

# Confidential Release

**Case Number: 95-600-EL-BTX**

**Date of Confidential Document:  
December 27, 1996**

**Today's Date:  
August 24, 2009**

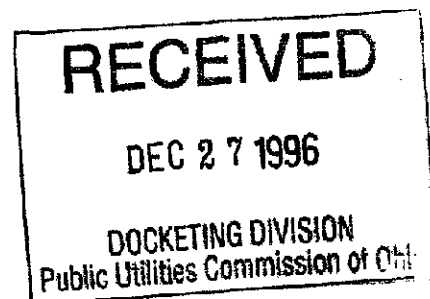
**ICN #0168 Confidential portion of transcript of  
hearing held 12/12/96, Volume VI, filed. (21 pgs.)  
(FILED UNDER SEAL)**

This is to certify that the images appearing are an  
accurate and complete reproduction of a case file  
document delivered in the regular course of business.  
Technician SM Date Processed AUG 24 2009

21 P8  
0168

Confidential

CONFIDENTIAL PORTION  
CLEVELAND ELECTIC ILLUMINATING CO.  
PUCO 95-600-EL-BTX  
VOLUME 6  
TAKEN 12-12-96



**RECEIVED**

**DEC 27 1996**

**DOCKETING DIVISION  
Public Utilities Commission of Ohio**

Confidential

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 (Confidential Transcript filed under seal.)

2 MR. KEMPIC: Your Honor, I'm going to distribute a  
3 section from the Member Edition of the 1993 EPRI TAG booklet and  
4 have it marked as Company Exhibit 14. This is the confidential  
5 portion.

6 EXAMINER FARKAS: And we're marking this CEI Exhibit  
7 14, and the first page is entitled "Liquid Gas Shield  
8 Technologies", and it is -- okay.

9

10 Thereupon, Company Exhibit No. 14 was marked for  
11 purposes of identification.

12

13 MR. KEMPIC: Thank you.

14 BY MR. KEMPIC:

15 Q. Mr. Blecker, isn't it true that there are different types  
16 of combustion turbines?

17 A. Yes, it is.

18 Q. On CEI Exhibit 14, on Page -- or, rather, on Page 8-99 it  
19 describes the type of combustion turbine that you have  
20 considered and proposed that CEI install as an alternative to  
21 the Rachel 138 kV transmission line; is that correct?

22 MS. MIGDEN: Your Honor, if I may ask a question --  
23 ask that a question be posed to Mr. Blecker, which is, is he  
24 familiar with this document and has he ever seen it, since this  
25 is a company document that they -- that they are seeking to

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 elicit responses and information from Mr. Blecker on and which  
2 he may be seeing for the very first time?

3 MR. KEMPIC: Your Honor, I would -- I would submit  
4 that this Exhibit 22 was also marked as an exhibit by Citizens  
5 for a Better Way.

6 MS. MIGDEN: Not this entire document.

7 THE WITNESS: I have never seen the Member Edition of  
8 this document.

9 EXAMINER FARKAS: Okay. Well, for the record, you  
10 are -- you've never seen this page?

11 THE WITNESS: Not the Member Edition.

12 EXAMINER FARKAS: Not --

13 THE WITNESS: There is a --

14 EXAMINER FARKAS: But are you familiar with --

15 THE WITNESS: There is a public edition that I have  
16 seen.

17 MR. KEMPIC: Okay.

18 BY MR. KEMPIC:

19 Q. Okay. If you could pull that out then, if you have that  
20 with you.

21 Have you found that yet, Mr. Blecker?

22 A. No, I have not.

23 MR. KEMPIC: Your Honor, if we could go off the record  
24 for a second.

25 EXAMINER FARKAS: Yeah, let's go off the record.

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 (Discussion held off the record.)

2 EXAMINER FARKAS: Let's go back on the record.

3 BY MR. KEMPIC:

4 Q. Mr. Blecker, would you agree with me that what is in --  
5 what is labeled CEI Exhibit 14, Page 8-99, is an accurate copy  
6 of what is labeled Citizens for a Better Way Exhibit No. 3?

