understanding it dampens the
20 volatility up and down.

21 Q. You mentioned NRI and NARUC discussions or
22 considerations of using hedges to protect customers from
23 price volatility and indicated, I believe -- and I don't
24 want to misstate what you've said -- but indicated that
25 there's -- thought that that's something that customers

1 would want.

2 Are you aware of anything that suggests that
3 customers want to be protected against falling gas prices?

4 A. I think you actually did misrepresent my
5 testimony. My testimony was that the NRI research for NARUC
6 has indicated that it is very difficult for commissioners to
7 use their judgment as a surrogate for consumer judgment as
8 to the preference for hedging. Some customers prefer to not
9 be hedged. Many, in fact, do when given the choice prefer
10 not to be hedged.

11 If customers -- generally it's acknowledged
12 that customers have a preference for lower prices rather
13 than higher prices, and if it's possible to limit the price
14 hedge to simply protect against higher prices at a
15 reasonable cost, then that would be the preference of
16 consumers, but the problem is, of course, that that has a
17 much higher cost than an asymmetrical hedge.

18 Q. And is that particularly true when prices are
19 volatile?

20 A. The greater the volatility of prices, the
21 greater the price of any hedge, an asymmetrical hedge more
22 so than a symmetrical hedge.

23 Q. In the period, say, April of 2000 to February
24 of 2001, would you characterize the natural gas market as
25 volatile?

1 A. Yes, I'd say with the benefit of hindsight
2 that it was increasingly volatile during that period.

3 Q. Is it true that the Natural Gas Daily
4 publishes statistics on the volatility of gas prices on a
5 daily or weekly basis?

6 A. Different industry trade publications do. I
7 can't verify whether that one does.

8 Q. It wouldn't surprise you if it did, though?

9 A. Wouldn't surprise me.

10 MR. SCHWARZ: I would offer Exhibit 18 into
11 the record.

12 JUDGE WOODRUFF: I have a question about 18
13 for you, Mr. Schwarz. Just an explanation of exactly what's
14 shown on here. I see the bottom lines are by winter
15 seasons, and there appear to be two entries per season. Can
16 you tell me what those two entries are?

17 MR. SCHWARZ: I beg your pardon? On the front
18 page?

19 JUDGE WOODRUFF: Yeah. On Exhibit 18, you've
20 got the blue chart for January and the red chart for
21 November. But for -- and then down at the bottom you've got
22 the year. Let's just look at the first one for 1971-72.
23 You've got the first entry for November is somewhat above
24 600, the second entry somewhat below 800.

25 MR. SCHWARZ: The explanation is that the

1 graph would get extremely cluttered if you labeled the --
2 the first entry is for the year -- the heating season
3 '71-72. The second from the data on the second page is
4 '72-73. So they just labeled every other triangle, and I
5 guess those are squares.

6 JUDGE WOODRUFF: Thank you for that
7 explanation. That makes it much more clear.

8 MR. SCHWARZ: I'm glad I could finally explain
9 something.

10 JUDGE WOODRUFF: Exhibit 18 has been offered
11 into evidence. Are there any objections to its receipt?

12 (No response.)

13 JUDGE WOODRUFF: Hearing none, it will be
14 received into evidence.

15 (EXHIBIT NO. 18 WAS RECEIVED INTO EVIDENCE.)

16 JUDGE WOODRUFF: And before you go on into
17 another area, we're due for a break. Let's take a break now
18 and come back at 10:35.

19 (A BREAK WAS TAKEN.)

20 JUDGE WOODRUFF: Okay. We're back on the
21 Internet and let's go on the record.

22 When we left off, Staff was conducting
23 cross-examination of Mr. Reed. Continue with that.

24 MR. SCHWARZ: Staff has concluded its
25 examination.

1 JUDGE WOODRUFF: Okay. Then we'll come
2 forward to the Bench for questions, starting with
3 Commissioner Gaw.
4 QUESTIONS BY COMMISSIONER GAW:
5 Q. Good morning, sir. How are you?
6 A. I'm great. Good morning.
7 Q. Do you provide advice to LDCs around the
8 country on appropriate hedging mechanisms in a planning
9 role?
10 A. Yes.
11 Q. Do you -- do you provide that to MGE?
12 A. No, I don't think we've provided any planning
13 assistance to MGE on the issue of hedging.
14 Q. All right. So your involvement with this case
15 is as a result of the case itself and being asked to testify
16 in regard to the procedures and things that occurred in the
17 case during the time frame that we're dealing with in this
18 matter?
19 A. Yes, that's correct.
20 Q. When you do give advice to companies in a
21 prospective way, how do you evaluate how a company should
22 approach hedging? What factors do you look at?
23 A. That's a very good question. It starts with
24 trying to understand what I described earlier as the
25 consumer preference. You have to understand your customer

1 base. You have to understand the degree to which they wish
2 to be insulated against price movements. I can tell you
3 that with the number of utilities, the industrial customer
4 base would actually prefer not to have the utility engage in
5 some sort of price mitigation or risk mitigation.

6 With regard to core customers, residential
7 customers, I think one of the most constructive ways I've
8 seen it dealt with is by offering the customers a specific
9 choice and having a tariff that that's essentially an
10 unhedged tariff, and another tariff that customers can opt
11 for that may be partially or fully hedged.

12 It's interesting, in states that have
13 fixed-price options or lock-in options, as they're called, a
14 substantial portion of the customers choose not to opt for
15 the fixed price. They'd actually prefer to ride the market
16 up and down.

17 When it's explained to them that the fixed
18 price option, on average, would tend to be -- pick a
19 number -- 5 percent more expensive than the unhedged option
20 but much less volatile, the consumer preference expressed
21 there through the election is frequently to go with the
22 market.

23 So I always like to step back and say, first,
24 what you're trying to do here is to exercise some management
25 discretion over issues that really affect the customers, not

1 the company directly. The best thing to start with is
2 asking the customers what do they want.

3 I think there's testimony in this case that
4 suggests that a customer survey is appropriate. That's one
5 way to do it. I think the most effective way is actually to
6 give them a real choice and say, here's a hedged option or a
7 fixed-price option and here's an unhedged one, and see which
8 one they prefer, given all the information in front of them.

9 I think the second issue you have to address
10 is the regulatory environment surrounding hedging and what
11 does the regulatory commission, State or Federal, express as
12 its preference for a level of hedging, type of hedging, and
13 the treatment of costs of hedging. And, again, we've seen
14 commissions that literally have run the entire gamut from
15 saying, we want absolutely no hedging, to commissions that
16 have said, we want the entire price hedged for the entire
17 season, at least for core customers.

18 In states like California where the utilities
19 are encouraged to get out of the procurement role, to really
20 turn over the issue of both core and non-core procurement to
21 marketers, the judgment there has been that they don't think
22 the utility should be providing those options. The
23 marketplace should be providing those options, and they've
24 instructed utilities typically to avoid hedging within the
25 regulated business.

1 As I state, in Rhode Island, the commission
2 there supported the company hedging 100 percent of its
3 volumes through a third-party contract. They signed a lump
4 sum contract with Duke -- that's public information -- for a
5 fixed price for an entire three-year period, and they said,
6 we want complete stability. We don't care if it's above
7 market or below market. What we want is certainty. That
8 was made much more attractive by the fact that it ended up
9 being about 30 percent below market, but sometimes you get
10 lucky, sometimes you don't.

11 But really we've seen regulatory choices run
12 the entire gamut from a fully hedged position to a
13 prohibition on hedging. So that's a second element the
14 company has to consider.

15 The third really is the service area
16 specifics, demand, sensitivity to weather, weather
17 variability, and your alternative options, storage options,
18 supply options.

19 If you're a utility that's operating in Texas,
20 for example, close to the producing areas, it's typically
21 not a big deal to go out and procure additional supplies on
22 a daily, weekly or monthly basis, even in the winter. If
23 you're in New England, where my office is now, you don't
24 want to be running that risk. You don't want to run the
25 risk that in the middle of January you can get additional

1 pipeline capacity to bring gas up from the Gulf to Boston.

2 So each service territory has its own
3 specifics and you need to consider that, too, but really
4 those would be consumer preference, regulatory preference,
5 and the service area specifics are the types of things we
6 encourage our clients to look at.

7 Q. Okay. And without disclosing any names, do
8 you provide any advice to anyone else in Missouri on a
9 prospective basis?

10 A. We've done some work with Aquila in Missouri.
11 I would say it only peripherally has touched on hedging.
12 It's really been more on general gas supply strategies and
13 general corporate strategies.

14 Q. All right.

15 A. But not to any degree specifically on hedging.

16 Q. Anyone else on hedging in Missouri?

17 A. No, I don't think so.

18 Q. Okay. And when you're -- when you're
19 examining your three factors from the standpoint of -- of
20 looking through the eyeglass of prudence, how do those
21 factors -- then do all three of those factors continue to
22 play a part in light of the perspective of a prudence
23 review? First of all, that would be my question.

24 A. Yes. All three come into a review. You mean
25 a prudence review, of course, is a retrospective analysis

1 where you're saying is what the company did within a range
2 of reasonable behavior, what a reasonable person would have
3 done? Again, it's a range, not a specific point. And as
4 I've said in my testimony, I think when you get totally
5 unprecedented conditions as we had in 2000-2001, that range
6 actually expands, because you don't have the benefit of
7 prior experience having dealt with these issues.

8 But, yes, certainly when you look at the
9 customer issues, hopefully before you get into the heating
10 season you've ascertained what the consumer preference is
11 for hedging and you've developed a plan to provide some
12 level and hopefully an adequate level of hedging to the
13 customer. I think the company did it here when it submitted
14 actually a variety of prongs to try and approach hedging.

15 The second issue of regulatory construct,
16 again, hopefully that's been ascertained before you've
17 entered the heating season as to whether the Commission's
18 going to permit you to recover the cost of financial hedges
19 or whether the Commission has threshold criteria that you
20 need to meet with regard to a portion of the volumes being
21 hedged or something like that.

22 And then, finally, the service area specifics,
23 as Mr. Langston states in his testimony, that's something
24 you really have to respond to every day. You're looking at
25 the current conditions, the day ahead, the week ahead,

1 weather conditions. You're looking at your storage
2 inventory. You're looking at where you expect prices to go
3 and you're looking at what your options are with regard to
4 other sources of procurement.

5 And managing that on a day-to-day basis is,
6 A, a very complex undertaking, but also one that the
7 companies spend a lot of time looking at. And from what
8 we've seen here, I think the company is -- MGE has done a
9 very good job of considering all of those issues as it went
10 through 2000 and 2001.

11 Q. I understand your position on that. If I were
12 to break these down, first of all, on customer choice, when
13 you say the company had -- did have different programs in
14 place, what are you referring to there?

15 A. It had proposed different programs, is what
16 I'd said. It had proposed, first, essentially a hedging
17 program and then supplemented that with the FCP program,
18 which had the ability, if prices reached the trigger levels,
19 of hedging the entire commodity price.

20 And then it also proposed on an interim basis
21 doing a seasonal hedge, as opposed to a full year or
22 multi-year hedge. And that's when it recognized, I think,
23 in September of 2000 that its prior programs, even the one
24 that had been approved by the Commission, wasn't likely to
25 come into play, given where prices were at.

1 Q. But, in effect, there really wasn't any
2 customer choice in that season that was ever implemented for
3 whatever reason; would that not be accurate?

4 A. Yeah. I think there wasn't a customer choice.
5 The alternative programs the company had put forward, some
6 approved, some not approved, ended up essentially not being
7 able to be implemented within the terms approved by the
8 Commission. So the company did what it could within its
9 existing authority, but there wasn't the type of choice
10 that, I think, allows customers to express the most clear
11 preference. Going forward, I think that's something that
12 would make sense to look at here in Missouri.

13 Q. There are -- and you discuss some of those
14 possibilities, but none of those, the general discussion you
15 had about giving customers a choice about what program to
16 opt into, that was not a factor and was not in play in --
17 during this -- during this period of time that we're
18 examining?

19 A. Based on my understanding, I don't think that
20 was an option that anybody in Missouri offered at that time.

21 Q. Yeah. I'm just trying to narrow this down a
22 little bit. On the second factor dealing with the
23 regulatory environment, what position did you -- do you
24 believe the company found itself in, in regard to the
25 regulatory policies that were or were not in effect during

1 that time frame?

2 A. I think it found itself in --

3 Q. In Missouri.

4 A. Yeah.

5 -- in a position that was at best unclear. It
6 had gone through the prior year's programs that had specific
7 authorizations for specific years with regard to the hedging
8 budgets and the hedging programs that were approved by the
9 Commission. Of course, that had been modified into the FCP
10 program for 2000-2001, which included the ability to lock in
11 the commodity prices also, the ability to use hedges, but
12 within certain limits of trigger price on the fixed
13 commodity price and the ceiling price on the hedges to be
14 used.

15 Again, the company, I think, beginning in June
16 saw that there was a likelihood that -- at least a
17 possibility that those may not be able to be utilized within
18 the terms of that settlement at that time, the unapproved
19 settlement. And then later, as the settlement was approved,
20 the company once again saw realistically that it wasn't
21 going to be able to implement the program because of the
22 triggers and the ceilings contained in it.

23 It went back to the Commission Staff and asked
24 for modification of the trigger provisions and the ceiling
25 provisions which, of course, didn't happen. And then it

1 proposed some alternatives, such as doing short-term hedges
2 versus long-term hedges, just for the heating season. And
3 there also wasn't agreement -- or I should say there wasn't
4 Commission approval for those alternatives as well.

5 It found itself in the somewhat confusing
6 position of having had prior programs that had been
7 specifically approved, but did not have one that had been
8 specifically approved that was capable of being implemented
9 for that year. So it was a difficult position.

10 Q. So if we're looking at what we can put under
11 the category of hedging for this particular year, are we
12 just looking at storage?

13 A. No. I think that realistically there were
14 three alternatives. Storage was one. The second was
15 entering into fixed price contracts.

16 Q. I mean that actually occurred now?

17 A. Yes. Storage did occur. Fixed price
18 contracts did occur.

19 Q. All right.

20 A. Financial instruments, I believe, did not get
21 utilized, at least to my knowledge.

22 Q. Okay.

23 A. And that was probably the area of greatest
24 uncertainty.

25 Q. Now, in regard to the storage -- well, let me

1 come back to that.

2 Let me go to your category three, service area
3 specifics. Can you give me more detail on what service area
4 specifics would have been factors, what categories within
5 that -- that category, what subcategory would have been
6 important in this particular year for MGE?

7 A. Uh-huh. The first is everything that drives
8 demand. So that would be weather, and that would be service
9 area economics and usage characteristics. How much of your
10 demand is weather sensitive, how highly weather sensitive is
11 it, what portion of your throughput is the weather sensitive
12 demand, and then, of course, the variability of the weather
13 itself. So all of those things go into the development of a
14 supply plan and a hedging plan.

15 The second issue is proximity and access to
16 alternate markets. You've got a certain set of contracted
17 supply resources, but when you get to unforeseen
18 circumstances, what flexibility do those contracts provide
19 you and what alternate resources are available?

20 For example, you know here the company
21 actually was able to enter into a short-term interruptible
22 storage contract that supplemented its existing services.
23 It also was able to go out and buy gas mid-month during the
24 daily market and didn't face an ill liquidity in that
25 market. You'll find in other regions of the country that

1 liquidity in the daily market is a lot less than it is in
2 this portion of the country.

3 So it's really those issues that drive the
4 sort of day-to-day supply and management. It's the demand
5 side and it's the supply side, and obviously you have to
6 consider your flexibility and your need for flexibility on
7 both.

8 Q. All right. I want you to go back, then, to
9 the first subcategory on dealing with variability and such
10 things as weather and other things that are under that
11 category and evaluate MGE's -- how MGE is under that
12 subcategory.

13 A. Okay.

14 Q. Sorry for the question.

15 A. The company undertook what I would describe as
16 analyses that were fully consistent with industry standard
17 with regard to identification of heat-sensitive loads and
18 non-heat-sensitive loads and --

19 Q. Let me stop you. I'm not asking for your
20 opinion yet --

21 A. Okay.

22 Q. -- about how they handled that.

23 I want to know the specifics of their
24 territory and the weather patterns in relationship to what
25 you know about other places around the country --

1 A. Okay.

2 Q. -- so I can get a feel for how much of a
3 variable this is when you're dealing with that subcategory.

4 A. From what I've seen of MGE's service
5 territory -- and obviously I haven't done an extensive study
6 of it -- it follows in line with an LDC that typically
7 serves a mix of urban, suburban, a little bit of rural and
8 industrial loads. Its principal customer base are customers
9 that use natural gas for residential and space heating
10 purposes. It's not a system that's dominated by industrial
11 use. It's not a system that's dominated by electric
12 generation use. It's not a system that's dominated by
13 off-peak uses, such as irrigation or something like that.

14 So it's a fairly traditional LDC, and as
15 such, it's subject to the traditional level of weather
16 sensitivity in its loads. The difference, of course, here
17 is that you don't have the degree of weather sensitivity
18 that you do in a much more northern climate that has 2 or
19 3,000 more heating degree days in a year than the western
20 part of Missouri does.

21 Q. Is that because of the -- of the coldness of
22 the weather or the temperature in the northern parts?

23 A. Yeah, the northern climates. And if you're
24 talking about a study for the upper peninsula of Michigan or
25 Minnesota, obviously you've got extraordinary peaks there

1 and you've got overall for the heating season a much higher
2 level of heating degree days than you do here.

3 Q. Okay. So -- and so because of that, over a
4 longer stretch of time during the winter, then, it's a more
5 significant factor; would that be accurate?

6 A. Where weather is a more significant factor in
7 those northern climates, and you can also have an incredible
8 variability in the winter seasons in many of those areas.

9 Q. Describe that a little bit for me, would you.

10 A. I'm talking about a good measure of the
11 weather sensitivity for supply planning purposes, what's
12 called the design day criteria for an LDC. You'll see some
13 LDCs in northern climates that have a design day criteria of
14 85 degree days, which is a standard which the average
15 temperature for the day is 20 below zero Fahrenheit.

16 That's a pretty extraordinary standard. That
17 may be 30 degrees -- or 30 heating degree days for that day
18 or 30 degrees mean temperature higher than the average, and
19 it may require extraordinary efforts with regard to supply
20 and planning. You don't have that level of extended peak
21 demand here that you do obviously in Odin, Michigan or Green
22 Bay, Wisconsin.

23 Q. When you have that, that type of an
24 environment, and you're dealing with the hedging issue, what
25 do you recommend that is done in those areas that would be

1 different than a recommendation in an area more like the MGE
2 territory?

3 A. The -- those service territories tend to
4 experience what are called needle peaks, a peak that can
5 last for a day, two or three days of extraordinary cold,
6 something like 85 degree days. And they tend to be met
7 through what are called supplemental supply resources, which
8 include liquefied natural gas L&G tanks that can take L&G,
9 vaporize it, put it into the system. It's right there.
10 It's a fixed amount of liquid in storage.

11 They use propane air systems, which is the
12 same sort of thing. We use propane as feed stock for
13 converting into natural gas equivalent. It uses local
14 supply in that area. It doesn't depend upon the pipelines
15 and doesn't depend upon buying additional gas.

16 So essentially those represent something
17 analogous to storage, but it's storage for three days, five
18 days, ten days of peak supply, as opposed to a winter
19 season. And where you have those times of extraordinary
20 peaks, that type of supply tends to reflect the most
21 economic option for meeting those needle peaks.