7 A. Yes.

8 MS. MIGDEN: Your Honor, may I ask that questions with  
9 regard to this not be under seal if it's relating now to a  
10 public document; that any questions you have with regard to this  
11 particular exhibit, whether that has to be under seal for  
12 purposes of briefing?

13 MR. KEMPIC: Your Honor, this puts us in a difficult  
14 position because we can't, pursuant to our master license  
15 agreement, release this information without having it being held  
16 confidential.

17 MS. MIGDEN: But you didn't introduce it. It's my  
18 exhibit.

19 MR. KEMPIC: I can't speak towards their license  
20 agreement or their rights of use, your Honor.

21 MS. MIGDEN: Well --

22 MR. KEMPIC: I don't want to put the company in a  
23 position --

24 MS. MIGDEN: May I make a suggestion that Mr. Kempic  
25 and I see if we can work this out off the record at a later date

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 and then come back on this issue?

2 MR. KEMPIC: That's fine, your Honor.

3 MS. MIGDEN: As much as can be on the public record  
4 would be better.

5 EXAMINER FARKAS: Let's do that. But we'll still be  
6 confidential at this point and then we'll --

7 MS. MIGDEN: Okay.

8 BY MR. KEMPIC:

9 Q. Mr. Blecker, is the combustion turbine that's represented  
10 on Page 8-99 of CEI Exhibit 14 a simple combustion turbine?

11 A. Yes, it is.

12 Q. What is a simple -- What is a simple-cycle combustion  
13 turbine?

14 A. The waste heat is not reused, as in a cogen process, to  
15 increase the overall thermal efficiency or to provide for other  
16 requirements where steam would be a valuable input. In other  
17 words, you burn your fuel, drive the turbine, produce  
18 electricity, waste heat is recovered for efficiency of the unit,  
19 but you're not using that waste heat steam -- the waste heat or  
20 steam for other processes.

21 Q. Now, is the CT also an aero-derivative combustion turbine?

22 A. EPRI has a separate category for aero-derivative.

23 Q. Are you familiar with the aero-derivative combustion  
24 turbines?

25 A. Familiar in what sense?

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

- 1 Q. Do you know what one is?
- 2 A. It's derived from airplane engines.
- 3 Q. They're generally considered a stationary jet engine then?
- 4 A. Yes.
- 5 Q. Okay. The combustion turbine on Page 8-99 of CEI Exhibit
- 6 14, that's labeled at the top of the page as a STIG; is that
- 7 correct?
- 8 A. Yes.
- 9 Q. What does that stand for?
- 10 A. Steam turbine injection gas, I think.
- 11 Q. What is a steam -- or would you accept a definition of
- 12 steam-injected -- or steam -- Strike that.
- 13 What is a steam-injected gas turbine?
- 14 A. As I understand it, the -- it's a simple combustion turbine
- 15 where the waste heat is reinjected into the combustion chamber
- 16 to increase overall efficiency.
- 17 Q. Then let me compare and contrast that. A simple-cycle
- 18 combustion turbine application is what? One in which the --
- 19 A. There's no cogen.
- 20 Q. Okay. Is it true that each type of combustion turbine has
- 21 different types of operating characteristics?
- 22 A. I would accept that to be true.
- 23 Q. In addition to physical plant, physical equipment, do you
- 24 know what materials are needed to operate a steam-injected
- 25 aero-derivative combustion turbine?



MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

- 1 A. No.
- 2 Q. Do you know what fuel?
- 3 A. Natural gas.
- 4 Q. Do you know whether they require water to operate?
- 5 A. Inasmuch as there is steam in the process, I would assume
- 6 that water is required.
- 7 Q. Do you know how much water?
- 8 A. No, I do not.
- 9 Q. Do you know what type of water?
- 10 A. Based on my Navy experiences with power plants, it would
- 11 have to be clean water, perhaps deionized, I don't know, but
- 12 clean water.
- 13 Q. Earlier today in response to Mr. Wright I believe you
- 14 indicated that you didn't do any independent analysis of the
- 15 location of natural gas lines in the project area.
- 16 A. That's correct.
- 17 Q. Did you do any analysis as to whether there is adequate
- 18 water supplies for the operation of a STIG?
- 19 A. No.
- 20 Q. Do you know whether a STIG takes a larger area in which to
- 21 operate than would a simple single -- simple-cycle combustion
- 22 turbine?
- 23 A. I do not.
- 24 Q. On Page 51 of your testimony you estimated the cost for
- 25 your proposed CT as \$300 per kilowatt; is that correct?

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

- 1 A. Which page?
- 2 Q. Fifty-one.
- 3 A. Yes.
- 4 Q. Does that estimate include everything that's necessary to
- 5 install that combustion turbine and place it into operation?
- 6 A. That was my installed cost estimate.
- 7 Q. Including natural gas line extensions?
- 8 A. As we spoke of this morning, I'm not sure if that's
- 9 typically included in the balance of plant cost or a turnkey
- 10 installation.
- 11 Q. Okay. What about noise reduction?
- 12 A. I would assume that would be.
- 13 Q. Included?
- 14 A. Yes.
- 15 Q. Do you know what it would cost per -- what noise reduction
- 16 would cost per kw --
- 17 A. No, I don't.
- 18 Q. -- of generation?
- 19 Do you know if that cost included the cost of getting the
- 20 water line to the area?
- 21 A. No, I don't.
- 22 Q. What about the cost of water treatment?
- 23 A. No, I don't.
- 24 Q. What about the cost of the property?
- 25 A. Property is included, or so I would assume.

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

- 1 Q. What about a startup transformer? Would that be included?
- 2 A. That's a typical balance-of-plant item.
- 3 Q. Auxiliary transformer, is that included?
- 4 A. I don't know.
- 5 Q. Switch gear?
- 6 A. Yes.
- 7 Q. Control equipment?
- 8 A. Yes.
- 9 Q. What about the building? Is there any building required
- 10 for this?
- 11 A. I don't know if a building would be required or not, but
- 12 the construction pad would be -- the installation pad, excuse
- 13 me.
- 14 Q. Do you know whether water will freeze in Ohio in the
- 15 winter?
- 16 A. If Ohio gets below 32 degrees and it's pure water, it will
- 17 freeze.
- 18 Q. Okay. What does EPRI list as its total capital cost for
- 19 the combustion turbine shown on Page 8-99 of CEI Exhibit 14?
- 20 A. For the combustion turbine and auxiliary equipment, \$310
- 21 per kw.
- 22 Q. What about the total capital cost?
- 23 A. \$822 per kw including AFUDC.
- 24 Q. Okay. What does EPRI list as the cost for the steam
- 25 generator?

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 A. Looks like \$71 per kw.

2 Q. Okay. What about the costs for general facilities and  
3 engineering fee?

4 A. \$336 per kw.

5 Q. What does EPRI list as a cost for project --

6 MS. MIGDEN: Your Honor --

7 BY MR. KEMPIC:

8 Q. -- and process contingency?

9 MS. MIGDEN: Your Honor, this is an exhibit already on  
10 the record. I'm not sure what we're getting at by repeating all  
11 the numbers.

12 EXAMINER FARKAS: Well, the exhibit does speak for  
13 itself. All the costs are right there.

14 MR. KEMPIC: Okay. I'll move on.

15 BY MR. KEMPIC:

16 Q. Do you believe EPRI accurately estimated the cost for  
17 general facilities and engineering?

18 A. I believe at the time that this document was published, all  
19 of the costs were presumed to be reasonable and accurate by  
20 EPRI. This document was published in 1993, which means the date  
21 that that went into it is probably 1991, 1992 vintage.