22 Because that is a feed-stock-based solution
23 using L&G or naptha, in some cases, or propane air, it
24 doesn't have a price risk issue associated with it. You
25 typically procure the supply in the fall or in the summer,

1 fill up your tanks and, like storage, you're buying gas in
2 the off-peak season, so there's a degree of a natural hedge
3 to it.

4 So you're able to actually experience and deal
5 with very great weather sensitivity without the need to
6 engage in greater risk management capabilities because you
7 have a natural hedge through the feed stock.

8 Q. That's -- and that's not something that you
9 would normally see in an area like what MGE has; is that
10 what you're saying?

11 A. That's typically correct, because of weather
12 and because of proximity to supply. If you're in Green Bay
13 or if you're in Maine, in order to meet peak day demands, if
14 you rely entirely on pipeline supplies, you'd have to
15 procure pipeline capacity from the Gulf Coast all the way to
16 Maine for 365 days a year.

17 Q. It would be extremely expensive?

18 A. It is. If you're talking about a shorter
19 distance to procure pipeline capacity for, it would be
20 different than procuring 2,000 miles of pipeline capacity.

21 Q. All right. And does that sort of get into
22 your second subcategory on dealing with proximity to
23 markets?

24 A. Yes.

25 Q. Could you go into that?

1 A. Proximity to supply sources. The closer you
2 are to the supply source, the more economical pipeline
3 alternatives will be and typically more economical storage
4 will be because they're concentrated closer to your service
5 territory.

6 In contrast, again, if you're looking at Maine
7 as an extreme example, you tend to rely on market area
8 storage, which would be developed, for example, in upstate
9 New York, which is more expensive than the supply area
10 storage. And you tend to develop a reliance on peaking
11 supplies such as L&G, propane and so forth, rather than
12 pipeline supplies.

13 Those are needle-peaking and short-term
14 peaking options which you take advantage of because you
15 don't want to procure a substantial increment of supply for
16 something that's going to be used that infrequently,
17 something that's going to be used five days of the year.

18 If you're closer to the supply source, you
19 have a lot greater options, you have greater variability in
20 terms of the access to different wellhead markets, the
21 access to different storage fields and, therefore, typically
22 the degree of reliance on those more extreme measures of
23 supply source isn't required.

24 Q. And, of course, in comparison to Maine, MGE
25 would be closer to supply sources?

1 A. Yes.

2 Q. If you would, would you -- go through and
3 evaluate that factor with -- in regard to MGE.

4 A. Just that it is closer certainly to
5 mid-continent supply sources, Hugitan Fields for example.

6 Q. If you could just describe the supply sources
7 that MGE has, the positives and negatives of the supply
8 sources and -- and the pipelines transmitting the gas.

9 A. Well, if you look at the principal pipelines
10 we've talked about here, Williams Central, Panhandle Eastern
11 Pipeline, KPC, you're talking about supplies that are
12 primarily mid-continent supplies, which is Kansas, Oklahoma,
13 Texas, and it can draw from those areas. You also have a
14 mix of pipelines here that's obviously beneficial, as
15 opposed to some systems that have a single pipeline serving
16 them. So you can access different production areas, you can
17 access different supplies, different storage options.

18 And as I said, the shorter distance between,
19 say, Oklahoma and Kansas City is an advantage for pipeline
20 supplies over something else, because you're not contracting
21 for a long distance. So Missouri Gas Energy benefits from
22 the diversity of supplies, the diversity of pipelines and
23 the relatively close distance in terms of access of those
24 supplies.

25 Q. Is there -- is there -- are there any

1 negatives in regard to the MGE system dealing with those
2 supplies that you -- that you would note?

3 A. None that come to mind. I think any supply
4 planner would say they'd rather plan for the Missouri Gas
5 Energy system than the Northern Utility system in Portland,
6 Maine.

7 Q. In --

8 A. It's a whole different system.

9 Q. In regard to the choices of pipelines, what
10 pipelines, again, does MGE have access to?

11 A. Talked about Williams Central. We talked
12 about Panhandle Eastern Pipeline. We talked about KPC. I
13 believe there are others that are in proximity. I'm not
14 sure if the company has any contracts on other pipeline
15 systems. There are also upstream pipeline systems feeding
16 those pipelines, which is relevant as well.

17 Q. And how so, for the record?

18 A. To the extent that, for example, Williams
19 Central is interconnected with probably ten other interstate
20 pipelines at least, it is able to access supplies from even
21 further -- other basins. So although there may not be, for
22 example, a direct connection to Rocky Mountain supplies, you
23 can certainly access Rocky Mountain supplies through
24 pipelines that feed Williams Central.

25 Q. Anything about the -- there's some discussion

1 in some of the testimony about the amount that is charged on
2 the KPC line. Is that in any way a factor in regard to as a
3 negative on the supply sources of MGE?

4 A. Higher prices are always a negative, relative
5 to lower prices, but that's a federally approved rate by the
6 FERC, in terms of service approved by the FERC. I guess I'd
7 hate to draw a conclusion from the federally approved rate
8 and say that it's a negative.

9 Q. But in regard to evaluating the benefits of
10 different sources, is that a factor?

11 A. Sure. Cost of transportation is always a
12 factor.

13 Q. Okay. The approach that is taken by MGE in
14 utilizing storage in November, is that -- is that a -- is
15 that a procedure that you recommend to your clients when
16 they're looking at how best to manage their supplies? Do
17 you normally recommend that the companies utilize more of
18 their storage in the first part of the winter season?

19 A. That's an issue that's very specific to the
20 service area conditions and to the supply alternatives of
21 that company. Here, I understand why the company's made
22 that choice, because of the lack of flexibility they have
23 with other alternatives and with the very high level of
24 variability that they have of demand in November.

25 If a company were to ask our opinion as to

1 whether that type of a structure is reasonable under those
2 circumstances, the answer is that I think it is.

3 Q. I guess what I'm asking you is whether or not
4 that is what you normally recommend to other companies in a
5 prospective manner?

6 A. I think the answer is there isn't a normal,
7 unfortunately. Every company is different and you need to
8 look at the variability of other supply sources, you need to
9 look at the variability of demand, and then make a storage
10 plan that reflects those facts.

11 Q. And tell me -- tell me the circumstances that
12 would exist when we would recommend not utilizing storage
13 earlier. Again, I'm talking about in a prospective way.

14 A. Okay. Let me give you an example of a utility
15 in New York that we've worked with, Keyspan, which was
16 Brooklyn Gas. They tend to use less storage in November as
17 a proportion of their total annual storage than Missouri Gas
18 Energy does. One of the reasons that they have that as an
19 option or that that's probably the right answer for them is
20 that they have the flexibility in two ways on their system
21 to accommodate swings up and down in November.

22 I think realistically they also don't have the
23 variability in November that Missouri Gas Energy does. But
24 even so, they have what's called salt dome storage, which is
25 a high deliverability storage option that can inject and

1 withdraw gas daily, and they start the season with that
2 essentially half full, and they have the ability throughout
3 the season to pump gas in and take gas out, and to avoid
4 pipeline imbalance charges and to avoid short-term
5 unexpected swings on the system.

6 So the extent that they over-nominate flowing
7 supplies or over-nominate any other source of supply coming
8 to their service territory, they're in New York, which is
9 where the salt dome storage is. They have the ability to
10 use that to pump gas in and out on a daily basis.

11 They also have right in their service
12 territory something which you don't see very much anymore,
13 but they have what are called above-ground gas holders,
14 which are giant holders, and they have large number of them
15 that they still use every day to absorb swings on the demand
16 side of the system.

17 Before the gas ever gets to their citygate,
18 they're able to control demand swings within their
19 distribution system through the use of, I think the last
20 time I checked, something like 12 above-ground gas holders.

21 So that type of flexibility says you can
22 probably take the chance of using less storage in or
23 nominating storage in the plan in November because you have
24 the ability to put gas someplace and use something else as
25 the shock absorber. I use that term again in my testimony

1 that that's one of the primary benefits of storage for MGE
2 is it serves as a shock absorber.

3 If you have other things like salt dome
4 storage and above-ground gas holders that are also very good
5 shock absorbers, you can use storage as more of a seasonal
6 service, as opposed to a shock absorber. And I think what
7 Ms. Jenkins has suggested in this case is an example of
8 someone saying, you should be using storage more as a
9 seasonal resource, less as a shock absorber.

10 Well, that's not the way it's been designed on
11 the Missouri Gas Energy system. It's not the way the
12 portfolio has been developed in this system. So while you
13 would normally see a profile of underground storage that
14 follows a seasonal pattern of November, December, January as
15 degree days, that's not always the case and that's not the
16 way this portfolio was designed, and I think appropriately
17 so.

18 Q. And, again, when you say appropriately so, can
19 you give me -- I know you've already discussed this, but
20 give me your breakdown of why it is appropriate in this case
21 for MGE to have to utilize this as a shock absorber, as you
22 put it rather than --

23 A. Seasonal profile.

24 Q. -- based on seasonal profile.

25 A. Two reasons. First of all, their proportion

1 of storage in their winter season mix is very high. In
2 order to make full use of storage they really need to enter
3 November with storage full or virtually full. They did that
4 this year. That way you're getting maximum deliverability
5 out of your storage throughout the entire heating season.

6 You've also got storage here that's
7 reservoir-based storage, not salt dome storage they've
8 contracted for, and that is the type of storage that is very
9 difficult to inject into the storage during the heating
10 season, during the withdraw season. So you enter it full.
11 You really can't inject into November because it's full and
12 you also can't turn the field around. So it's the type of
13 resource that until you create that head room in the field
14 by having some of your reserves, your supplies withdrawn, it
15 really is a one-way flow.

16 You also -- I don't want to get into HC
17 issues. I think there -- if I say there's some tariff
18 issues that we probably shouldn't get into on open record,
19 that dictate storage mix as a percentage of throughput.

20 Those are all peculiar to the MGE system.
21 Type of storage, the reliance on storage, the fact that you
22 want to enter the season with it full or virtually full, and
23 the fact that you've got flow restrictions in terms of how
24 much the flow coming into the pipeline system has to be
25 representative of the storage withdrawals. That all says

1 that this is not your typical seasonal storage resource.

2 That doesn't mean it's a bad resource. It means it's a
3 resource designed for some other use.

4 What it says is, it's not the kind of thing
5 that you can count on to absorb over-nominations in the
6 November period. That's the way the company's developed its
7 plan is to reflect that reality.

8 Q. In looking at what went on in November of
9 2000, that -- in regard to what had occurred in previous
10 years with storage use by MGE, it is true, is it not, that
11 there was more storage utilized than what had been done in
12 past years?

13 A. Yes. In the month of November, we're talking
14 about?

15 Q. In November.

16 A. Yes.

17 Q. And can you tell how much of that storage use
18 that varied from the past was due to weather?

19 A. Yes.

20 Q. And how much -- how much of that do you
21 believe was due to the weather?

22 A. Approximately 70 percent. I mean, let me
23 correct the math there, make the math clearer. The usage of
24 storage in November was 70 percent above plan. The plan is
25 developed on a normal weather scenario. What was actually

1 done was based upon, of course, actual weather.

2 There was no attempt in November to engage in
3 what I'll call price management as there was in December.
4 In December the decision was consciously made to try and
5 keep the prices as low as possible to the consumer under
6 those circumstances by utilizing a higher proportion of
7 storage and hope to buy later in the month, mid month or
8 daily markets, rather than first-of-the-month markets.

9 But with regard to November, I would attribute
10 all of this greater than expected volume of 70 percent
11 beyond the planned level as being attributable to the
12 weather.

13 Q. All right. So you believe that in the month
14 of November all of the extra storage that was utilized was
15 utilized because of the -- of the additional heat gas
16 necessary to heat homes, et cetera, because of the cold
17 weather in November?

18 A. That's correct. There was no price management
19 going on. There were no failures of other supply sources.
20 It was simply the operational choice to meet additional
21 demand.

22 Q. And could -- could have -- could MGE have
23 utilized other gas sources besides the storage to meet that
24 additional demand from what was weather related?

25 A. Yes.

1 Q. And how much of that could have been done
2 without taking that additional 70 percent as you said in
3 storage?

4 A. That question's probably best put to
5 Mr. Langston. I'll just leave it, I think that's better in
6 terms of volumes that could be taken on mid month or daily
7 purchases.

8 Q. And what about the -- and I want your -- I
9 want your analysis about why that would not have been a good
10 idea, in your opinion.

11 A. I think you can say with the benefit of
12 hindsight it probably would have produced lower cost, but
13 viewing it based entirely on the conditions as they
14 prevailed at that time, prices were at an extraordinarily
15 high level in November. When you're facing the choice of
16 using \$4 gas that you've injected into storage in the summer
17 versus buying gas at \$6, going to \$7, going to \$8 during the
18 month of November, you're saying realistically, do I want to
19 incur that level of, you know, peak pricing associated with
20 the coldest November or the second coldest November in
21 history?

22 The expectation -- and again, there's a lot of
23 material in my exhibits which talk about what others were
24 thinking during the month, but the expectation was that
25 normal weather was going to return to the mid part of the

1 country. There was an expectation the crises would --
2 prices would start to come down, and that, therefore, those
3 people that had chosen to shepherd their storage were going
4 to find that buying gas mid month was an expensive
5 alternative.

6 So the question that I asked when I'm looking
7 at the issue before us in this case is, was that conduct by
8 MGE within a range of reasonable conduct, based upon the
9 circumstances at the time on what they knew and what they
10 should have known. I think it clearly is. In fact, I'd say
11 it was well within the mainstream of thought within the gas
12 marketing and trading community that taking gas out of
13 storage in that month represented the most economic
14 alternative, compared to making the interim daily purchases.

15 Q. If there had been a policy that had been
16 established and was clear that storage on MGE's system
17 should be utilized more from the standpoint of protecting
18 price spiking upward, would it then have been reasonable for
19 MGE to have done what it did in November of 2000?

20 A. You need to weigh any objective you have for
21 the use of storage with regard to price risk management in
22 regard to the primary concern for storage, which is
23 reliability. I mean, the first thing you want to make sure
24 is you've got enough gas in storage to meet the design
25 conditions for the balance of your heating season. Of

1 course, that's Issue No. 1; you don't run out of gas.

2 Q. Right.

3 A. Within that context, if there had been a
4 policy that you should operationally dispatch storage so as
5 to use it beyond its natural hedge, which is the fact that
6 you've got gas that you bought in the summer going in, as
7 opposed to gas bought in the winter, but you should shepherd
8 storage in a way to manage price risk throughout the balance
9 of the winter, do I think the company would have acted a
10 little bit differently? Maybe, maybe not. It still comes
11 back to an expectation about where those spot prices are
12 going.

13 Remember, you're talking about buying gas in
14 November, mid month, and in mid month for December as well,
15 that was higher than it had ever been in those months ever,
16 and that was in many cases almost twice what the forecast
17 levels were for price just 60 days earlier. People were
18 saying gas prices might get to \$4. Well, they got to \$8.
19 Then they said they might get to 5. Then they got to
20 \$12.

21 So, in fact, you know, I look at the type of
22 criticisms that were leveled against other LDCs around the
23 country, it was primarily for doing that. It was primarily
24 for going into those markets and buying mid-month spot
25 prices at \$8, \$10, \$12, not for saying that they should not

1 have used storage to try to manage the price problems they
2 were failing. So did I say that they would have done
3 anything differently? My guess is they wouldn't.

4 I think their judgment would have been the
5 same, that they didn't expect those prices, those very high
6 spot prices to continue to prevail and, therefore, it was
7 better to utilize the natural hedge they had in storage
8 first, and then buy mid month or first of the month the
9 following periods that were expected to be lower prices,
10 more normal prices. As it turned out that judgment was
11 wrong, but it was their judgment within the range of
12 reasonable behavior.

13 Was it within the mainstream? I don't think
14 there's any question about that. I think it was.

15 Q. And just to clarify, you don't believe it
16 would have made any difference in your evaluation of whether
17 it was reasonable or not for them to do something similar to
18 what they did if there had been a clear -- a clear
19 enunciation of policy without commenting on whether there
20 was or was not at the time regarding the use of storage as
21 hedging and shepherding it through the season?

22 A. If there had been a clear policy enunciated in
23 advance that its primary purpose or one of its primary
24 purposes would have been reasonable for the company to defer
25 storage withdrawals, yes, it would have been reasonable.

1 Would it have been imprudent for the company under those --
2 those circumstances to do what they did? I don't think so.

3 Q. In December tell me how -- again, how that
4 changed from November.

5 A. The difference introduced in December was
6 there was more conscious choice made with regard to price
7 management. There was a conscious choice that said, we're
8 going to under-nominate first-of-the-month flowing supplies
9 to the tune of about 20,000 a day, because we believe
10 there's going to be significant downward movement in
11 intra-month prices, as opposed to first-of-the-month prices.

12 And, again, from the articles that we've
13 presented here in the exhibits to my testimony, you can see
14 that there were many other people in the gas market who felt
15 the same way, that mid-month pricing was going to break
16 significantly off of first-of-the-month pricing.

17 As it turned out, because of a new cold snap
18 that came in in December, that wasn't the case. But there
19 the decision on first-of-the-month noms and the use of
20 storage was also affected by that additional factor of
21 engaging in clear decision with regard to price management,
22 that wasn't a key factor in November for the
23 first-of-the-month decisions there.

24 Q. Back just briefly to the issue of reliability,
25 did you have an opinion in regard to the issue of

1 reliability of the system if MGE had chosen to not utilize
2 the additional storage it utilized in November? Would there
3 have been reliability problems on the system?

4 A. No, I don't think there would have been
5 reliability concerns if they had left the gas in storage.
6 The bigger issue, really, was if you take it out now, are
7 you introducing reliability concerns, and no one in this
8 case has suggested that the company introduced reliability
9 concerns by doing that. The only issues that have been
10 raised are price issues.

11 Q. Just so I'm sure I'm following you, you did
12 not see reliability as an issue if MGE had not utilized the
13 storage in November that it utilized in a variance from its
14 past practices?

15 A. In terms of the variance from plan, no. Their
16 plan is developed with regard to a fairly high level of
17 withdrawal in November, which does have an issue with regard
18 to variability. But the deviation from planned that
19 resulted, I don't -- if they had chosen to shepherd those
20 supplies and bought in November on the mid-month market, do
21 I think they would have made the reliability problems worse?
22 Not that I know of.

23 And, again, Mr. Langston, who is much closer
24 to the fact at that time, may have a different view, but I
25 haven't seen anything that would have said November's

1 deviation would have introduced reliability problems.

2 COMMISSIONER GAW: I think that's all. Thank
3 you, sir.

4 JUDGE WOODRUFF: Thank you. Commissioner
5 Murray?

6 COMMISSIONER MURRAY: Thank you.

7 QUESTIONS BY COMMISSIONER MURRAY:

8 Q. Good morning, Mr. Reed.

9 A. Good morning.

10 Q. You mentioned earlier that MGE's type of
11 storage -- I think you called it reservoir based?

12 A. Yes.

13 Q. -- storage versus salt dome storage, was that
14 the other?

15 A. Yes.

16 Q. And you indicated that it's more difficult to
17 inject back into the type of storage that MGE has; is that
18 correct?

19 A. Yes.

20 Q. Wouldn't that argue for keeping the storage
21 levels higher going into the winter?

22 A. Yes. Well, what it -- I'm not sure it would
23 argue for that. What it says is, in order to fully utilize
24 your storage for the winter, you want to go in with the
25 storage full because your ability to inject in January or

1 December is probably going to be very limited. So you want
2 to start the season with it full.

3 Then the subsequent corollary to that is that,
4 because it's full in November, if you suddenly face an
5 excess gas situation on your system because demand has
6 dropped for weather purposes and you've nominated a high
7 level of flowing supplies, you've got no place to put that
8 gas.

9 Q. Which is uneconomical?

10 A. Yes. You're dumping that gas frequently into
11 a market that has dropped 50 cents a decatherm or something.

12 Q. In that there was a high level of storage used
13 in November -- and I've listened to the arguments about the
14 volatility of the month of November and the need for using
15 the storage that way in November. Was the reason that MGE
16 then did not start to use less storage in December, was that
17 reason based purely upon the forecast for what prices were
18 going to do during the month?

19 A. I don't think I would say solely, but that
20 certainly was an issue that was an influence on the decision
21 as to what they thought prices in December were going to do.

22 Q. Otherwise, if they thought prices were going
23 to remain level or perhaps go up, it would make sense to
24 stop using as much storage going into the month of December,
25 would it not?

1 A. I think they actually had a better choice,
2 which was if they had thought prices were going up, if they
3 had known what was going to happen, what did happen was
4 going to happen, they would have probably bought additional
5 first-of-the-month supplies which lock in the price for the
6 month, as opposed to buying mid month or using more storage.

7 Q. From what you understand of Staff's position
8 in this case and what they're proposing that MGE should have
9 done, do you think that that -- that Staff's position is
10 that there should be a minimum of 30 percent hedging for all
11 years?

12 A. The Staff has been pretty careful about saying
13 they don't view this as an absolute standard. They view it
14 as one that they've introduced for this case and this year
15 only, and for this utility only. So they've tried to avoid
16 making a generic standard across companies and years, but
17 they have said that they interpret this 30 percent threshold
18 as applying to each month individually, not the heating
19 season collectively, which I found to be a rather odd
20 prescription for hedging.

21 Q. And is it accurate that MGE used the same plan
22 in terms of withdrawal of storage and first-of-month flowing
23 gas that they've used for -- well, basically since 1998?

24 A. Yes. Mr. Langston speaks to that in his
25 testimony. And as long as you're asking a question about

1 the plan going into the heating season, the answer is yes.

2 Now, there's been a little confusion in the
3 report here, because there were subsequent plans developed
4 during the heating season, after the first month, after the
5 second month, after the third month. Those plans for
6 storage utilization in 2000-2001 looked different because
7 you had already had one month of abnormal experience.

8 But going into the heating season, the plan
9 for 2000-2001 was the same as the -- substantially the same,
10 if not identical, to the plans developed for the prior three
11 years.

12 Q. So is the challenge that Staff is making here
13 to the changes that were made to the plan or to the plan
14 itself?

15 A. That's best asked of them, but the way I read
16 their testimony, they're challenging both. I think they are
17 now taking the position that the plan was imprudent and the
18 implementation of actual operations was imprudent.

19 Q. And they did not challenge in '98-99 or
20 '99-2000, the plan; is that correct?

21 A. Yes.

22 Q. And the results were different in those two
23 years from implementation of the plan; is that correct?

24 A. Yes. Those years, of course, were much warmer
25 than colder.

1 Q. And you stated earlier that storage hedging
2 dampens the volatility in both an upward and a downward
3 direction; is that correct?

4 A. Yes.

5 Q. So if Staff had challenged MGE's plan in
6 '98-99 or '99-2000, they would have been challenging a
7 result which eliminated downside volatility; is that
8 correct?

9 A. Yes, I think so.

10 Q. So it's okay from Staff's point of view as
11 long as the downside volatility is not protected, but it's
12 not okay if the upside volatility is not protected; is that
13 your understanding?

14 A. It is. And I think the Staff has
15 characterized that as sort of the no harm/no foul approach,
16 that, well, we may or may not have liked what they did
17 before, but it didn't result in adverse cost to the
18 consumer, so we didn't challenge it.

19 At least this is my characterization, I should
20 say. I don't think that's an appropriate standard of
21 conduct. If the answer is you believe that a plan is
22 imprudent, that should be communicated clearly to the
23 utility, regardless of whether you think that plan happened
24 to get by by being lucky that year.

25 Q. And that is, as I understand it, because it is

1 the conduct that has to be prudent or imprudent, as
2 separated from the results that result from that conduct; is
3 that correct?

4 A. Yes, it is. And that's a point that in NARUC
5 we have enunciated quite a number of times, that prudence
6 relates to decisions, not to results. And unfortunately,
7 I've seen a number of prudence cases where people focus on
8 the result and say, this results in an above average cost,
9 therefore, it's imprudent. Well, prudence relates to
10 decisions, to conduct, not to results.

11 Q. And it has to be evaluated based upon
12 circumstances that were known at the time the decisions were
13 made, does it not?

14 A. Yes.

15 Q. And at the time the decisions are made, you
16 don't know the results; is that right?

17 A. You don't know results, you don't know the
18 weather, you don't know prices in the future, that's
19 correct.

20 Q. On page 42 of your direct testimony you --
21 beginning on line 21, you say, while MGE attempted to
22 implement the price stabilization fund on a modified basis
23 to reflect then-current market conditions, Staff did not
24 support such effort.

25 Would you expand on that a little bit and

1 explain the atmosphere or the situation that it left MGE in,
2 as far as understanding what the Commission wanted going
3 forward?

4 A. What this is referring to is, of course, the
5 attempts by the company to engage in discussions and
6 restructure the settlement. When it became apparent that
7 because the trigger mechanism would not be reached and, in
8 fact, the caps established for the hedges were going to be
9 out of market, they would not be able to be implemented, the
10 company came back and sought modification of the trigger
11 level, the cap level, and even the length of time on which
12 they would hedge, and suggested higher levels for the prices
13 and also suggested a shorter-term hedge.

14 Staff did not support that. The Commission
15 did not approve any modifications to the program or a return
16 to the prior year's program under the PSF. The company,
17 from my reading of the evidence, at that point found itself
18 in the position where they had had very explicit approval in
19 the prior years for their hedging programs, and it was
20 specific to that year, it was specific to a budget that
21 authorized certain types of activities.

22 Those approvals had expired, and essentially
23 what was in place, which was the FCP stipulation, and that
24 had been approved and technically was in effect, but it was
25 essentially a nullity because the circumstances would not

1 permit the activities under the FCP stipulation to be
2 undertaken.

3 So it then had to resort to sort of the normal
4 course of business and what it could do to maintain price
5 stability in terms of use of its storage, as well as the use
6 of fixed price contracts.

7 And the company did go out and expand its use
8 of fixed price contracts, and it did attempt to use its
9 storage in a way to act as both a demand shock absorber as
10 well as a price shock absorber. But obviously it was under
11 circumstances in which what they had hoped to occur through
12 the FCP stipulation did not occur.

13 Q. So what could MGE have gleaned from the
14 actions that the Commission had taken to that point in terms
15 of what the Commission expected for their hedging program?

16 A. Well, what they could glean was the
17 authorization they had sought in terms of the return to the
18 PSF program had been denied. They could glean -- so,
19 therefore, they knew that wasn't the answer, that that
20 wasn't something the Commission supported. At least it
21 wasn't something the Staff supported and the Commission
22 agreed.

23 And at the same time, it had the Commission's
24 approval of the FCP program, which expresses a preference
25 for hedging, but hedging under conditions that no longer

1 were relevant. So I would say the answer is, it got mixed
2 messages from the Commission, but the controlling message
3 was one that the only thing we will approve is something
4 that we now recognize isn't capable of being undertaken.

5 So I think the best answer is, it received
6 mixed messages. At that point I would say it had no clear
7 direction from the Commission with regard to how much
8 hedging the company should engage in, and the company did
9 the best it could under those circumstances.

10 Q. Do you think it's important for a company to
11 have direction from its regulatory body as to the types of
12 hedging that the Commission considers appropriate?

13 A. I do. I support the recommendations that the
14 NRI has given to the state commissions with regard to
15 developing proactive programs on hedging and developing
16 explicit guidelines for companies in advance of their
17 hedging activities. I also -- just as a brief aside, I had
18 an opportunity last night to read for the first time the
19 rulemaking that's just come out here May 1st in Missouri as
20 the proposed rulemaking providing guidance on hedging, and I
21 think that's a good example of what could be done on a
22 proactive prospective basis, that type of guidance.

23 And, again, you can wordsmith the document,
24 but that type of guidance that's explicit guidance about the
25 objectives the Commission has on a going-forward basis is

1 what I wish had been there in 2000-2001.

2 Q. When you -- when MGE received authorization
3 for the price stabilization programs that were in effect
4 during the previous years, did the company at that time have
5 to show the Commission that or convince the Commission that
6 there would be no detriment to the ratepayers in order for
7 those programs to -- if those programs were in effect, do
8 you know?

9 A. I don't remember the standard of no detriment.
10 Any time you engage in risk management hedging, it comes at
11 a price. The objectives of lowest possible cost and price
12 stabilization are contradictory objectives in many ways.
13 You have to recognize that there is a cost associated with
14 risk management activities. So I'm not aware of there ever
15 having been espoused a standard of no harm or no detriment
16 to customers.

17 Generally the standard is that it's a net
18 benefit to customers that they value the price stability
19 higher than the cost of implementing the risk management
20 program.

21 Q. So that sometimes it could end up costing
22 more, but it's just more stable, more steady?

23 A. Yes. And some commissions have espoused that
24 specific belief that we believe that customers are willing
25 to pay more for a stable price than for an indexed price on

1 average, over the long-term, and they think that's
2 appropriate.

3 Q. You mentioned the rule, the proposed
4 rulemaking, and do you think that if that rulemaking goes
5 forward and -- let me start again.

6 Do you think that that rulemaking will provide
7 more certainty and help to prevent some of the things that
8 you outlined; for example, in your testimony beginning at
9 the bottom of page 49 where you talk about the uncertainty
10 and ambiguity of not having a prospectively established
11 Commission-approved policy for hedging or gas supply
12 management concerning all parties involved?

13 A. I think it's a significant step in the right
14 direction. Your policy is actually -- or your proposed rule
15 is very close to some that other commissions have put
16 forward. The Arkansas Commission just a few months ago put
17 forth some guidelines that were very similar. Colorado
18 Commission is in the process of doing the same thing.

19 What I'd like to see happen is to then take it
20 the next step, which is once that policy or rule has been
21 established, to then apply it on a company-specific basis to
22 provide some guidelines on volume and magnitude of programs.

23 While your proposed rule is specific as to
24 intent and as to types of activities that are permitted, it
25 doesn't get to the quantity issue. Would you like to see

1 20 percent, 40 percent, 60 percent coverage? Would you like
2 to see a maximum dollar volume of price exposure being
3 \$50 million? Those kind of guidelines on a company-specific
4 basis, I think, are the appropriate next step.

5 And, again, they can be guidelines so the
6 companies can develop their programs prospectively, but I
7 definitely think the rulemaking's the step in the right
8 direction.

9 Q. I want to touch a minute on the capacity
10 release issue. And in your testimony you say that this is
11 the first instance in which Staff has raised this as an
12 issue, even though MGE has never had a capacity release
13 transaction on KPC.

14 My question to you is this: If the failure to
15 release capacity on KPC is imprudent this year, why would it
16 not have been imprudent in other years?

17 A. I think that's a good question. I find it
18 hard to justify that -- that view that it's imprudent this
19 year and it wasn't imprudent when they did it before. The
20 capacity is such that it doesn't make economic sense to use
21 in the summertime, but you can't buy just winter capacity on
22 KPC. You can only buy year-round capacity.

23 I will say, I don't think the fact that
24 the company did it before and it wasn't challenged is
25 necessarily controlling. I mean, I think what's controlling

1 here is the fact that there is no market for released
2 capacity on a voluntary basis on KPC. The economics of the
3 use of system, the rates and the competing alternatives of
4 the interruptible service and service on the pipelines are
5 such that it just does not have any value to release in the
6 summertime.

7 That's what's controlling. But I do find it
8 very hard to explain how one could deem it to be imprudent
9 in that summer and not imprudent in prior or subsequent
10 summers. The circumstances seem to be the same.

11 Q. In terms of the reporting standards that Staff
12 has been suggesting -- and I believe that's the -- that's
13 what's been called Issue No. 4 here, that the company is
14 opposed to Staff's position there -- can you explain why the
15 company wouldn't be in agreement with that position?

16 A. At this point, Commissioner Murray, I'm going
17 to defer that question to Mr. Langston, if I can. I didn't
18 address the reliability standards in my testimony, and
19 that's just not an issue I've really looked at.

20 Q. All right.

21 A. I'm sorry.

22 COMMISSIONER MURRAY: That's all right. Thank
23 you very much.

24 JUDGE WOODRUFF: Commissioner Forbis?

25 QUESTIONS BY COMMISSIONER FORBIS:

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1 Q. Good morning.

2 A. Good morning, Commissioner.

3 Q. I think most of my questions have been

4 thoroughly addressed. I just wanted to -- when you brought

5 up the rule, it made me think a little bit. And

6 Commissioner Murray asked you some questions about it, but

7 my question to you was going to be, do you think the rule is

8 specific enough as it's drafted, because it is sort of -- it

9 encourages companies, as I recall, to engage in hedging

10 activities. Then you came back and mentioned that you

11 thought it would be good to go a next step and make it more

12 specific to each company and get into particular numbers --

13 A. Uh-huh.

14 Q. -- you know, how much to hedge.

15 Which is what I'm going to ask you, but then

16 let me follow that up and say, do you think that can be

17 done, or does that take away the flexibility from the

18 individual companies if you several months in advance say

19 you will do 30 percent or 20 percent, or is that realistic

20 to attempt that on a company-by-company basis?

21 A. Let me just clarify that, of course, I wasn't

22 attempting to say the rulemaking should be more specific,

23 but the application of the rule once it's officially in

24 place, I think, can lead to some more specific guidance to

25 companies.

1 Yes, I do think it's possible. But I think
2 what you have to avoid is overstepping the appropriate
3 bounds for a regulatory agency, as opposed to somebody who's
4 operating the system. That's always a fine line to walk.
5 But I do think there are some guidelines that can be
6 established.

7 If the Commission, upon hearing all the
8 evidence, determines that, for example, having 30 percent of
9 winter volumes hedged is what they consider to be an
10 appropriate minimum level for MGE or for any other company,
11 that's the type of guidance I would see coming out of that
12 case, and it would be prospective.

13 I do think the emphasis should be on
14 thresholds, not on target, not on specifics. I think the
15 emphasis should be on seasonal attributes, as opposed to
16 daily, weekly or monthly attributes, for example, the
17 standard here that -- the fact that you're 35 percent one
18 month and 29 percent next month means that one month that
19 29 percent is imprudent, that's just too fine a screen, in
20 my opinion, to try and judge prudence of gas purchase costs.
21 Seasonal guidelines tend to be more appropriate than daily,
22 weekly or monthly guidelines.

23 But I do think when you step back and say the
24 whole issue of hedging is one where we're trying to
25 ascertain consumer preference, we're trying to say how much

1 insurance does the customer want to pay for? Once we know
2 the price of that insurance, you know, this isn't something
3 the company profits from or doesn't profit from. It's
4 intended to be, of course, an activity undertaken by the
5 Commission and the company for the benefit of the customer.
6 How much price protection do we want to secure for the
7 customer?

8 So it is a judgment call. And given how
9 inherently judgmental it is, I think some type of guidance
10 on degree of coverage, it's like saying, do you want \$100
11 deductible on your insurance or a \$500 deductible or \$1,000
12 deductible? That's a judgment call and different answers
13 apply for different customers. Different people have
14 different levels of risk adversity.

15 So I do think some guidance in quantity.
16 Quantity seemed to me, from reading the rule, to be the one
17 issue that was totally open under the rulemaking. It
18 addressed instruments, it addressed objectives, it addressed
19 public purpose. It didn't address quantity in the sense of
20 how much to buy.

21 Q. And your sense would be that should be left up
22 on an annual basis to working with the customers of the
23 company to decide how much from the -- take the entire
24 customer base, figure out sort of per industry type what's
25 appropriate, and then mix it up and get a number?

1 A. I think there's two ways to go. One is the
2 judgemental approach which most commissions use, which is
3 say we think there's some minimum standard that's
4 appropriate, just to provide an appropriate level of
5 cushioning for customers. And that might 20 percent,
6 30 percent, somewhere in there on a seasonal basis.

7 The other way is what I talked about with
8 Commissioner Gaw, which is the notion of a dual tariff,
9 one that truly provides customer choice, that says the
10 company's going to have an index-based tariff and it's going
11 to have -- which is the traditional PGA, and it's going to
12 have a fixed-price option or a risk mitigated option
13 available to customers. And you explain to customers the
14 differences in cost, the differences in risk of those two
15 approaches.

16 The issue is once a customer elects for the
17 heating season or for the year, they have to stick with
18 that. I have to say, okay, for this calendar year or this
19 heating season, at least, I'm going to select the
20 fixed-price option risk mitigated option. And then the
21 customer has to stick with that, because the company then
22 adjusts its supply portfolio.

23 If it sees that 30 percent of the customers
24 have elected Tariff A and 70 percent have elected Tariff B,
25 it knows exactly how much to hedge. And that's -- that's

1 the most clear and direct means, I think, of ascertaining
2 consumer preference, but it is more complicated. It means
3 developing separate tariffs, separate service offerings for
4 the same customer class, and it also involves a lot of
5 customer education.

6 I come from a state -- now, I'm from Kansas.
7 I live in a state now that has that option for electric and
8 gas service, and also if you're an oil customer, you can get
9 that from your oil heat dealer. You can choose whether you
10 want a fixed price for the entire heating season or you can
11 ride the market up and down.

12 I choose to ride the market. I figure at some
13 price, you know, I'll just chop wood and put it in the
14 fireplace, but different people have different prices.

15 Q. Using your plan as also an exercise program.
16 That's very good.

17 Are you aware of any national standard? We've
18 been throwing around 30 percent. The company used 38 as a
19 mix of physical storage and financial hedging, as I
20 understand. Is there a standard that you know of?

21 A. There isn't a standard, and I don't think
22 there should be a standard on a national basis, because the
23 service area specifics are just so different. Imagine a
24 system where, you know, 50 percent of your load is ammonia
25 plants for fertilizer versus a system like Brooklyn Union,

1 where most of your customers come from apartments and we
2 have a lot of people on fixed income budgets. It's a much
3 different mix across the country. There isn't a national
4 standard and I don't think there should be.

5 Q. And part of the discussion here has been, as I
6 understand it in this case, monthly averages versus season
7 long averages?

8 A. Right.

9 Q. And I think you said in your testimony -- help
10 me remember this -- you are of the opinion that a seasonal
11 average is better because of storage demands and you might
12 over-obligate or under-obligate and then you're stuck,
13 right, if you tried it month by month. Could you help me
14 make sure I understand that?

15 A. Yeah. I do think a seasonal target and
16 performance measured against that seasonal target is much
17 more meaningful than a monthly target. I mean, you could
18 actually take that to the extreme and say why not set a
19 minimum hedging target for every day of gas supply? What
20 you do is you remove operational flexibility from the
21 company to the extent you say, you've got to hit 30 percent
22 every day or every hour or your supply has to be hedged, you
23 remove operational flexibility.

24 From a customer's perspective, especially in a
25 state that you've got PGAs that are run on quarterly,

1 semi-annual or annual basis, the difference in the PGA
2 between having a monthly target and seasonal target is
3 meaningless, because it all gets aggregated together into
4 the PGA value for that period of time.

5 So why you'd say I want to remove the
6 operational flexibility when there's no economic difference
7 to the consumer is beyond me. If the target's 30 percent,
8 it should be for the period that the customer's getting
9 priced, six months, quarterly, annually through different
10 PGA mechanisms.