22 At the time on -- Well, A, it's three years old; and, B, at  
23 the time, EPRI could not have presumed the level of competitive  
24 pressures which exist in the marketplace today which are driving  
25 down the capital costs of contracts. The country is long in

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 capacity and nobody's investment -- Let me restate that.

2 Few utilities are investing in new generation equipment.  
3 The market is -- has resulted in a much quicker decline in the  
4 prices, the purchased costs and the installed costs for  
5 combustion turbines than EPRI could have imagined three years  
6 ago.

7 Q. Turning to the operating requirements, would you agree with  
8 me that each type of combustion turbine has a different type of  
9 operating requirement?

10 A. What do you mean by "operating requirement"?

11 Q. Unit availability, duty cycle, net heat rate?

12 A. Yes, I would.

13 Q. On Page 49 of your testimony you state that "...CEI already  
14 has a potential site for the CT at the proposed Rachel  
15 Substation."

16 From an electrical engineering perspective, does that mean  
17 that you believe if a CT is built, it should be built at the  
18 site of the proposed Rachel Substation?

19 A. No. That merely means I was offering up the Rachel as a  
20 potential site which could be evaluated for locating a CT. The  
21 actual site will be dependent upon a number of variables and  
22 factors which I was not capable nor inclined to try to  
23 determine.

24 Q. What factors go into the location of a CT?

25 A. Access to the existing grid, interconnection requirements,

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 access to natural gas, for the case of the STIG access to water,  
2 zoning laws, land use.

3 Q. Do you know what plume incurion is?

4 A. Excuse me?

5 Q. Do you know what plume incurion is?

6 MS. MIGDEN: Is there a reference, please?

7 MR. KEMPIC: Yes. On Page 8-86 of CEI Exhibit No. 14.

8 MS. MIGDEN: Could you site to a paragraph, please?

9 MR. KEMPIC: The fourth full paragraph in the left  
10 column.

11 THE WITNESS: Taken in context, I'm assuming it has  
12 something to do with the nature or pattern of the dispersion of  
13 the exhaust gases from the combustion turbine.

14 BY MR. KEMPIC:

15 Q. Prior to reading this document, did you know what plume  
16 incurion was?

17 A. Not by that name.

18 Q. Did you consider that concept when you were making your  
19 recommendation that a CT would be a viable option to the Rachel  
20 line?

21 A. As I said earlier, I considered the overall emissions from  
22 the proposed CT in the context of impact on OTAG and overall  
23 levels of NOx and SOx emissions.

24 Q. But you did not consider whether a visible plume would be  
25 coming from the CT?

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 A. That would be highly unusual for a natural gas-fired  
2 combustion turbine.

3 Q. What about a STIG?

4 MS. MIGDEN: Objection. I think this has gotten  
5 beyond his testimony here. We're getting really out here.

6 MR. KEMPIC: Your Honor, he --

7 EXAMINER FARKAS: Well, I'd just like an answer to the  
8 question; did you consider this --

9 THE WITNESS: No.

10 EXAMINER FARKAS: -- before you saw the term?

11 Okay.

12 BY MR. KEMPIC:

13 Q. Do you know how water is demineralized?

14 MS. MIGDEN: Objection. What does the  
15 demineralization of water have to do with his testimony on need?

16 MR. KEMPIC: In Citizens for a Better Way Exhibit  
17 No. 3 that exhibit states that the company should investigate a  
18 STIG.

19 MS. MIGDEN: No, it doesn't. The Citizens Exhibit  
20 No. 3 uses a STIG for the purposes of giving an idea of what  
21 equivalent availability was. That was the purpose of Citizens  
22 Exhibit No. 3.

23 MR. KEMPIC: And if you let me proceed, we'll show how  
24 the equivalent availability of a STIG differs from the  
25 equivalent availability of other types of CTs such that this is

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 the only CT that could be installed pursuant to your client's  
2 recommendation.

3 MS. MIGDEN: If you want to pursue that line of  
4 questioning, go ahead; but I think your current question is  
5 irrelevant.