11 COMMISSIONER FORBIS: Thank you. That's it
12 for me, Judge.

13 JUDGE WOODRUFF: I have a couple questions.

14 QUESTIONS BY JUDGE WOODRUFF:

15 Q. First of all, you use the term "pipeline
16 imbalance charges." It's frequently used and I don't think
17 it's actually explained by anyone in the record. Can you
18 explain what that is and what effect it has on MGE's
19 decision?

20 A. Yes. These are charges assessed by the
21 pipelines, and all pipelines that are FERC-regulated
22 pipelines have either daily or monthly imbalance charges or
23 both. And it's whenever you've put more gas into the system
24 than you've taken out or taken more gas out of the system
25 than you've put in, so you either have an overrun or

1 underrun on the pipeline, are the terms they use, and there
2 are penalties associated with both an overrun and an
3 underrun.

4 I do think Mr. Langston's rebuttal or
5 surrebuttal mentions these pipeline penalties and said that,
6 again, one of the reasons why the company likes to have the
7 shock absorber of storage available in November is to avoid
8 incurring imbalance charges on the pipeline.

9 Q. I assume these imbalance charges would be
10 fairly substantial?

11 A. They can be in excess of \$30 a decatherm for
12 some. They tend to be tiered; the more out of balance you
13 are, the higher the penalty gets, but yes.

14 Q. They're designed to discourage companies from
15 taking out more than what they're supposed to or taking out
16 less than what they're supposed to?

17 A. Yes, exactly. They're intended to be
18 penalties.

19 Q. I assume that commissions in this state and
20 other states tend to frown on companies that have a large
21 amount of imbalance charges?

22 A. In fact, one of the prudence cases I've been
23 involved in before is where a company did incur imbalance
24 charges on the pipeline system, and the question was whether
25 they should be passed on to consumers.

1 Q. What was the result in the case?

2 A. It was a partial disallowance of some
3 imbalance charges the LDC had incurred, because of the fact
4 that they had run a substantial imbalance on a monthly basis
5 with the pipeline.

6 Q. I want to talk about financial instruments and
7 using them for hedging for a little bit. I think the
8 testimony was in this that for the season MGE did not use
9 financial instruments to hedge; is that right?

10 A. That's my understanding. But, again, I think
11 Mr. Langston probably is more familiar with the details than
12 I am.

13 Q. Well, I'm not much concerned about the
14 details. In the -- what would be the risk to MGE or for any
15 company to go out and just purchase these financial
16 instruments without specific approval from the Commission?

17 A. The issue, first of all, is cost recovery. If
18 you're buying an option there's a premium associated with
19 that option and getting cost recovery of the premium is one
20 issue.

21 Q. So the question would be whether the
22 commission would allow you to recover that cost?

23 A. That's one question. The second is when you
24 close out the position, you typically are going to have a
25 gain or loss after you -- very seldom do option contracts,

1 financial contracts, actually get physically performed.
2 They typically get closed out in the final week in which
3 they're open, in which they're trading, so you have a loss
4 or a gain when you close out that position. And then you
5 have the same question about recovery of that loss or gain.

6 So cost recovery is the first issue. We
7 talked about in prior years MGE, as I understand, had a
8 specific budget approved for risk management activities that
9 was not the same situation going into 2000-2001.

10 JUDGE WOODRUFF: I believe that's all the
11 questions I have.

12 Commissioner Murray, did you have anything
13 further?

14 COMMISSIONER GAW: I do.

15 JUDGE WOODRUFF: Commissioner Gaw.

16 FURTHER QUESTIONS BY COMMISSIONER GAW:

17 Q. Just a couple of things. Are you familiar
18 with the potential imbalance charges that could have
19 impacted MGE in this case?

20 A. In general, yes.

21 Q. Can you tell me what they are, if you know?

22 A. I'd have to go back and review the tariffs.

23 Each timeline has their own set of imbalance charges, and as
24 I recall, Williams, I think, is tiered so there are
25 different imbalance charges for different levels of

1 imbalance; 5 percent, 10 percent, and so forth. So -- it's
2 public record. It's in the tariffs of the pipelines. I
3 don't have that information with me.

4 Q. Okay. And my only other question is, you did
5 say you were from Kansas?

6 A. Yes.

7 COMMISSIONER GAW: Just checking. That's all
8 I have.

9 JUDGE WOODRUFF: Commissioner Murray?
10 Was that a Jayhawk bias?

11 FURTHER QUESTIONS BY COMMISSIONER MURRAY:

12 Q. Mr. Reed, in that cost recovery is one -- is
13 one of the issues a company looks at in determining hedging,
14 use of financial instruments particularly, in a rulemaking
15 are you familiar with any rulemakings in any states that
16 provide that, in addition to encouraging a company to use
17 certain methods, that the Commission will include -- will
18 recognize cost recovery for prudently incurred expenses?

19 A. Yes. There are a lot of commissions who've,
20 in fact, made that much more explicit since the winter of
21 2000-2001. If you take a look at the publications of the
22 NRI since that winter, there's a number of them that -- in
23 fact, they did a survey of what commissions have done in
24 response to the winter of 2000-2001, and in many cases it's
25 explicit in rewriting the rules to include gains and losses

1 on financial instruments as part of what can be tracked in
2 the PGA.

3 It's certainly much more sensible tracking the
4 PGA than to say, we're going to build those hedging costs
5 into the base rates, because it changes significantly from
6 year to year and it is a gas cost. So what you see, for
7 example, is some states having to rewrite their rules to
8 define gas cost as including premiums, losses and gains on
9 financial instruments used to hedge the gas portfolio. So,
10 yeah, you have seen explicit recognition of that in a number
11 of cases.

12 Q. And is that a good idea, in your opinion?

13 A. I think it is. I think, first, the PGA's the
14 right way to treat it, and secondly, any reasonably and
15 prudently incurred cost associated with the gas portfolio
16 for hedging purposes, whether it's an option premium, a gain
17 or loss in closing out an option position, is appropriately
18 treated as the same as buying gas at a fixed price or buying
19 gas at an index price. I think that's the appropriate
20 mechanism for ensuring that the company's not advantaged or
21 disadvantaged by undertaking the risk management activities
22 that the Commission has directed are appropriate.

23 COMMISSIONER MURRAY: Thank you very much.

24 JUDGE WOODRUFF: Thank you. At this time
25 we're due for a lunch break. We're going to break for lunch

1 and we'll come back at 1:30.

2 (A BREAK WAS TAKEN.)

3 JUDGE WOODRUFF: All right. Before we broke
4 for lunch, we had just completed questions from the Bench
5 for Mr. Reed. So now we'll go to recross, and begin with
6 KPC.

7 MR. KEEVIL: I have no questions, Judge.

8 JUDGE WOODRUFF: And counsel for City of
9 Joplin is not here at the moment, so they're waiving their
10 cross.

11 Public Counsel?

12 MR. MICHEEL: Yes, I have a few, your Honor.

13 RECROSS-EXAMINATION BY MR. MICHEEL:

14 Q. Mr. Reed, in response to Commissioner Gaw, you
15 talked about the regulatory construct. Do you remember
16 those questions?

17 A. Generally, yes.

18 Q. And in the regulatory construct, if I
19 understood your testimony, you suggested that there should
20 be some numbers set out with respect to hedging and
21 appropriate levels of hedging. Is that a correct
22 distillation of your testimony?

23 A. Yes, I think there should be some guidelines
24 established.

25 Q. You're not suggesting in any way, shape or

1 form that the Commission should preapprove specific levels
2 of hedging or use of financial instruments, are you?

3 A. No. As I suggested, I think the better
4 approach is to establish some guidelines and perhaps some
5 thresholds that the Commission would like to see, but it's
6 not a preapproval of prudence. It's not a preapproval of
7 any specific plan.

8 Q. And under your knowledge or idea, would the
9 company be required at all to meet or follow any of those
10 thresholds?

11 A. That depends on the Commission and the
12 approach in that state. In some states there are mandatory
13 activities. In some states there are voluntary guidelines.
14 In others there are pilot programs.

15 Q. Okay. Let's unpack that. What states are you
16 aware of that have mandatory guidelines?

17 A. Give me just a moment. There's a recent NRI
18 survey that talks about what's out there. Let me see if I
19 can find it quickly.

20 Q. Okay.

21 A. An example of a state that's provided what
22 I'll call very strong guidelines is Pennsylvania.
23 Pennsylvania has set as a benchmark for review that they
24 think 25 percent is the appropriate hedging level for
25 companies, and they have established that through a

1 rulemaking. They then review each company's annual
2 performance relative to that benchmark. I wouldn't describe
3 that necessarily as mandatory or as a requirement. It's a
4 very strong guideline.

5 Q. Okay. And throughout your testimony you've
6 talked about states that are doing mandatory requirements,
7 and I'm asking you to identify one of those states.

8 A. I'm not sure up until now we've had any
9 discussion of mandatory. The programs that are,
10 quote/unquote, mandatory are the new rules that commissions
11 have written. For example, in Utah, the commission's policy
12 was changed in 2001 in Utah to require utilities to consider
13 price stability as well as reliability and -- I'm sorry --
14 just that. Price stability was required to be considered in
15 addition to the lowest possible price and reliability.

16 So that's essentially edict or rule by the
17 commission saying, from this point forward, you have to give
18 weight to price stability, not just to the prior guidelines
19 we gave you of reliability and low price.

20 Q. And this NRI publication that you're referring
21 to, could you tell me the name of that publication?

22 A. There's actually three, but the first one is
23 dated August 22nd, 2001, and it's entitled Summary of State
24 Responses to Last Winter's High Natural Gas Prices and
25 Consideration of Hedging and Other Risk Management

1 Activities. The more recent update on that is Regulatory
2 Questions on Hedging in the Case of Natural Gas, which is
3 February 2002.

4 And the other one is also dated August 2001,
5 and it's State Responses to Last Winter's High Natural Gas
6 Prices and Consideration of Hedging and Other Risk
7 Management Activities.

8 Q. Okay. And you had talked, I believe, in
9 response to Commissioner Gaw about proposed rulemakings and
10 guidance and preapproval, and you recommended the Arkansas
11 and the Colorado rulemakings. Do you recall those
12 questions?

13 A. I recall the questions. I don't think I
14 recommended them. I noted that there were two others that
15 had taken place recently in a similar vein to what's been
16 proposed here in Missouri.

17 Q. And are those -- are those in the category of
18 mandatory or guidelines, or what type of rulings are those?

19 A. I would say they are guidelines.

20 Q. Okay. With the exception of Arkansas,
21 Colorado, Pennsylvania and Utah, are you aware of any other
22 states that set out guidelines?

23 A. Yes, there are several, and that NRI
24 publication actually reviews 28 states, and I would say that
25 most of them have established guidelines.

1 Q. Are you aware of any states that preapprove
2 specific levels of hedging or for gas hedging or anything
3 like that?

4 A. Well, as I just read, the Pennsylvania rules
5 use a 25 percent hedging rule as sort of their benchmark.
6 At this point, that's the only one I'm aware of that has a
7 specific percentage that they apply across companies.

8 Q. Now, when you're speaking about the regulatory
9 construct, you would agree with me that the purpose of
10 regulation is to mimic the market; is that correct?

11 A. I've certainly heard that described.
12 Regulation serves as a surrogate for competition in
13 regulated markets.

14 Q. And would you agree with me that in a
15 non-regulated market we don't have any preapproval or
16 anything like that?

17 A. That's correct.

18 Q. You talked with Commissioner Gaw and Judge
19 Woodruff about financial instruments and the fact that MGE
20 during this time period did not have any financial
21 instruments. Do you remember those questions?

22 A. Yes.

23 Q. Are you aware of any prohibition in the
24 Commission rules or Missouri statutes or Commission
25 decisions which would prohibit the use of financial

1 instruments by any LDCs in this state?

2 A. I haven't undertaken a review of statutes or
3 rules for that purpose.

4 Q. Did you review any decisions that prohibited
5 them from using those financial instruments?

6 A. Same answer. I didn't conduct that review.

7 Q. And am I correct, I believe in response to
8 Judge Woodruff you indicated that you believe that financial
9 instruments are appropriately included as gas costs; is that
10 correct?

11 A. I think that's appropriate regulatory policy,
12 yes.

13 Q. Have you seen any Commission cases, Missouri
14 Public Service Commission cases or any other state public
15 service commission cases or their -- some of them are called
16 corporation commission, like in your home state, Kansas,
17 that have disallowed or suggested that financial instruments
18 are not gas costs?

19 A. Yes. I'm sorry. Your question was are there
20 some that have taken the position that financial instrument
21 costs are not gas costs?

22 Q. Yes.

23 A. Yes.

24 Q. And what states would those be?

25 A. Again, that's summarized in the NRI

1 publication. Let me see if I can find a quick example or
2 two. Give me just a moment to see if I can find that.

3 In Maryland, hedging and hedging costs are not
4 approved for any utility with a transitional PGA mechanism,
5 only for a utility with an index-based cost incentive
6 mechanism. So that's an example of where through a PGA
7 utility, which there are some there, they did not include
8 those costs.

9 Q. And those NRI documents that you're referring
10 to, I guess, or you're divining your answers to, what do
11 they say about Missouri's treatment of hedging costs, if
12 anything?

13 A. Missouri, unfortunately, is not one of the
14 28 commissions that they talked about, because Missouri did
15 not respond to the survey, according to the NRI.

16 Q. Commissioner Murray asked you some questions
17 with respect to prudence, and I believe your answer was the
18 conduct should be separated from the result; is that
19 correct?

20 A. Yes.

21 Q. So even if the result was good, let's say, for
22 example, the company made some money, if the action was
23 imprudent or contrary to tariff or something like that, the
24 Commission should make a determination setting the result
25 aside; is that what you testified to?

1 A. I don't follow your question. I'm sorry.
2 Q. Well --
3 A. I'm not sure what you mean by setting the
4 result aside.
5 Q. Well, I think you said the conduct should be
6 separated from the result; is that correct?
7 A. Correct. Prudence relates to conduct, not to
8 results.
9 Q. So if there was a good result, let's say, it
10 is still appropriate or the Commission could logically find
11 imprudence on the part of a utility; is that correct?
12 A. It can find imprudence even where the
13 consequences of that were not adverse to the customer, yes.
14 MR. MICHEEL: Thank you very much.
15 JUDGE WOODRUFF: All right. For Staff?
16 RECROSS-EXAMINATION BY MR. SCHWARZ:
17 Q. Commissioner Gaw asked you a series of
18 questions about storage plans and operations. Do you recall
19 that line of questions?
20 A. Yes.
21 Q. Have you analyzed other Missouri LDCs' plans
22 who also use Williams storage?
23 A. No.
24 Q. What about any Kansas LDCs that use Williams
25 storage?

1 A. No, I don't think so. We've done some
2 research on the ONEOK system, looking at their use of
3 storage, which includes Williams, but I don't think we
4 looked at the -- their specific use of Williams storage.

5 Q. Do you know where other Williams storage
6 customers were in terms of their storage balances on
7 November 30th or December 31st of year 2000?

8 A. No, that's not something I've looked at.

9 Q. I believe in response to a question from
10 Commissioner Murray, you indicated that the prior year's
11 approvals of the explicit storage programs had expired, but
12 the company did subsequently use some fixed-price contracts.
13 Do you remember that?

14 A. I believe so, yes.

15 Q. And that's -- you're aware that the company
16 did use fixed-price contracts?

17 A. Yes.

18 Q. Is there any specific authority in MGE's
19 tariffs for them to use fixed-price contracts?

20 A. No, I don't think so. I'm not aware of any.

21 Q. Are there any provisions authorizing MGE to
22 use index-based contracts?

23 A. Not that I'm aware of. In its tariff you're
24 asking?

25 Q. In the tariff.

1 A. No.

2 Q. No. Are you aware that there are other
3 Missouri utilities that purchase gas on a fixed-price basis
4 or secure financial hedging instruments without any direct
5 tariff authorization from the Commission?

6 A. I haven't conducted that review. I really
7 can't -- I can't answer that.

8 Q. Again, and I can't remember if -- which
9 Commissioner it was, but with regard to the Commission's
10 proposed rule that you indicated, I believe, that it should
11 apply on a company-specific basis. Is that --

12 A. No. That's actually the opposite of what I
13 said. I said the rule should be a generic rule. The
14 application of it should occur on a company-specific basis.

15 Q. Company-specific basis.

16 A. So the results of its application would be
17 adjudicated individually for the companies.

18 Q. How -- how would that be adjudicated on a
19 company-specific basis?

20 A. It can be done either prospectively or
21 retrospectively by examining whether the company's supply
22 plans and actual supply conduct met the standards
23 established in the rule, whatever those standards are.

24 In some states they prefer preapproval. They
25 prefer to have supply plan filings and approval in advance

1 of each contract before it goes into effect. In other
2 states it's retrospective purchased gas adjustments with
3 reconciliation filings typically that address those issues
4 after they've occurred.

5 But in either event, you can review the
6 company's conduct relative to the standards and ascertain
7 whether they've adequately met them.

8 Q. But if the -- how do you get company-specific
9 applications from a generic rule?

10 A. Let's be specific and use an example if we
11 can. If the rule says that the company shall engage in a
12 level of risk management that's consistent with its customer
13 mix and its -- let's say it says it should engage in a level
14 of financial risk management using financial instruments
15 that reflects its customer mix and it reflects the amount of
16 price management it has through storage and through fixed
17 price contracts. That's, then, a fact-specific question.
18 how much storage do they have, how much price stability does
19 that impart to the mix, what do they use in fixed price
20 contracts?

21 You then make a judgment as to what portion of
22 their mix should be using financial vehicles or financial
23 products based upon the facts specific to the rest of their
24 system. I would not want to see a rule that says, for
25 example, 20 percent of all flowing volumes shall be collared

1 with puts and call options because that number is much too
2 rigid to account for the differences in individual systems.

3 Q. But how would you avoid the situation that MGE
4 suggests we're in now; that is, that at the time they were
5 acting, they had absolutely no basis for judging what the
6 standard might be?

7 A. You're really going to a question of what's
8 the best way to administer these kind of policies from the
9 regulatory policy perspective. Is there something to be
10 said for preapproval type of cases? Yes, I think there is.

11 I mean, there's lots of states that have gone
12 through this route of saying, we're tired of prudence
13 reviews, we're tired of these types of retrospective
14 analyses. We want to have some type of preapproval process
15 that gives the company and the commission and the customers
16 more comfort up front that we're all in agreement and in
17 alignment as to where the company should go on these issues.
18 I think there's some wisdom do that.

19 Even if we don't take that approach, even if
20 we say we're going to stick with retrospective analyses,
21 just having the rule out there is already a statement of
22 intent, a statement of direction that didn't exist in
23 2000-2001. So to the extent the proposed rulemaking becomes
24 codified and implemented, then I think you already have more
25 guidance than Missouri Gas Energy had.

1 Would I like to see that guidance increased?
2 Yes, over time in case-specific applications, yes. But it
3 already is a start, as I said, in the right direction.

4 Q. If you were going to do case-specific
5 applications at -- I'm not clear on whether you've answered
6 my prior question. If you're going to do it on a
7 company-specific basis, at what time in the cycle -- annual
8 cycle of purchases, storage, withdrawals are those company
9 specific guidelines set?

10 A. I think I gave you an answer that says it
11 depends, essentially, and the answer is just that. Some
12 commissions choose to do it before the beginning of each
13 heating season. Some commissions do it every two years
14 before the start of a heating season. Some commissions
15 choose to do it after a heating season or after an entire
16 year is completed. There isn't a single answer.

17 My preference as an expert on regulatory
18 policy is to have a process that gets these issues on the
19 table before the critical decisions are made.

20 Q. And what part of the year is that?

21 A. Typically that's done in the summer months,
22 some process that essentially reaches a conclusion before
23 you get to October.

24 Q. What about opportunities or market conditions
25 in February or March or even January before the heating

1 season for which you're planning, does that mean that for
2 those months the company would again be at risk for unknown
3 standards?

4 A. I'm a little troubled by your comments about
5 February of the heating season before, but --

6 Q. Excuse me. The February before the heating
7 season. So that if you're planning the 2000-2001 heating
8 season, you're making decisions to buy gas or not buy gas
9 for that heating season in January of 2000, February of
10 2000, March of 2000.

11 At what stage does the company-specific
12 application of the rule take hold and eliminate the
13 uncertainty?

14 A. You never have complete elimination of the
15 uncertainty to start with, because while you can have a
16 process that says, we want to work collaboratively to
17 establish a reasonable supply plan in advance of a heating
18 season, how the company administers that plan is always
19 subject to further review. So no matter how good the plan
20 is, no matter how universal the agreement is with regard to
21 that plan, it's always up to the company to actually
22 implement that plan in a reasonable manner as well.

23 But apart from that, when I talk about a
24 heating season, let's say October or November through April,
25 what I have seen in other states is review processes that

1 occur at some time in the June, July, August time frame for
2 that cycle commencing two months later in October, to try
3 and get some agreement around what supply plans are like.

4 Again, I'm not endorsing that as necessarily
5 the right answer here in Missouri. That's a matter of
6 regulatory policy and what the Commission and the companies
7 are most comfortable with. But that just goes to what level
8 of detail you put into the guidance. Having guidance is
9 good. Having a common set of expectations is good,
10 especially when you're dealing with issues that are this
11 highly judgmental.

12 This is not a matter of there being a right
13 and wrong answer. You're trying to substitute a regulatory
14 process for the judgment of the consumer as to what their
15 consumer preference is.

16 Q. Well, I'm going -- in those states where
17 you're looking at June, July and August, do the companies
18 stay out of the market in January, February, March, April
19 and May?

20 A. No, they don't stay out of the market.
21 They're obviously continuing to manage their portfolio to
22 meet current demands and to meet storage refill and to buy
23 liquids for liquid operations that they've got.

24 But typically you do go into a heating season
25 with a setup for your plan for that season; for example, on

1 storage withdrawals; for example, on how much you're going
2 to buy month to month in the first-of-the-month market and
3 then the mid-month market. Those are the kinds of things
4 that are submitted in supply plans or biannual supply plans
5 in other jurisdictions.

6 Q. Do you think biannual might be more workable?

7 A. That's the process in a couple of the
8 northeastern states. And at one point in California it was
9 triennial. It was -- so there's no single answer.

10 Q. I believe that in answer to a question from
11 Commissioner Gaw, you indicated that MGE needed to enter the
12 heating season with its storage full to get the full benefit
13 throughout the heating season. Is that -- are my notes
14 accurate?

15 A. To be sure of getting full use of its storage
16 capacity, yes.

17 Q. To get full benefit throughout the heating
18 season, won't they also need to -- from a price protection
19 situation, need to operate their storage to ensure that
20 there is some benefit remaining later in the season?

21 A. To get maximum price, I mean, that presumes a
22 price curve that presumes that prices are going to be higher
23 later in the winter than they are earlier in the winter.
24 That presumption is not always true. So the answer is, no,
25 you don't necessarily have to do that.

1 Q. Well, if you take storage heavily, say early
2 in the heating season, are you assuming, then, that prices
3 are going to be lower in the heating season, later in the
4 heating season?

5 A. You're not making that assumption. Schedule
6 for storage withdrawal is -- there's not a product price
7 expectation. It's a product of the operational flexibility
8 you need on the system in individual months, the
9 supplemental supplies that that storage provides in other
10 months. So remember that storage is providing a
11 deliverability function or reliability function and a price
12 management function.

13 So you're not scheduling storage withdrawals
14 just to meet an optimal price curve. You're also scheduling
15 it to meet the other two needs.

16 Q. But in its function as a price cushion,
17 doesn't storage gas still need to be in storage in order to
18 serve that function?

19 A. Yes, if you are only concerned with price
20 management, with the price cushion effect, you would
21 schedule storage in a manner that maximized the withdrawal
22 value vis-a-vis what prices were at that point in time. Of
23 course, you don't know what the prices are going to be month
24 to month, and as I said, storage also is not solely or even
25 primarily a price management tool.

1 Q. Again, in response to a question from
2 Commissioner Gaw, I think you indicated that natural gas
3 prices were higher in November and December than they had
4 ever been; is that correct?

5 A. Up to that point, yes.

6 Q. At what stage of the 2000-2001 cycle was it
7 apparent that 2000-2001 was not similar to the '98-99 or
8 '99-2000 cycles?

9 A. I would say it was actually apparent even in
10 October that it was going to be different. It was apparent
11 in the summer months it was different, back up all the way
12 to, let's say, June of 2000. In June of 2000 when the
13 summer months -- of course, what you expect is that the
14 summer months have lower gas prices than the winter months,
15 but we actually had a situation in the market at that time
16 called backwardization where the price in the winter months
17 under the NYMEX strip was actually lower than the current
18 summer months. So right there you had a very abnormal
19 situation where the price curve was inverted summer to
20 winter. The forward market was in backwardization.

21 As you go through, every month the profile
22 looks different than it did the year before and the year
23 before that and the year before that. People tend to forget
24 that October was actually warmer than normal rather than
25 colder than normal in the 2000-2001 winter.

1 So coming into November, the experience we had
2 so far that heating season was the opposite of what it was
3 going to turn out to be. So every month you can't say when
4 it had become different. It was always different, and it
5 was different because prices going into the storage cycle
6 were different.

7 In fact, that's why so many companies actually
8 chose not to fill storage was that they foresaw the market
9 in backwardization and said, I'd rather just buy gas,
10 flowing gas in December, January, February, March than to
11 fill storage.

12 As it turned out, that decision was highly
13 detrimental from an economic perspective. Missouri Gas
14 Energy did not do that. Missouri filled storage, even
15 though the market was facing a very steep crisis even in the
16 summer months.

17 Q. So I notice that you talked about October
18 being different from November, being different from other
19 months. Is it true that financial derivatives are also
20 timed on a monthly basis?

21 A. Financial products are -- they trade on a
22 monthly basis, yes.

23 Q. Do LDCs make pipeline nominations on a monthly
24 basis?

25 A. They make nominations on an hourly, daily

1 basis, and then, of course, they get aggregated up to a
2 monthly basis.

3 Q. Do they make nominations on a monthly basis as
4 well?

5 A. Yes, as well as hourly and daily.

6 Q. Yes. Do they make supply commitments on a
7 monthly basis?

8 A. Same answer. They make it on a daily basis, a
9 weekly basis, a monthly basis, so multiple frequencies.

10 Q. Had measures of volatility of natural gas
11 prices fallen or leveled off by mid November of 2000?

12 A. Depending upon the interval you're talking
13 about for that comparison, they started by diminishing in
14 2000. By the end of 2000 they had increased, the levels of
15 volatility had increased.

16 Q. Well, my question was about, say, in the -- in
17 mid November of 2000, were there indications that the price
18 of natural gas remained volatile or were there indications
19 that the price was expected to either clearly decline or
20 clearly increase?

21 A. Those are totally separate questions. The
22 indications in mid November were that prices were volatile
23 and higher -- had higher volatility than normal. As to
24 whether they were going to trend up or trend down is a
25 completely different issue than volatility. And I think on

1 that issue there was clearly a lot of people who felt one
2 way and a lot of people who felt the other way; hence the
3 volatility.

4 MR. SCHWARZ: Thank you.

5 JUDGE WOODRUFF: All right, then. Redirect?

6 REDIRECT EXAMINATION BY MR. DUFFY:

7 Q. Mr. Reed, you were asked a question by
8 Mr. Schwarz that had to do with your involvement in a
9 Providence Gas case that appeared in your appendix or
10 Attachment A to your direct testimony. Do you remember
11 that?

12 A. Yes.

13 Q. If I remember correctly, that was because
14 there was apparently some connection between that company
15 and Southern Union Company.

16 A. We did discuss that, yes.

17 Q. Give me your understanding of what that
18 connection, if any, was between Providence Gas and Southern
19 Union.

20 A. That case -- I can only talk in general terms,
21 because it is actually under seal, but that case dealt
22 primarily with contracting decisions that one of the Rhode
23 Island gas companies had made going into the winter of
24 2000-2001. So decisions it made prior to October 1st of
25 2000.

1 At the time those decisions were made and at
2 the time the supply management activities were undertaken,
3 those companies were not part of the Southern Union family
4 of companies. The closing for that acquisition occurred
5 later.

6 Q. Now, I think we also heard in an opening
7 statement about -- something about a grasshopper and an ant
8 and a Rhode Island decision. Did that have to do with that
9 case that you just talked about?

10 A. Yes, it did.

11 Q. And can you explain that to me very briefly,
12 what's the connection there?

13 A. In terms of the connection to this case, I
14 don't think there is any.

15 Q. Well, before that, what was the connection
16 between what was -- the grasshopper and the ant excerpt that
17 was read, did that come out of some decision in the case
18 that you talked about?

19 A. Yes.

20 Q. And that was in the Order that the Commission
21 issued?

22 A. Yes. The Commission issued an Order that
23 first discussed the Commission's views, and then basically,
24 after providing that exposition, approved a settlement that
25 had been submitted by all of the parties to the case. So it

1 was a combination of both the Commission's views as well as
2 separately an approval of the settlement of a gas cost
3 reconciliation for the New England gas companies.

4 Q. And the point of that discussion in that
5 Order, then, was apparently that the Rhode Island Commission
6 was castigating that gas company and referring to it as a
7 grasshopper that had frittered away the summer?

8 A. That was a characterization they made, yes.

9 Q. And so since you're presumably familiar with
10 that case and you're familiar with the facts in this case,
11 is it -- do you have an opinion as to whether it's fair to
12 use that analogy in this situation? In other words, is it
13 fair to characterize MGE as a grasshopper that frittered
14 away the summer?

15 A. No, I don't think so at all. The facts there
16 are very different and not applicable to what we have before
17 us here. In that case the primary issue was how the company
18 had handled storage in the summer in terms of its decision
19 to fill or not fill storage.

20 And as I said, many companies, because the
21 market was inverted in terms of the forward price curve,
22 decided not to fill storage. So here, there's no question
23 about the fact that Missouri Gas Energy, A, filled storage;
24 B, was very active in the summer trying to address price
25 management issues, risk management issues and bring those

1 issues on multiple occasions before the Commission, the
2 Commission Staff and the public. So I don't think there's
3 any basis for trying to extend that analogy to Missouri Gas
4 Energy.

5 Q. You were asked some questions about what has
6 been marked for purposes of identification as Exhibit 17HC.
7 Do you still have that document?

8 A. Yes, I do.

9 Q. I guess my question to you, after all of the
10 series of questions that we went through, what do you think
11 the Commission should take back with it in this
12 decision-making process, if anything, from what -- from that
13 document? What do you think this document really means or
14 what does it show?

15 A. Um --

16 Q. What's the lesson to be learned, if any?

17 A. The take away that I have from the document
18 really is similar to what I have in my testimony, which is
19 that Missouri Gas Energy experienced a level of storage
20 utilization in November and December -- and I'm not going to
21 get into the numbers themselves on the highly confidential
22 portion of the document.

23 But they got into storage utilization in
24 November and December that was about 63 percent greater than
25 they had anticipated. We note that. We also noted in my

1 testimony that the industry as a whole experienced storage
2 withdrawals in those two months that was about 70 percent
3 greater than historical, greater than historic average.

4 I drew the parallel that it's not a case where
5 Missouri Gas Energy was an outlier or a fringe performer
6 here, that it was the only one facing the issues with regard
7 to much greater than expected storage utilization.

8 The industry as a whole had 70 percent greater
9 than historic levels. The company had 63 percent greater
10 than expected levels. That's all a product of the same
11 thing. It's a product of the actual demand conditions
12 facing the industry and facing MGE during those two months.

13 Q. Did you mean to indicate in your earlier
14 questions that MGE withdrew 70 percent of its gas in
15 November?

16 A. No. And I think I may have actually used the
17 wrong figure before when I was testifying before the break.
18 The actual number for MGE was 63 percent greater than
19 planned in November and December, taken together. I think I
20 might have said 70 earlier. It's 63 percent. The number
21 for the industry as a whole is 70 percent.

22 So, again, you can see that, if anything, the
23 unanticipated use of storage or the extraordinary
24 withdrawals from storage for MGE were no greater than and
25 perhaps a little less than on a percentage basis the

1 industry as a whole.

2 Q. So is there anything in what's been marked as
3 Exhibit 17HC that indites Missouri Gas Energy as a bad
4 performer?

5 A. No. It simply corroborates the point I was
6 making in my testimony.

7 Q. You were also shown Exhibit 18, and I guess
8 my first question with regard to that is, after you were
9 taken through that document and asked questions about it by
10 Mr. Schwarz, is there anything that you believe needs to be
11 changed, any statement in MGE's prepared testimony in this
12 case that needs to be changed as a result of that document?

13 A. No, nothing on this document would lead me to
14 change my testimony.

15 Q. There was a discussion, I think, as to whether
16 this was an accurate representation of the volatility of the
17 weather in November. Do you remember that?

18 A. Yes.

19 Q. Do you believe that this graph on the first
20 page of Exhibit 18 accurately -- fairly and accurately
21 depicts the volatility of weather in November?

22 A. No. I think if the purpose is to compare
23 November to January, I think the material presented here is
24 incomplete.

25 Q. Why is that?

1 A. It does not address, as I said, the volatility
2 of November relative to the mean values for November, and
3 that is measured by the co-efficient of variation.

4 It also, as I said, doesn't address the
5 asymmetrical issues associated with higher than expected or
6 lower than expected demands. And as we said, the higher
7 than expected demands are easily accommodated by withdrawing
8 from storage. The lower than expected demands are not
9 easily accommodated.

10 So it, A, doesn't capture what I would
11 consider the most meaningful measure of volatility and, B,
12 didn't capture the operational impact of the two types of
13 volatility.

14 Q. So if you wanted to plot the volatility as you
15 believe it exists, your graph would look differently than
16 this?

17 A. Yes. I would align the mean for the two
18 distributions and measure percent deviation from the mean.

19 Q. There were several discussions about the NRI
20 and the documents that it has proposed or that it has
21 promulgated. I believe in answer to Mr. Micheel's questions
22 you gave us the titles of three of those documents. Are
23 those the documents that you've relied on in this proceeding
24 so far or are there others that are pertinent to this issue?

25 A. Those three are relevant. There's also a

1 fourth document which is a slide presentation given by Ken
2 Costello, the person who was conducting this research. That
3 slide presentation is called State Commission Policies and
4 Risk Management.

5 I think the most thorough review of the
6 issues, though, is in the document entitled Regulatory
7 Questions and Hedging in the Case of Natural Gas. That's
8 also by Ken Costello. That's the February 2002 document.

9 Q. Commissioner Gaw asked you a series of
10 questions and you got into a dialog about customer choice
11 and the potential, I suppose, of having two tariffs, one for
12 hedged and one for non-hedged, and then there was some
13 discussion about hedging in a monopoly environment.

14 My question to you is, is there -- are there
15 parallels or not to hedging in a non-monopoly environment?

16 A. Sure.

17 Q. What would that be?

18 A. You don't need to go any further than the
19 corner gas station to see an example of a very competitive
20 market, retail distribution of gasoline. Gasoline is also a
21 very volatile -- and I say volatile from a pricing
22 perspective, not from a plannability perspective. But from
23 a pricing perspective, the price of gasoline is also
24 volatile.

25 But do you see the corner gas station ever

1 going out and hedging their gasoline supplies to try and
2 provide stability to customers? No. Because what they
3 recognize is customers choose to buy gasoline on a
4 competitive basis at the prevailing price, and if you go out
5 and hedge your gasoline supplies for a year or six months or
6 even a month, what you're going to find is half the time
7 you're above the market and half the time you're below the
8 market. You'll sell a lot of gasoline when you're below and
9 sell nothing when you're above the market.

10 Customers prefer in unregulated environments,
11 and sometimes in regulated environments as well, to operate
12 on an unhedged basis. And that's clearly demonstrated by
13 the markets for those commodities.

14 Q. I believe you indicated that, based on your
15 experience or what you'd seen in the states that had these
16 dual tariffs, that the majority of the customers chose to
17 ride the market; is that right?

18 A. Yes, that's correct.

19 Q. So whether MGE is a monopoly or not has no
20 bearing on the hedging issue; it's a customer -- it's a
21 customer driven issue, right?

22 A. Right. It's not a question of can we pass the
23 cost through or a question of are there such things as
24 preapprovals or prudence reviews. The answer is in markets
25 regulated and unregulated, customers have different

1 preferences with regard to the level of price protection
2 they want.

3 Q. You were asked some questions by Commissioner
4 Gaw, I believe, about what interstate pipelines are
5 connected to -- or is MGE connected to, and I believe you
6 listed Williams, Panhandle and Kansas Pipeline. If I
7 mentioned the name Pony Express or Kinder Morgan, would that
8 have any bearing on your previous answer?

9 A. Yes. I realized later that I had not
10 included -- I should have included Pony Express, which is a
11 member of the Kinder Morgan Interstate Pipeline Group, and
12 there is a direct connection now between MGE and Pony
13 Express.

14 Q. And do you know generally where the gas on
15 that pipeline comes from?

16 A. Its source areas are in the Rocky Mountain
17 basin.

18 Q. I think you were asked some questions about or
19 your discussion led to a talk about design day criteria, and
20 I believe there were some examples given about northern
21 climate, and I know there was something about 85 degree day
22 design criteria.

23 My question with regard to that is, have you
24 done any kind of analysis or are you aware of what the
25 design day criteria is for the MGE system?

1 A. No, I've not undertaken an analysis of actual
2 or appropriate design standards for MGE.

3 Q. Do you, in fact, know what those are?

4 A. No. I've not attempted to familiarize myself
5 with any of the reliability portion of the issues in this
6 case.

7 Q. Back to the listing of the cases that you
8 participated in, in Attachment A that you were asked
9 questions about, do any of those listings reflect any
10 recommended disallowance of gas costs of a gas company by
11 you?

12 A. Yes. I've in many cases recommended
13 substantial gas cost disallowances. In fact, my prior
14 testimony in some states -- Texas is a good example, I
15 think. I recommended the largest gas cost disallowance
16 in the history of regulation in North America, some
17 \$450 million disallowed gas costs on the grounds of prudence
18 in that case.

19 I've also recommended disallowances on the
20 Northern Natural, on the Tennessee, on the Texas Eastern
21 Pipeline system at FERC. So in many cases I've recommended,
22 based upon the standards that are appropriate, very
23 substantial disallowances where the conditions warranted it.

24 Q. So I take from that you're not a shill for the
25 local gas distribution companies?

1 A. Certainly those that I've testified against
2 don't feel that way.

3 Q. You got into a discussion with Commissioner
4 Murray based on her questions about the Staff hypothetically
5 challenging downside situations, and the comment, I believe,
6 was made about, well, the Staff used no harm/no foul, and
7 that, I guess, brings the question of quantifying benefits
8 or credits to offset disallowances.

9 Does that have any bearing -- do you believe
10 that has any bearing on how the
11 Staff calculates that?

12 A. I don't know.

13 Q. Does that have any bearing on how the Staff
14 has calculated the disallowance it proposes regarding this
15 30 percent standard in this case, do you believe?