6 BY MR. KEMPIC:

7 Q. Do you know how water is demineralized?

8 MS. MIGDEN: I continue to object.

9 EXAMINER FARKAS: Okay. I'll note your objection for  
10 the record, but I overrule it; and let me ask, do you know?

11 THE WITNESS: I'm trying to remember back to the -- to  
12 my oh-so-distant past in the Navy.

13 EXAMINER FARKAS: He's not asking you to explain it  
14 yet, he's just asking do you know.

15 THE WITNESS: I have a basic idea.

16 BY MR. KEMPIC:

17 Q. That's all I need.

18 Are there any waste materials resulting from that?

19 A. I would imagine that there are.

20 Q. Do you know whether a waste stream from demineralizing  
21 water would require any type of treatment facility?

22 A. I don't know.

23 Q. Do you know whether the Ohio EPA requires any permits --

24 MS. MIGDEN: Objection, calls for a legal conclusion.

25 MR. KEMPIC: Your Honor, he did testify that he



MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 considered the emissions impacts. This is --

2 MS. MIGDEN: He considered the level of air emissions  
3 coming from a combustion turbine. He did not consider perm- --  
4 necessarily permitting the requirements for waste, et cetera, or  
5 what you're getting into. That's entirely different.

6 MR. KEMPIC: I don't believe it is entirely different,  
7 your Honor.

8 EXAMINER FARKAS: Well, do you know?

9 THE WITNESS: No.

10 BY MR. KEMPIC:

11 Q. So you're not familiar with the Ohio permit-to-install  
12 requirements under 35 -- 3745-31?

13 MS. MIGDEN: Objection. He's not an attorney.

14 EXAMINER FARKAS: Yeah, he wouldn't know that.

15 BY MR. KEMPIC:

16 Q. Do you know what a selective catalytic reduction system is?

17 A. It's a means for reducing NOx emissions; oxides and  
18 nitrogen, to be clear, instead of definition for NOx.

19 Q. Would the installation of one of those add to the cost of a  
20 combustion turbine?

21 A. Yes, it would.

22 MS. MIGDEN: One of what?

23 BY MR. KEMPIC:

24 Q. Do you know what that additional cost would be?

25 A. No, I don't.

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 Q. Do you know whether spent catalysts from a selective  
2 catalytic reduction system would be considered hazardous waste?

3 A. I don't know.

4 Q. Do you believe that selective catalytic reduction equipment  
5 would be required to operate a combustion turbine in an  
6 intermediate or baseload duty cycle?

7 A. You wouldn't operate a CT as a baseload unit.

8 Q. Never?

9 A. I wouldn't.

10 Q. No type of CTs?

11 A. CTs were designed to provide low capital costs and high  
12 operating maintenance costs, thereby making them very expensive  
13 means of providing baseload capacity.

14 Q. What about in intermediate levels of capacity; would you  
15 operate a CT at that level?

16 A. You could.

17 Q. Is it advisable?

18 A. It depends on the application, the need and the economics  
19 of the project.

20 MR. KEMPIC: Your Honor, if we could have one second,  
21 I have to reorganize some cross so that we could do all the  
22 confidential information at one section.

23 (Pause.)

24 BY MR. KEMPIC:

25 Q. Okay. In your Table DAB-1, Column B --

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 MS. MIGDEN: Could you reference a page for quick  
2 reference, please?