16 A. Yes, it does. I have a serious problem with
17 the way the Staff has quantified the disallowance for that
18 portion of the case.

19 Q. What would that be?

20 A. As we discussed earlier, there are two months
21 in which the Commission Staff found that there were
22 disallowances appropriate because the level of hedging was
23 individual in those months below 30 percent, and three
24 months in which it went the other way.

25 The Commission Staff has specified, however,

1 that they think the minimally prudent conduct would have
2 been 30 percent in each month.

3 If the company had, in fact, pursued the
4 minimally prudent course of action of 30 percent in each
5 month, the cost to consumers would have been higher than
6 actually occurred. The Commission Staff is able to come up
7 with a disallowance there only by looking at the months
8 exclusively in which the disallowance is positive or the
9 Commission -- I'm sorry -- where the company's actions led
10 to higher costs and ignored the three months in which the
11 company's actions led to lower costs.

12 That type of selective adjustment or
13 imprudence, I think, is a direct contradiction of the
14 standards in this state and the standards established in
15 generally every state that I've testified in.

16 Q. Can you point to anything with regard to the
17 standards in this state on that point that you're aware of?

18 A. Yes. That was an issue that was very squarely
19 before the Commission in the Callaway Nuclear prudence case
20 where advocates there were suggesting that they wanted to
21 make disallowances in areas in which the company's costs
22 were substantially above average, without giving them credit
23 for areas in which their costs were substantially below
24 average.

25 The Commission and, in fact, as I recall, the

1 Commission Staff took the position that that was not
2 appropriate, but eventually the Commission considered areas
3 of above-average performance and below average and netted
4 the two out.

5 Q. You were asked some questions by Commissioner
6 Murray about MGE's storage and its use of storage. I guess
7 I just want to clarify, does MGE actually physically own
8 storage or do they contract for it?

9 A. They do not own storage. They simply contract
10 for it, and they hold that capacity to a contract holder.
11 If the question went to ownership, I wasn't paying close
12 enough attention.

13 Q. You were asked some questions on recross, I
14 believe, by Mr. Schwarz about storage withdrawals in the
15 months of November and December.

16 My question to you is, do you believe it would
17 be advisable for MGE to hoard storage in November and
18 December so as to have all of its storage then available in
19 January, February or March, and can you discuss whether
20 that's a good idea or a bad idea?

21 A. I don't think that would be appropriate, based
22 on circumstances as they exist today. If you're doing that,
23 you're depriving the company of the use of storage for that
24 shock absorber effect that I discussed in my testimony.
25 You're saying it's strictly a price or risk mitigation tool,

1 not one that's really an operational tool.

2 If you do that, you're going to be facing very
3 serious consequences in months in which, especially like
4 November, you've got storage full and you have a warmer than
5 expected day or week or warm snap.

6 And in those circumstances you're going to
7 have a very difficult time finding a place to put the
8 flowing gas that you've nominated in place of the storage
9 lines that you had decided not to use in that hypothetical.

10 So I would not consider that conduct
11 appropriate, and I think it would be something I would give
12 very serious warning to anybody who wanted to take away that
13 operational aspect of storage and say, let's use it just for
14 price management purposes and nothing else.

15 MR. DUFFY: I think that's all I have.

16 JUDGE WOODRUFF: I have a couple of questions
17 I just want to clarify, and I'll give the parties a chance
18 to respond after I ask these.

19 FURTHER QUESTIONS BY JUDGE WOODRUFF:

20 Q. It came up from the redirect questions, you
21 indicated that the Kinder Morgan pipeline was also connected
22 to the Pony Express pipeline. Was that connected back in
23 the winter of 2000-2001?

24 A. Yes.

25 Q. And then you indicated that you had

1 recommended, I believe, in Texas a large prudence
2 disallowance. Who were you representing at that time?

3 A. I was representing the Texas Public Utilities
4 Commission, or actually, technically, the general counsel of
5 the Public Utilities Commission.

6 JUDGE WOODRUFF: That's all the questions I
7 have. Is there any further recross based on those
8 questions?

9 MR. SCHWARZ: None from Staff.

10 JUDGE WOODRUFF: Any redirect you'd like to
11 make on that?

12 MR. DUFFY: I don't think so.

13 MR. MICHEEL: I do have one.

14 JUDGE WOODRUFF: Go ahead.

15 FURTHER RECROSS-EXAMINATION BY MR. MICHEEL:

16 Q. The Texas Public Utility Commission general
17 counsel, that was an electric case, was it not?

18 A. It's a complicated case. It was Texas
19 Utilities, but the regulatory action was a review of the gas
20 purchases of Texas Utilities Fuel Company, which was an
21 intrastate gas pipeline, and bought gas for the generator
22 facilities of Texas Utilities.

23 Q. So that had to do with electric generation; is
24 that correct?

25 A. The issues that I dealt with had to do with

1 gas procurement policies and whether their purchases were
2 prudent. Ultimately the gas was used in electric
3 generation.

4 Q. So the disallowance would have gone to the
5 electric company as opposed to a gas company; isn't that
6 correct?

7 A. Yes.

8 JUDGE WOODRUFF: Redirect from that?

9 MR. DUFFY: Let me check. No.

10 JUDGE WOODRUFF: All right. Then you can step
11 down. Thank you.

12 (Witness excused.)

13 JUDGE WOODRUFF: Call your next witness.

14 MR. DUFFY: Your Honor, is Mr. Reed free to
15 leave the building if he wishes?

16 JUDGE WOODRUFF: He is free to leave. He can
17 go on home.

18 MR. DUFFY: At this time we'd call Mike
19 Langston to the stand.

20 (Witness sworn.)

21 JUDGE WOODRUFF: You may be seated and you may
22 inquire.

23 MICHAEL LANGSTON testified as follows:

24 DIRECT EXAMINATION BY MR. DUFFY:

25 Q. Would you state your name for the record,

1 please.

2 A. Michael Langston.

3 Q. Mr. Langston, are you the same Michael
4 Langston that has caused to be filed prepared testimony,
5 specifically what's been marked -- or what's been admitted
6 as Exhibit No. 3, your direct testimony, Exhibit No. 4HC and
7 4NP, your prepared rebuttal testimony, and Exhibits 5HC and
8 5NP, your surrebuttal testimony?

9 A. Yes, I am.

10 Q. Do you have any corrections? Let's look
11 first, I suppose, at Exhibit 3, your direct testimony. Are
12 there any corrections or changes?

13 A. Yes, I do.

14 Q. Could you tell the Commission what those are?

15 A. First on page 17, on line 18, the
16 next-to-the-last word in that sentence, "not," should be
17 stricken. Also on Schedule MTL-16, the pages -- MTL-16,
18 page 5 and MTL-16, page 6 are duplicates. Page 6 could be
19 eliminated.

20 Q. I also noticed on page 4 at line 30 there is a
21 number there of 1,141,000 regarding quantification of
22 Staff's disallowance for the KPC capacity. That, as I
23 recall, was the original number and the Staff subsequently
24 lowered that due to some other calculations they've made.

25 Do you want to take a look at that and see if

1 you want to change that number or you want to leave it where
2 it is, reflective of what it was at the time the testimony
3 was prepared?

4 A. At the time this was prepared, this was my
5 understanding of the proposal. I think the Staff
6 subsequently realized that, due to the status of an
7 incentive plan, they credited the company with 30 percent of
8 that amount to lower the number to what was stated earlier
9 this morning.

10 Q. So with those changes -- well, let's do
11 another one, or let's talk about another one. And that
12 would be page 1, about by whom and in what capacity are you
13 employed.

14 A. Yes. At the time this testimony was filed,
15 that reflected the correct status of my employment. As of
16 this morning, I am now an employee of Southern Union
17 Company. I'm no longer an employee of Energy Works.

18 Q. With those changes that we've just discussed,
19 are there -- are the answers -- or the questions and answers
20 that appear in Exhibit No. 3 -- wait a minute. I've already
21 done that, haven't I? Exhibit 3 is already --

22 JUDGE WOODRUFF: No. No.

23 MR. DUFFY: No. I'm sorry. That's what
24 happens.

25 BY MR. DUFFY:

1 Q. With those changes, if I asked you the same
2 questions that appear in what's been marked for purposes of
3 identification as Exhibit No. 3, would your answers be the
4 same as they appear therein?

5 A. Yes, they would.

6 Q. Are those answers true and correct to the best
7 of your knowledge, information and belief?

8 A. Yes, they are.

9 MR. DUFFY: At this time I would offer into
10 evidence Exhibit No. 3.

11 JUDGE WOODRUFF: 3 has been offered into
12 evidence. Are there any objections to its receipt?

13 (No response.)

14 JUDGE WOODRUFF: Hearing none, it will be
15 received into evidence.

16 (EXHIBIT NO. 3 WAS RECEIVED INTO EVIDENCE.)

17 BY MR. DUFFY:

18 Q. Now let's look at your rebuttal testimony,
19 Exhibit 4HC and 4NP. Do you have any changes or corrections
20 you wish to make to either of those documents?

21 A. Yes. In the attached Schedule MTL-29, which
22 was the Staff recommendation in Case No. GO-2000-705, there
23 was an attached Staff memorandum. Page 3 of 3 of that
24 memorandum was duplicated twice. One of those can be
25 eliminated.

1 Q. With those changes, if I ask you the same
2 questions that appear in Exhibits 4HC and 4NP, would your
3 answers be the same?

4 A. Yes.

5 Q. Are those answers true and correct to the best
6 of your knowledge, information and belief?

7 A. Yes, they are.

8 MR. DUFFY: At this time I would offer into
9 evidence what's been marked as Exhibits 4HC and 4NP.

10 JUDGE WOODRUFF: 4HC and NP have been offered
11 into evidence. Are there any objections to its receipt?

12 (No response.)

13 JUDGE WOODRUFF: Hearing none, they will be
14 received into evidence.

15 (EXHIBIT NOS. 4HC AND 4NP WERE RECEIVED INTO
16 EVIDENCE.)

17 BY MR. DUFFY:

18 Q. Finally, let's turn to your surrebuttal
19 testimony, what's been marked as Exhibits 5HC and 5NP. Do
20 you have any corrections or changes to those two documents?

21 A. Yes. On pages 8 and pages 9, there are
22 several numbers. The first on page 8, on line 6, the number
23 that appears there on that line should have been designated
24 as highly confidential, so there should be two asterisks
25 added on either side of the number and underlined.

1 Similarly, the number that appears on line 17 should also be
2 so designated. And finally on page 8 --

3 MR. SCHWARZ: 17?

4 THE WITNESS: I'm sorry. Line 7. I'm sorry.
5 Page 8, line 7. And then finally on page 8, line 13, also
6 that number should be so designated.

7 MR. MICHEEL: You mean line 12, don't you?

8 MR. DUFFY: It's line 13 on mine.

9 THE WITNESS: Then on page 9, line 6, the
10 number in that line similarly designated. Page 9, line 7,
11 the number in that line also so designated. Page 9,
12 line 12, the number in that line so designated. And page 9,
13 line 14, the number in that line to be similarly designated.

14 MR. DUFFY: Just so the record is clear, the
15 copy that I gave to the reporter this morning contains those
16 markings on the HC page, because we discovered after the
17 fact that HC pages were -- had not been properly marked, and
18 so the record does have the correct markings on it.

19 JUDGE WOODRUFF: Are those numbers in the NP
20 version as well?

21 MR. DUFFY: It's a blank.

22 JUDGE WOODRUFF: Blank on the NP?

23 MR. DUFFY: So there's not a problem in the NP
24 document, as far as I know.

25 JUDGE WOODRUFF: I was going to say, it's out

1 there for the world if there were.

2 MR. DUFFY: There's not been a disclosure, as
3 far as I know. Doug, do you have a problem?

4 MR. MICHEEL: I was looking at this NP
5 version, and the lines are different on the NP version, as
6 opposed to the HC version.

7 MR. DUFFY: And your NP version has blanks; is
8 that right?

9 MR. MICHEEL: It has asterisks.

10 MR. DUFFY: Then I think we're okay.

11 BY MR. DUFFY:

12 Q. Okay. With those changes designating those
13 numbers as HC on 8 and 9, if I asked you the same questions
14 that appear in those documents this afternoon, would your
15 answers be the same?

16 A. Yes, they would.

17 Q. And are those answers true and correct to the
18 best of your knowledge, information and belief?

19 A. Yes, they are.

20 MR. DUFFY: At this time then I would move for
21 the admission of 5HC and 5NP.

22 JUDGE WOODRUFF: Exhibits 5HC and 5NP have
23 been offered into evidence. Are there any objections to
24 their receipt?

25 (No response.)

1 JUDGE WOODRUFF: Hearing none, they will be
2 received into evidence.

3 (EXHIBIT NO. 5HC AND 5NP WERE RECEIVED INTO
4 EVIDENCE.)

5 MR. DUFFY: At this time I would tender the
6 witness for cross-examination.

7 JUDGE WOODRUFF: And for cross-examination,
8 we'll begin with KPC.

9 CROSS-EXAMINATION BY MR. KEEVIL:

10 Q. Good afternoon, Mr. Langston.

11 A. Good afternoon.

12 Q. I have just a couple of clarifying questions,
13 hopefully, for you. In your direct testimony, you refer to
14 a letter from Duke as an attachment to your direct
15 testimony. I can't find the page now. Oh, here it is.
16 Page 16 of your direct.

17 My question, at least my first question, would
18 a -- well, first of all, Duke is not -- or at least that
19 Duke is not an LDC; is that correct?

20 A. They're not a gas local distribution company.
21 They have subsidiaries that are electric distribution
22 companies, to my knowledge.

23 Q. Right. I should have said gas. Would a
24 shipper which is not a gas LDC -- a shipper of natural gas,
25 which is not a gas LDC, value pipeline capacity differently

1 than a gas local distribution company?

2 A. Yes, I imagine so.

3 Q. Can you explain how or why that is?

4 A. Well, every customer's going to be a little
5 bit different. A gas LDC is obviously going to focus on
6 what its potential peak day demand is and what type of
7 supply and transportation storage resources it needs to meet
8 its -- its peak day demand. So to the extent that those
9 resources are required, it's going to be looking to contract
10 for the -- to have those resources available.

11 So, for instance, in this case for pipelines
12 that means a lot of cases we have to contract for capacity
13 year-round in order to make sure that that capacity is
14 available to us.

15 For an electric utility customer, they may
16 face a similar situation, although their needs may be in the
17 summertime. An industrial customer may have a totally
18 different scenario that they're looking at. So what their
19 economic choices are and how they're going to value
20 capacity, I would think, would be different from customer to
21 customer.

22 Q. You may have answered my next question in the
23 context of that answer. I think you said something about
24 the gas company may contract on a -- for longer term than a
25 non-LDC would. So would the same hold true for a shipper

1 who was interested simply in a short-term capacity
2 situation? Would they value pipeline capacity differently
3 than a gas LDC?

4 A. Certainly.

5 Q. For similar reasons to what you gave a moment
6 ago?

7 A. In the short-term market it is generally going
8 to be totally price driven. So to the extent that an LDC is
9 looking at their obligation to serve and their need to
10 maintain reliability, those are factors they'll consider
11 that a 30-day supplier's probably not going to be looking
12 at.

13 MR. KEEVIL: Okay. Thank you, Mr. Langston.
14 I think that's all I have for you right now.

15 JUDGE WOODRUFF: Counsel for City of Joplin is
16 not here, so they'll be waiving their cross.

17 For Public Counsel?

18 MR. MICHEEL: No questions for Mr. Langston
19 today.

20 JUDGE WOODRUFF: Staff?

21 CROSS-EXAMINATION BY MR. SCHWARZ:

22 Q. Mr. Langston, can you tell me if the prior
23 witness was the same John Reed who prepared a report for
24 Southern Union/MGE in February of 1995?

25 A. The John Reed who just testified was the owner

1 of a consulting firm called Reed Consulting that was the
2 firm that we retained to do the study that was in February
3 of 1995 for some pipeline alternatives in Kansas City. I
4 don't believe he himself personally prepared the report, but
5 certainly the firm that he owned, managed did.

6 Q. Thank you.

7 A. Okay.

8 Q. Have you participated in any of MGE's general
9 rate cases before the Commission?

10 A. I believe I have submitted testimony in a
11 couple of the rate cases. I can't remember exactly the
12 numbers.

13 Q. Are you aware in a general rate case setting
14 what the normalization process is?

15 A. I'm aware that the attempt is to normalize all
16 of the costs and to essentially reflect a normal operation
17 and cost levels for the company to determine what the
18 revenue requirement is, in order to determine what the
19 allowed return is, so the company can design rates around
20 that.

21 Q. So that's to take into account if a test year
22 figure may not be representative on an ongoing basis; is
23 that fair to say?

24 A. Yes. I think the intend -- I think you take
25 the test year numbers and make an adjustment to get to what

1 you consider a normal, ongoing planned level of expenses.

2 Q. Okay. In MGE's rate cases, does -- or is
3 there an allowance made for the carrying costs of MGE's gas
4 storage inventory?

5 A. I think the dollar amounts that have to reside
6 in -- in the storage inventory are rolled into what's talked
7 about as a working capital number. It's part of the overall
8 funds required by the company to do business.

9 Q. Okay. And do the parties perform lead lag
10 studies? Have you heard that term?

11 A. I think as far as revenues, expenses, those
12 sorts of things, yes, they do.

13 Q. And does the seasonality of the natural gas
14 LDC business affect the cash working capital requirements
15 with respect to the fact that natural gas, flowing natural
16 gas is delivered and then shortly thereafter invoiced and
17 sometime after that perhaps billed to the customers?

18 A. Certainly the -- the supply costs are -- are
19 calculated and billed on a monthly basis. Once you receive
20 service, you receive an invoice typically by the 10th day of
21 the following month, with payment due typically by the 25th
22 day of the following month. Revenues, however, I think
23 customers are normally cycle-billed. So, for instance, we
24 have, I think it's 21 billing cycles throughout the month.

25 So as our meter readers go out, they'll read a

1 certain number of meters every single day. So different
2 customers will have different billing cycles. I'm not sure
3 if that's answering your question. So the revenue side is
4 going to be on a different collection billing cycle than is
5 the supply cost, if that's all -- if we're talking about
6 supply costs specifically.

7 Q. That's suitable for my purposes. You attached
8 to your rebuttal testimony the testimony of Staff Witness
9 James Bush in Case GR-98-140, did you not?

10 A. Yes. It's Schedule MTL-21.

11 Q. Right. And at the end of Mr. Bush's
12 testimony, he has Schedules 1 and -- well, Schedule 1 is
13 referring to some Williams numbers here, I believe?

14 A. That's correct.

15 Q. To your knowledge, are these planned numbers
16 or actual numbers?

17 A. It's a combination of both.

18 Q. Okay.

19 A. In the top kind of series of calculations, it
20 looks like there's one line that's stated to be planned and
21 then there's three lines or rows that are, I assume,
22 actuals, and then there's an average calculation.

23 Q. Okay. So that to the extent that those last
24 three lines reflect actuals, it is safe to say that it
25 doesn't represent any proposed plan by Mr. Bush; is that

1 correct?

2 A. If you're talking about those single lines by
3 themselves, that's correct.

4 Q. Do you have Ms. Jenkins' testimony with you?

5 A. Yes. Yes, I have it.

6 MR. DUFFY: Which one are we looking at?

7 MR. SCHWARZ: Her direct. I'm sorry.

8 BY MR. SCHWARZ:

9 Q. Schedule 7-4 and 7-5 are a series of heating
10 degree days and summary thereof. Are you with me?

11 A. Yes, I'm there.

12 Q. Do you have any quibble with those as being
13 true representations of what they purport to be?

14 A. I assume they are.

15 Q. You used them? You used her numbers in some
16 of your testimony as well, did you not?

17 A. I believe so, yes.

18 Q. Would you turn to her schedule at 10-2, if you
19 would.

20 A. Okay.

21 Q. Just above the last table, she has a note,
22 there is no 1999-2000 reliability report. Do you see that?

23 A. Yes.

24 Q. I didn't see anything in your rebuttal or your
25 surrebuttal to contradict that. Did MGE file with the Staff

1 a 1999-2000 reliability report?

2 A. No.

3 Q. Mr. Langston, would you please tell me how MGE
4 formulates its plans to use storage in the heating season
5 months?

6 A. Well, you know, in general we look at what our
7 flexibility is, you know, within the system. You know, we
8 developed our plans essentially largely by experience but
9 also by the flexibility that we have seen that we need,
10 based on different scenarios that have arisen since we've
11 owned the Missouri properties.

12 So, you know, primarily it's a look at what
13 the total system demand has been by month, you know, as far
14 as whether or not there was any period where there is any
15 period where we can contemplate a peak day demand or we're
16 outside a period in which a peak day demand can occur, even
17 if we're still in winter period, what our flexibility is
18 relative to injections, withdrawals, flowing gas, that sort
19 of thing.

20 Q. Well, tell me a little about the mechanics of
21 developing it. I mean, when, for instance, would you start
22 developing the plan for the -- what year is this, 2003-2004?

23 A. Actually, I can't speak to when MGE may begin
24 their planning process now. Let me refer to my experience,
25 which would have been prior.

1 Q. Well, let's just say for 2000-2001, we might
2 as well. When would that have begun?

3 A. Generally speaking, once we complete a winter,
4 as of the end of March, we'll make an assessment where we
5 are relative to any remaining storage balance we may have
6 remaining in storage at the end of that winter, what our
7 current supply contract situation may be, whether or not we
8 have, for instance, term supplies that are under contract
9 continuing for several more years or if we have to offer an
10 RFP for storage -- I'm sorry -- an RFP for flowing supplies.

11 If we have to do that, then obviously that's
12 the first order of business, you know, to outline what the
13 supply shortfall is, when it's needed by month, what the
14 deliverability is that we need, which pipeline systems it
15 must be delivered into, those sorts of things.

16 Once that's identified, then we outline
17 essentially a plan for our flowing gas both to fill
18 summer -- summer storage, fill flowing volumes, as well as
19 volumes to meet summer demands, where we are in that,
20 because we also have to meet the tariff requirements that
21 limit us on injection quantities based on how full storage
22 is. For instance, early in the year we can inject a lot;
23 later in the year we can't inject very much at all.

24 And then we also outline our flowing gas plan
25 and storage withdrawal plans for the winter season. So all

1 that generally begins in the April time frame and, you know,
2 it was always our goal as of every year to have that
3 completed, both the supply purchases plans and everything,
4 by the end of June. Sometimes we made it; sometimes we
5 didn't.

6 Q. And would you change the plan as, for
7 instance, if the market conditions changed or weather
8 predictions change, you know, El Nino's come, something like
9 that?

10 A. As far as our planning, to make sure we had
11 deliverability to cover -- if we're talking specifically in
12 the wintertime -- to cover peak day, we always wanted to
13 make sure that, you know, our analysis always showed that an
14 actual peak day event could occur between roughly the middle
15 of December through the middle of February. So certainly
16 through January and February, we wanted full resources
17 available to meet our total projected peak day demand.

18 Outside of that there were different levels of
19 projected demand that could occur in the months of November
20 and February, so we wanted to make sure we have total
21 deliverability under contract and available for us to meet
22 those demands. And that generally wouldn't change even if
23 the seasonal -- you know, seasonal weather forecast can be
24 warm but you can still have a peak day demand. So the --
25 generally weather forecasts are not very accurate the longer

1 -- the further out you get. So weather forecasts tend to be
2 more accurate the shorter the term.

3 JUDGE WOODRUFF: Before you get into a new
4 area, we're due for a break. So let's go ahead and take a
5 break right now and we'll come back at 3:15.

6 (A BREAK WAS TAKEN.)

7 (EXHIBIT NOS. 19 AND 20 WERE MARKED FOR
8 IDENTIFICATION BY THE REPORTER.)

9 JUDGE WOODRUFF: Okay. We're back, and you
10 may continue with your examination.

11 And while we were off the record, you marked a
12 couple of exhibits. Do you want to describe what those
13 were?

14 MR. SCHWARZ: What has been marked as
15 Exhibit 19HC, 1998-1999 reliability report from MGE, and
16 20HC is the 2000-2001 reliability report.

17 JUDGE WOODRUFF: Okay. You can proceed.

18 MR. SCHWARZ: Thank you.

19 BY MR. SCHWARZ:

20 Q. Do you have your surrebuttal testimony?

21 A. Yes, I do.

22 Q. Would you take a look at MTL-34?

23 A. Yes, I'm there.

24 Q. And is that the same basic data that

25 Ms. Jenkins had in her testimony?

1 A. I hope so. Yes, it is.

2 Q. Looking down the January column, what is the
3 coldest January for the 30 years of data?

4 A. For how many years of data?

5 Q. I know it's -- there's 30 years listed there,
6 even though there's -- for instance, there's two 7s and two
7 6s and two 5s.

8 A. Oh, yes.

9 Q. But there's 30 years there altogether. I just
10 want to know which in the January column is the most heating
11 degree days?

12 A. 1,629.

13 Q. And that would be the coldest January?

14 A. Yes.

15 Q. Okay. And what's the warmest?

16 A. 841.

17 Q. Would you look at the November column and tell
18 me what are the number of heating degree days for the
19 coldest November?

20 A. 877.

21 Q. And the warmest?

22 A. 398.

23 Q. And what is the average or mean for that
24 column of numbers?

25 A. Is that for November you're asking about?

1 Q. Yes, November.
2 A. For the 30 years of data it would be 677.
3 Q. And January, is that 1,185?
4 A. Yes, for -- for the 30 years of data.
5 Q. Can you tell me how the range is calculated?
6 A. The range is simply the width between the
7 minimum and the maximum as compared to the average.
8 Q. The range, is not the range simply the largest
9 number in the series minus the smallest number in the
10 series?
11 A. Here on this table it's expressed as a
12 percentage.
13 Q. Okay.
14 A. Were you asking me about this table
15 specifically or were you asking me --
16 Q. Just generally.
17 A. Well, obviously range can be described in more
18 ways than one, but, you know, you can either describe it as
19 an absolute number or width of range, if you will, in a set
20 of numbers or it can be, you know, what we described here as
21 a percent of the mean.
22 Q. Did you get a copy of what had been marked
23 previously as Exhibit 17HC?
24 A. No, I did not.
25 MR. SCHWARZ: May I approach the witness?

1 JUDGE WOODRUFF: You may.

2 BY MR. SCHWARZ:

3 Q. This is --

4 A. Yes.

5 Q. The top two tables are the numbers that I went

6 over with Mr. Reed earlier, taken from his JJR-1, and I want

7 to talk to you about the figures in the third and final

8 table on the page. You have your rebuttal testimony?

9 A. Yes.

10 Q. Let me see if -- do the -- and I don't want to

11 go in -- these numbers are HC, I believe. They've been

12 marked HC. Can you tell me if the numbers in that first row

13 comport with, I believe, the response to DR 28 that's

14 attached to your rebuttal testimony?

15 A. Without adding up all the numbers in the

16 schedule, it appears that they do.

17 Q. Okay. And in the second box there, the

18 numbers that are recorded there as --

19 A. Actually, I'd also state that that row of

20 numbers is reflected on page 9 of my rebuttal as well,

21 what's shown as Table No. 2.

22 Q. Okay. And moving down to the row that's

23 labeled as actual there --

24 A. Yes.

25 Q. -- are those the numbers that reflect the

1 actual storage withdrawals for the respective months as
2 reflected in Ms. Jenkins' direct, Schedules 8 and 14?

3 A. Yes.

4 Q. So assuming that the math is correct, the
5 figures there are verified, are accurate?

6 A. Are you talking about the percentages?

7 Q. I'm talking about -- no.

8 A. The planned and actual numbers are, yes,
9 correct.

10 MR. SCHWARZ: Could I -- well, never mind.
11 Math can be checked by anybody, I guess.

12 I would now ask at this time that Exhibit 17HC
13 be admitted.

14 JUDGE WOODRUFF: All right. 17HC has been
15 offered into evidence. Are there any objections to its
16 receipt?

17 Did you have an objection, Mr. Micheel?

18 MR. MICHEEL: I didn't, Judge.

19 JUDGE WOODRUFF: Okay. I saw you conversing
20 with counsel. I wanted to give you an opportunity.

21 MR. MICHEEL: Thank you.

22 JUDGE WOODRUFF: Hearing no objections, then
23 17HC will be admitted into evidence.

24 (EXHIBIT NO. 17HC WAS RECEIVED INTO EVIDENCE.)

25 BY MR. SCHWARZ:

1 Q. Mr. Langston, why does MGE -- has MGE provided
2 reliability reports to the Staff?

3 A. Typically because of stipulated agreements.

4 Q. I think you indicated earlier that no
5 reliability report was submitted for 1999-2000; is that
6 correct?

7 A. That's correct.

8 Q. Why wasn't it -- well, was one prepared
9 internally, prepared for internal use at MGE?

10 A. No.

11 Q. Was --

12 A. Not in the form that had previously been
13 provided to the Staff as a reliability report.

14 Q. Was one submitted for 2000-2001?

15 A. Yes.

16 Q. And was one submitted for 1998-1999?

17 A. Yes. They were under two separate agreements
18 with two different sets of information to be included, but
19 they were titled the same -- the same type of report.

20 Q. I have had marked the 1998 through 1999
21 reliability report as Exhibit 19HC. Have you had an
22 opportunity to look at that, at least briefly?

23 A. Yes.

24 Q. Does that appear to be what MGE provided to
25 Staff?

1 A. Yes.

2 Q. And similarly with Exhibit 20HC, does that
3 appear to be the 2000-2001 --

4 A. Yes.

5 Q. -- report?

6 With respect to Exhibit 19, the '98
7 reliability report, would you turn to page 13, please?

8 A. Table I-1?

9 Q. Yes.

10 A. Okay.

11 Q. And in the 2000-2001 report, would you turn to
12 page 10 in that at the same time?

13 A. Page 10, Table I-3?

14 Q. Yes. And those tables present essentially the
15 same -- the -- well, let me ask you, what do those tables
16 present?

17 A. This was the -- it shows three cases. The
18 base case was the -- the forecasted normal demand level by
19 month. The other cases represent a variation on that
20 demand, which are low and high cases which are calculated
21 based on either warmer than normal weather or colder than
22 normal weather.

23 Q. Then in the '98 report, would you turn to
24 page 16?

25 I did not -- and what is Table I-3 on page 16

1 of the '98?

2 A. Table I-3 is a calculation based on the
3 assumptions we've used of the amount of contracted supply
4 needed as far as entire month supply deliveries are
5 concerned. It works in conjunction with a peak day table,
6 which I believe Table I-4 on page 18, taken together, these
7 two tables, the purpose of these tables is to identify the
8 structure of contracted supply requirements that the company
9 would enter into in order to conservatively be able to meet
10 a reliable delivery requirement in each month.

11 Q. And if you look at Table I-3 in the month of
12 November, what is the planned storage withdrawal indicated
13 there?

14 MR. DUFFY: That appears to be an HC number,
15 or at least we're talking off of a highly confidential page.
16 I don't know whether it is still HC or not. So I would like
17 the witness to make a determination whether it's HC or not.

18 MR. SCHWARZ: Thank you.

19 THE WITNESS: Let me just say, I think
20 we've -- I don't think these are anymore. I don't know that
21 that number's ever been released from this highly
22 confidential designation. I don't know that I have concern
23 about it.

24 BY MR. SCHWARZ:

25 Q. Let me rephrase the question. Is there an

1 indicated storage withdrawal for November?

2 A. What this sheet is designed to do is to
3 outline a minimal storage withdrawal number in order to
4 calculate -- the purpose of this table is to maximize
5 within, you know, a reasonable range the amount of contract
6 supply needed. So the purpose of this is not to, you know,
7 come up with an absolute plan of storage withdrawals,
8 monthly flowing supplies, that sort of thing. This
9 reliability report was produced in conjunction with the
10 previous two as a result of GO-96-243, which came out of the
11 incentive plan of GR-94-318.

12 And the concern the Commission had in
13 approving this incentive plan was the fact that the company
14 would somehow start doing short-term supply purchasing
15 programs in order to try to maximize their opportunities
16 under the incentive mechanism. So the origination of this
17 reliability report was to show the Commission that
18 conservatively we were going to go at a contract to make
19 sure we had adequate flowing supplies to meet, you know,
20 our -- our projected demand.

21 So the intention of these reports was to
22 maximize the calculated amount of storage -- I'm sorry --
23 supply that we needed to contract for. And, of course, when
24 you contract for supply, there's two issues. You have to
25 have the daily deliverability that you project that you need

1 and you have to have the access to the quantity of supply on
2 a monthly basis. And that's the purpose of these
3 reliability reports.

4 Q. And would you read the title of this table for
5 me?

6 A. Projected Monthly Supply Requirements Average
7 Monthly Demands.

8 Q. Base case?

9 A. Base case.

10 Q. I think you rescued me earlier on finding
11 those. That is not the same number that appears on page 11
12 of your rebuttal testimony; is that correct?

13 A. Page 11 of my rebuttal testimony in Table 3?

14 Q. Yes.

15 A. That -- that is a reflection of the storage
16 plan we used for the winter of '99-2000, and this is not the
17 same time period, nor is it designed to be the same
18 information.

19 Q. Understood. I'm sorry. It's not that -- and
20 '99-2000, no reliability report was given to Staff; is that
21 correct?

22 A. That's correct.

23 Q. So Staff would not have been aware of the
24 figure in Table 3, then, would it?

25 A. They were in our responses to the ACA Data

1 Request.

2 Q. But it's not anything that, for instance,
3 was --

4 A. During this time frame, in fact, continuing
5 back to about 1996, basically when these reliability reports
6 started being produced, the company contracted for a
7 software, a monthly supply planning software called Send Out
8 Software system. It's my understanding the Staff ultimately
9 obtained the same software and, in fact, we normally, once
10 our monthly supply plan was done, provided a copy of our
11 monthly supply plan and send out runs to the Staff every
12 single month, including every month in '98, '99, and, I
13 believe, continuing into early 2000. So the Staff had
14 access to exactly what our monthly supply plan was every
15 month.

16 Q. Let me ask you this: The number for November
17 in Table 2 on page 9 of your rebuttal, was that in the
18 2000-2001 reliability report submitted by MGE to Staff?

19 A. No. The 2000 -- the reports that followed --
20 beginning in 2000 followed out of a different case,
21 GO-2000-705. And essentially a lot of information that had
22 previously been presented, as well as the purpose of the
23 report, took on a different function.

24 Q. So as far as reliability reports are
25 concerned, the Staff never saw the number in Table 2 for

1 November, for instance, in the 2000-2001 reliability report,
2 nor did it see the November figure in Table 3 in the
3 '99-2000 report that was never submitted; is that correct?

4 A. Did you see it in a reliability report? No.
5 Did you see it in other documents? Yes.

6 Q. But we did see the figure in Table I-3 in the
7 '98-99 reliability report as well, did we not?

8 A. That is part of the reliability report.

9 Q. And we know Staff saw that?

10 A. I assume Staff looks at everything we send
11 them. They seem to, in any event.

12 MR. SCHWARZ: I would ask that Exhibits 19HC
13 and 20HC be admitted.

14 JUDGE WOODRUFF: All right. 19HC and 20HC
15 have been offered into evidence. Are there any objections
16 to their receipt?

17 MR. KEEVIL: Well, possibly, Judge. My --
18 I have absolutely no objection to the pages Mr. Schwarz
19 has referred to, page 13 and 16 of 19HC and page 10 of
20 Exhibit 20HC.

21 But since he's seeking to introduce the whole
22 reports, if it's being introduced for the truth of
23 everything that's in there, not knowing what's in there and
24 having only received it a few moments ago and the documents
25 being an inch or so thick, I would object to that. I don't

1 know if the tables that he's gone through are all that he
2 needs in or --

3 MR. DUFFY: I've also got a concern, not so
4 much as to whether it's admissible or not, but more in the
5 confidentiality range. I, fortunately or unfortunately, was
6 involved in GO-94-318 and GO-96-243 and I did the -- we
7 filed the first confidentiality or filed the first
8 reliability report, and I remember distinctly at that time
9 we were very concerned about who was going to be able to
10 look at that because of very serious concerns about the
11 parties to GO-94-318 getting access to this reliability
12 report because the Commission created this thing at the very
13 end of that proceeding on its own motion.

14 It wasn't -- it wasn't an issue in the case,
15 and suddenly we're ordered to file all this stuff. And we
16 said very clearly, okay, we'll give that stuff to you,
17 Commission, but we don't want all these parties in this case
18 looking at this material.

19 And so before we go too far here, I guess I
20 want some assurance from my client, especially Mr. Langston
21 here, that those confidentiality concerns, I think one of
22 which was Kansas Pipeline Company looking at this material,
23 whether those confidentiality concerns are now gone because
24 of the passage of time or change in events, or whether we
25 still have a concern about some people who could use the

1 data in these documents to the competitive disadvantage of
2 MGE.

3 I would like to ask Mr. Langston if my
4 concerns are out of control here or whether there's some
5 basis.

6 MR. SCHWARZ: Let me withdraw my offer, for
7 the time being, and we'll discuss it with the parties off
8 the record. I wanted to make sure that the witness had the
9 opportunity to look at the full document, and --

10 MR. DUFFY: I understand that. And I guess
11 I'd like to know, do I need to grab these copies that
12 Mr. Keevil has and get them out of his hands at this point
13 or not?

14 THE WITNESS: My understanding was that the
15 Commission ultimately ruled that we would provide the
16 reliability report to the OPC and the Staff and to no other
17 parties. And that's been, I believe, the practice all the
18 way up until the most recent one, which was July '02. So
19 that would be -- that would certainly be my preference.

20 MR. DUFFY: Can the record reflect that --
21 that Staff counsel can retrieve these copies from
22 Mr. Keevil?

23 MR. SCHWARZ: I don't know that I'm man
24 enough.

25 JUDGE WOODRUFF: Any objection, Mr. Keevil?

1 MR. KEEVIL: We're not covered by the
2 Protective Order?

3 MR. DUFFY: This -- this was a -- went beyond
4 that. And the Commission -- we -- there were pleadings
5 filed in this case and we specifically said, look, the
6 confidentiality aspects of this transcend a Protective
7 Order. This stuff is so sensitive in terms of competitive
8 purposes that it doesn't matter whether, you know, it's
9 classified HC or not.

10 That's my recollection from, lo, those many
11 years ago. And the Commission agreed with us, said yes,
12 those other parties had no business looking at the
13 documents.

14 THE WITNESS: I think the main concern was
15 that the company could -- could have a consultant sign an
16 agreement and have that full access to the information,
17 which was a concern. I mean, perhaps you-all can talk about
18 just pulling those pages out or something. I don't think
19 that would be a problem.

20 MR. SCHWARZ: Let me -- I won't collect
21 them from MGE or OPC, but let me snatch them back from
22 Mr. Keevil.

23 JUDGE WOODRUFF: Ultimately it's my decision,
24 I guess.

25 MR. SCHWARZ: Well, if I'm not going to offer

1 it, though.

2 MR. KEEVIL: I was going to say, I'll have a
3 new objection to their admission if I'm not allowed access
4 to the document.

5 JUDGE WOODRUFF: Since they're not offering it
6 at this point, I'll grant that and allow them to snatch it
7 back from you, as they put it.

8 MR. KEEVIL: I've already written on it. Of
9 course, I only wrote 19 and 20. I wrote all sorts of
10 confidential things.

11 MR. HACK: In disappearing ink.

12 JUDGE WOODRUFF: Okay. For the moment, then,
13 19 and 20 have been withdrawn from Mr. Keevil, and they've
14 not been offered into evidence at this point. So we'll wait
15 and decide further on when and if they are offered into
16 evidence.

17 Are we clear on that, everybody?

18 MR. DUFFY: Thank you, your Honor.

19 JUDGE WOODRUFF: All right.

20 MR. KEEVIL: Would this help at all? I'll go
21 back to my original offer. I have no problem with page 13
22 and 16 of 19HC and page 10 of 20HC, and I don't think those
23 are the ones MGE was concerned about me having.

24 MR. DUFFY: I think we have to have a
25 discussion off the record to determine if that's doable. If

1 it is, then certainly that's a viable solution. If it
2 isn't, we'll have to figure out some other way to deal with
3 it. At this point, all I remember is there was very
4 sensitive stuff in there, and I don't know whether that
5 shows up on this page that we've just looked at or not.

6 MR. KEEVIL: The stuff on the page we just
7 looked at was basically the same stuff we've got in the --

8 MR. DUFFY: I don't want to make a decision on
9 the fly without having the opportunity to consult with the
10 client and make sure that we don't inadvertently disclose
11 something that we have tried to jealously keep secret for
12 all these years.

13 JUDGE WOODRUFF: From the looks of it, we're
14 probably not going to finish this witness today, so we'll
15 defer decision on that until tomorrow morning.

16 MR. DUFFY: But we are glad to have whatever
17 discussions off the record that are necessary to try to
18 resolve this.

19 JUDGE WOODRUFF: You can certainly discuss it
20 among yourselves as you wish. Can you go on to your next
21 area?

22 MR. SCHWARZ: Thank you.

23 BY MR. SCHWARZ:

24 Q. If you would, sir, in your Schedule MTL-18 to
25 your rebuttal testimony --

1 A. Yes.

2 Q. -- I want to say there is information
3 beginning about two-thirds of the way through, headed
4 WNG-2000 TSS Summer Injection Schedule.

5 MR. DUFFY: Can you hold on a second while we
6 find where you are in there? This is in the HC material?

7 MR. SCHWARZ: Yes.

8 MR. DUFFY: In MTL-18?

9 MR. SCHWARZ: Yes.

10 MR. DUFFY: I have no idea where to look.

11 MR. SCHWARZ: Let me count from the back.

12 THE WITNESS: WNG-2000 SSS summer injection
13 schedule. I've got that.

14 MR. SCHWARZ: It's about nine pages from the
15 back.

16 MR. DUFFY: Let me find that. And I'm sorry,
17 what is the heading I'm looking for?

18 MR. SCHWARZ: WNG-2000 TSS summer injection
19 schedule.

20 MR. DUFFY: 2000 TSS?

21 MR. SCHWARZ: Yeah.

22 MR. DUFFY: WNG-2000 TSS summer injection
23 schedule is 7/12/2001?

24 MR. SCHWARZ: Yes.

25 MR. DUFFY: Thank you. I just want to be on

1 the same page.

2 MR. SCHWARZ: We are on the same page.

3 BY MR. SCHWARZ:

4 Q. And as Mr. Duffy indicated, there's what
5 appears to be a date 7/12/2001. Is that when this report
6 was generated?

7 A. No. That's simply when this was printed off
8 the computer.

9 Q. The following page is the winter withdrawal
10 schedules; is that correct?

11 A. Yes.

12 Q. And, again, the 7/12/2001 simply indicates
13 when it was printed?

14 A. Correct.

15 Q. Do you have any idea when it was created?

16 A. This report, there's a group of columns on the
17 left-hand side of the sheet labeled original plan. That
18 essentially represents the plan going into the injection
19 cycle, if you will. On the right-hand side, what's termed
20 updated plan -- this document is maintained electronically,
21 and essentially at the completion of each month, that
22 month's actual is -- is entered and then the remainder of
23 the plan would be updated.

24 You know, unfortunately we don't -- I mean, as
25 it's updated, whatever that next month's number was gets

1 replaced by what was actually occurring, and then, you know
2 it gets updated every single month. We use this as part of
3 the monthly supply planning process.

4 So this particular sheet would have been
5 completed in November of 2000, as the month of October data
6 was finalized. In other words, when the October data became
7 actual, that's why the numbers on the right are highlighted
8 in bold.

9 Q. Okay. But there's no record here as to when
10 the original plan numbers were generated?

11 A. It would have been prior to the injection
12 season.

13 Q. Sometime?

14 A. Right. We didn't date when we did that
15 exactly.

16 Q. Do you have Ms. Jenkins' direct?

17 A. Yes.

18 Q. Would you turn to her Schedule 8?

19 A. 8-1?

20 Q. Yes. And would you agree that the figures
21 under the company's -- under the company's normal monthly
22 storage withdrawals are consistent with DR 28?

23 A. Yes, that's under Column C.

24 Q. How does the company determine the volumes
25 that are listed in that column, the planned storage

1 withdrawals? Strike that.

2 How did they do it in the year 2000-2001?

3 A. Generally for 2000-2001, we followed
4 essentially the same plan that we utilized in the previous
5 two years, with the addition that, as I think Mr. Reed
6 alluded to, the October time period was warmer than normal.
7 As a result, we found ourselves having excess gas flowing in
8 October.

9 We had the same issues in late October as we
10 did in -- as we would in early November with storage
11 injection. So we entered into an interruptible storage
12 arrangement with the Williams Central Pipeline to allow us
13 to essentially inject more than our maximum storage quantity
14 than we previously had contracted for.

15 So we had slightly a greater amount of gas in
16 storage than we normally do on November 1st. So as a
17 result, we slightly increased November by 150,000 out of, I
18 think, we had 400-some-odd-thousand of incremental supply.
19 But I believe that number has been removed from this number,
20 you know, I believe was Ms. Jenkins' testimony.

21 Q. Flip back to Schedule 7-4, if you would, and
22 in the November column, what is the smallest number?

23 A. It would be 398 in 1999-2000.

24 Q. 1999-2000. That indicates that November of
25 '99-2000 was the warmest month in that series?

1 A. Up to that time, yes, without going back
2 further.

3 Q. And -- never mind.

4 A. That was a very low demand month for MGE for a
5 November month. Frankly, we had another low November demand
6 month in November of '01.

7 Q. Could you explain for me how the company
8 determines the level of first-of-the-month volumes?

9 A. Normally we look at what our expected normal
10 consumption is, if there's any reasons for us to change it
11 or not. Generally entering into the winter we typically
12 don't make any changes to, say, a November-type month unless
13 we have some extremely unusual weather forecast or those
14 sort of things. That's not normally the case in November.

15 If not, we go with what our, you know, normal
16 expected demand level is for November. Then we look at what
17 our, you know, storage plan is for the entire season, what
18 our flowing gas, our contracted supply availability is, and,
19 you know, match -- we make sure we have resources to match
20 on a monthly basis that total demand.

21 Then we look at our peak day capacity
22 availability under our supply contracts and our maximum
23 storage available to make sure that we have enough coverage
24 to meet the maximum single day heating degree day supply
25 requirement that we may face in that particular month.

1 Typically on our monthly plans at the top
2 we'll have, you know, a peak day coverage number which will
3 tell us the number of heating degree days that that supply
4 plan can supply, you know, within that month with no
5 additional supplies contracted for.

6 Then we break down and we allocate those
7 supplies and try to utilize the capacities and the supplies
8 from the areas that are cheapest, you know, starting with
9 the cheapest, moving up the line in cost, until we then
10 match the level for first-of-the-month nominations.

11 JUDGE WOODRUFF: I assume you would like this
12 marked as an exhibit?

13 MR. SCHWARZ: Yes, I would.

14 JUDGE WOODRUFF: It will be 21.

15 MR. SCHWARZ: I will note that the pages are
16 marked HC.

17 JUDGE WOODRUFF: 21HC, then.

18 (EXHIBIT NO. 21HC WAS MARKED FOR
19 IDENTIFICATION BY THE REPORTER.)

20 BY MR. SCHWARZ:

21 Q. I've handed you what's been marked as Exhibit
22 21HC, which consists of three MGE responses to Staff Data
23 Requests, the first being No. 57, the second being No. 64
24 and the third page being No. 77. And I would ask you if --
25 well, strike that.

1 This is marked HC, and I would like him to
2 read portions of this into the record, so I would ask that
3 we go in-camera at this stage.

4 JUDGE WOODRUFF: All right. We are going to
5 go into in-camera, then, off the Internet. Anyone who needs
6 to leave, please do so.

7 MR. KEEVIL: Does that include me, Mr. Duffy?

8 MR. DUFFY: No, I don't think so. I don't
9 think the same concerns arise here as previously.

10 MR. KEEVIL: Just wanted to make sure.

11 (REPORTER'S NOTE: At this point, an in-camera
12 session was held, which is contained in Volume 3, pages 198
13 through 216 of the transcript.)

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1 BY MR. SCHWARZ:

2 Q. Would you take a look at Schedule MTL-22 to
3 your rebuttal testimony, please.

4 A. Yes.

5 Q. On the second page of -- it's not marked HC.
6 Could you take --

7 MR. DUFFY: There isn't a --

8 THE WITNESS: There is a Schedule MTL-23.

9 BY MR. SCHWARZ:

10 Q. MTL-23. I'm sorry. I'm sorry. Is any of
11 that -- I mean, it's not marked highly confidential that I
12 can see. Is there anything HC on there?

13 A. I'm sorry. Not that I see at this moment.

14 Q. There's a column headed actual storage WACOG.
15 Would you identify what WACOG means?

16 A. Weighted average cost of gas.

17 Q. And for the heating season of '99-2000, what
18 was the WACOG for storage?

19 A. 2.48.

20 Q. And for the following heating season?

21 A. For 2000-2001?

22 Q. Yeah.

23 A. For November it was 4.23, for December 4.21,
24 January 4.19, February and March had about 4.29.

25 Q. \$4.20 more or less for our purposes?

1 A. Correct.

2 Q. So that would it be safe to say that for the
3 same volumes of gas put into storage in the 2000-2001
4 period, compared to the '99-2000 period, that MGE's cash out
5 of pocket would have been substantially more in 2000-2001?

6 A. As far as injecting into storage?

7 Q. Yes.

8 A. Yes.

9 Q. Would -- what's the -- what's the effect on
10 MGE's cash flow of withdrawing gas from storage, as opposed
11 to buying flowing gas to meet unplanned for demand?

12 A. Well, to the extent that you withdraw gas out
13 of storage, well, you know, we file a seasonal PGA filing,
14 purchased gas adjustment or tariff rate for our gas costs.
15 So to the extent that that's what we're -- what we have
16 filed, then that's what we're going to recover from the
17 customers.

18 So the issue's going to be whether or not that
19 filing included levels higher or lower, I mean, as the case
20 may be as far as what the projected levels were, and it also
21 depends on what the projected flowing price was at the time.

22 Obviously, if you have -- if you forecasted an
23 average flowing gas price that's above your storage price,
24 then if you're withdrawing gas out of storage, you're going
25 to have an incremental gain, although if you've projected a

1 flowing gas price that's below your average storage price,
2 then you're going to actually have an additional incremental
3 cost. But I'd say going into the winter particularly, the
4 cycle billing lead lag issues far outweigh -- I mean, just
5 the simple, you know, collection payments from a gas cost
6 standpoint. Maybe I'm not really understanding your
7 question here.

8 Q. The gas that is pulled out of storage, MGE has
9 certainly by December already taken money out of its pocket
10 and paid for that gas; is that correct?

11 A. Sure.

12 Q. So that by pulling gas out of storage, you
13 will be delivering to customers gas for which MGE makes no
14 further payment; is that correct?

15 A. That's correct.

16 Q. Whereas, flowing supply, if you deliver
17 flowing supply to customers, then MGE still has to pay for
18 that gas?

19 A. At some point.

20 Q. Right. So that if MGE pulls gas out of
21 storage, it has a greater pre cash flow than if it nominates
22 flowing gas; is that correct?

23 A. Well, and I guess my comment is, you're only
24 looking at the cost side. When you look at cash flow,
25 you're going to have to also look at what you're collecting

1 on the revenue side, because your cash flow's going to be
2 the net of those two.

3 Q. But your PGA is our PGA; is it not? The rate
4 that you charge is the Commission approved rate; is that
5 correct?

6 A. That's correct, but -- that's correct. My
7 point is it depends on where the price is of flowing gas
8 versus storage gas as to which way it benefits you. And on
9 a cash flow basis, it also depends on what your revenue is
10 that you're collecting under your PGA and what forecast was
11 embedded in the PGA forecast, as compared to what you're
12 actually paying.

13 Q. Well, what you're suggesting is, is that if
14 your PGA rate is higher than the delivered cost of flowing
15 gas, that there may be a margin, if you will -- I mean, if
16 you were in the private retail sector, the difference
17 between your cost of goods sold and the price that you're
18 getting from the customer, that there would be a margin
19 there? Am I understanding your answer correctly?

20 A. In simple terms, yes. You also have the lead
21 lag of the cycle billing issues through the -- through that
22 process, but yeah.

23 Q. Correct. And if you pull the gas out of
24 storage, from a cash flow perspective, there are -- that gas
25 has already been invoiced and MGE is free to do with that

1 cash what it will choose; for instance, paying down the
2 short-term debt that was used to finance the injection of
3 gas into inventory in the first place?

4 A. Assuming that -- assuming it's collecting its
5 money, yes.

6 Q. Yes.

7 A. Which is a big assumption this particular
8 year.

9 Q. Yes. Understood.

10 A. So we actually didn't collect all our money
11 this year.

12 Q. Do you have any idea how utilities do on
13 collections relative to, say, other retail installment
14 sellers?

15 A. You know, my knowledge is only what our
16 situation was. I think we had about \$4 million embedded in
17 uncollectible expenses in our rates in this particular year,
18 and I want to say our uncollectibles were on the order of
19 12 and a half million. So, I mean, we had 8 and a half
20 million not recovered in rates. As a -- if you're talking
21 about a percentage, I have no idea of what -- what normal
22 losses or whatever are.

23 Q. In the competitive market?

24 A. I would assume it would vary significantly
25 based on the type of issues you're talking about, whether

1 it's mortgage delinquencies versus auto repossessions
2 versus, you know, retail accounts, you know, non-secured
3 versus secured. I'm sure it's all over the board.

4 JUDGE WOODRUFF: Before you go into a new
5 area, it's almost five o'clock, so we need to stop for the
6 day.

7 MR. SCHWARZ: I think that if given the
8 opportunity to reorganize, I will probably be able to
9 conclude briefly in the morning.

10 JUDGE WOODRUFF: All right. Very good. With
11 that, then, we're off the record until 8:30 tomorrow
12 morning.

13 Thank you.

14 (WHEREUPON, the hearing of this case was
15 recessed until May 13, 2003, at 8:30 a.m.)

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1	I N D E X	
2	MGE'S EVIDENCE:	
3	JOHN REED	
	Direct Examination by Mr. Duffy	36
4	Cross-Examination by Mr. Schwarz	37
	(In-Camera Session - See Index Below)	
5	Questions by Commissioner Gaw	64
	Questions by Commissioner Murray	96
6	Questions by Commissioner Forbis	108
	Questions by Judge Woodruff	115
7	Further Questions by Commissioner Gaw	118
	Further Questions by Commissioner Murray	119
8	Recross-Examination by Mr. Micheel	121
	Recross-Examination by Mr. Schwarz	128
9	Redirect Examination by Mr. Duffy	141
	Further Questions by Judge Woodruff	155
10	Further Recross-Examination by Mr. Micheel	156
11	JOHN REED (In-Camera Session - Volume 3)	
	Cross-Examination by Mr. Schwarz	48
12	MICHAEL LANGSTON	
13	Direct Examination by Mr. Duffy	157
	Cross-Examination by Mr. Keevil	164
14	Cross-Examination by Mr. Schwarz	166
15	MICHAEL LANGSTON (In-Camera Session - Volume 3)	
	Cross-Examination by Mr. Schwarz	198
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

1	EXHIBITS INDEX		
2		MARKED	RECEIVED
3	EXHIBIT NO. 1		
3	Direct Testimony of John Reed	11	37
4	EXHIBIT NO. 2		
5	Surrebuttal Testimony of John Reed	11	37
6	EXHIBIT NO. 3		
6	Direct Testimony of Michael Langston	11	160
7	EXHIBIT NO. 4NP		
8	Rebuttal Testimony of Michael Langston	11	161
9	EXHIBIT NO. 4HC		
9	Rebuttal Testimony of Michael Langston, Highly Confidential	11	161
10	EXHIBIT NO. 5NP		
11	Surrebuttal Testimony of Michael Langston	11	164
12	EXHIBIT NO. 5HC		
13	Surrebuttal Testimony of Michael Langston, Highly Confidential	11	164
14	EXHIBIT NO. 6		
15	Direct Testimony of John Herbert	11	
16	EXHIBIT NO. 7		
16	Rebuttal Testimony of John Herbert	11	
17	EXHIBIT NO. 8		
18	Surrebuttal Testimony of John Herbert	11	
19	EXHIBIT NO. 9NP		
19	Direct Testimony of David Sommerer	11	
20	EXHIBIT NO. 9HC		
21	Direct Testimony of David Sommerer, Highly Confidential	11	
22	EXHIBIT NO. 10		
23	Rebuttal Testimony of David Sommerer	11	
24	EXHIBIT NO. 11NP		
24	Surrebuttal Testimony of David Sommerer	11	
25			

1	EXHIBIT NO. 11HC		
2	Surrebuttal Testimony of David Sommerer,		
	Highly Confidential	11	
3	EXHIBIT NO. 12NP		
	Direct Testimony of Lesa Jenkins	11	
4			
	EXHIBIT NO. 12HC		
5	Direct Testimony of Lesa Jenkins,		
	Highly Confidential	11	
6			
	EXHIBIT NO. 13NP		
7	Rebuttal Testimony of Lesa Jenkins	11	
8	EXHIBIT NO. 13HC		
	Rebuttal Testimony of Lesa Jenkins,		
9	Highly Confidential	11	
10	EXHIBIT NO. 14NP		
	Surrebuttal Testimony of Lesa Jenkins	11	
11			
	EXHIBIT NO. 14HC		
12	Surrebuttal Testimony of Lesa Jenkins,		
	Highly Confidential	11	
13			
	EXHIBIT NO. 15		
14	Direct Testimony of Anne Allee	11	
15	EXHIBIT NO. 16		
	Surrebuttal Testimony of Anne Allee	11	
16			
	EXHIBIT NO. 17HC		
17	Withdrawal Tables	41	
18	EXHIBIT NO. 18		
	Historical Heating Degree Day Information	53	63
19			
	EXHIBIT NO. 19		
20	Reliability Report	174	
21	EXHIBIT NO. 20		
	Reliability Report	174	
22			
	EXHIBIT NO. 21HC		
23	Data Request Nos. 57, 64 and 77	196	
24			
25			