3 EXAMINER FARKAS: Page 10 of the direct, 1A, Page 10.

4 MR. KEMPIC: In the rebuttal testimony.

5 EXAMINER FARKAS: Okay.

6 BY MR. KEMPIC:

7 Q. Are you at Table DAB-1 on Page 7 of Citizens for a Better  
8 Way Exhibit 1C?

9 A. Yes, I am.

10 Q. In Column B you're showing a forced outage rate of 6.10.

11 A. That's correct.

12 Q. What's your source for that number?

13 A. Exhibit 22 of the EPRI TAG, equivalent unplanned outage  
14 rate.

15 Q. What -- Of a STIG?

16 A. Yes.

17 Q. Is that correct?

18 A. That's correct.

19 Q. Do you know whether equivalent unplanned outage rates and  
20 NERC forced outage rates mean the same thing?

21 A. No, I don't know.

22 Q. Pardon me?

23 A. I don't know.

24 Q. Then why is that comparison made between these tables on  
25 Page 7?

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 A. It's my assumption that they -- if they are not defined  
2 exactly the same, they represent similar performance factors;  
3 and the NERC number puts perspective on CEI Witness Bertaud's  
4 number of 18 -- 83 -- 83 percent availability or a 16.5 percent  
5 outage rate.

6 EPRI says 6.1 percent, NERC says it's actually 3 -- NERC  
7 says it's actually 3.04 percent.

8 Q. But you still don't know whether those actually represent  
9 the same concept, do you?

10 A. I believe they represent the same concept. The definitions  
11 may be slightly different.

12 Q. Could you define how EPRI defined equivalent unplanned  
13 outage?

14 A. No, I can't.

15 Q. Do you know whether there's a difference between a forced  
16 outage rate and a forced outage factor as defined by the NERC  
17 GADS?

18 A. Yes, there is.

19 Q. What is that difference?

20 A. The variables that go into the calculation.

21 Q. What are the different variables that go into the different  
22 calculations?

23 MS. MIGDEN: Could I have that -- into the calculation  
24 for?

25 MR. KEMPIC: For the forced outage rate and the forced

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 outage factor.

2 THE WITNESS: I don't have those committed to memory;  
3 I don't have the definitions with me.

4 BY MR. KEMPIC:

5 Q. Which one, those being the forced outage rate or the forced  
6 outage factors, did you rely upon?

7 A. Forced outage factor.

8 MR. KEMPIC: One second, your Honor.

9 EXAMINER FARKAS: Okay.

10 (Pause.)

11 BY MR. KEMPIC:

12 Q. Would it be appropriate in Table DAB-2, Column B, to have  
13 changed the title from "Forced Outage Rate" -- from "Forced  
14 Outage Rate" to "Forced Outage Factor"?

15 A. That would be appropriate.

16 Q. Would the percentage change?

17 A. I said I used the forced outage factor.

18 Q. So the percentage would not change?

19 A. If we called it forced outage factor, it would be 3.04  
20 percent. It is 3.04 percent. I used the forced outage factor.

21 Q. Page 8-99 of CEI Exhibit 14 contains a STIG, and you  
22 testified that's where you located the equivalent availability  
23 ratio; is that correct?

24 A. That's where I obtained the equivalent unplanned outage  
25 rate from.

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 Q. And in your definition is this STIG -- or, rather, strike  
2 that.

3 Is this a STIG cycle combustion turbine generating unit?

4 A. I'm sorry?

5 Q. This document -- This Page 8-99 of CEI Exhibit 14 does  
6 represent a STIG cycle combustion turbine generating unit; is  
7 that correct?

8 MS. MIGDEN: Your Honor, the document speaks for  
9 itself.

10 EXAMINER FARKAS: I would agree with that, the  
11 document does speak for itself.

12 MR. KEMPIC: Okay.

13 BY MR. KEMPIC:

14 Q. Could you please turn to Page 8-95 in CEI Exhibit 14?

15 Do you dispute the equivalent availability of a 50-megawatt  
16 combustion turbine is 83.5?

17 A. According to EPRI numbers, that is what they claim for the  
18 heavy-duty combustion turbine.

19 Q. Okay. Now, it's your testimony that you believe the Rachel  
20 project is needed because of a peak load situation; is that  
21 correct?

22 A. Peak load is one of the contributing factors to the need.

23 Q. Okay. Why then, with regards to equivalent availability,  
24 did you select an intermediate duty cycle combustion turbine  
25 rather than a peak duty cycle combustion turbine?

MC GINNIS & ASSOCIATES, INC.  
COLUMBUS, OHIO (614) 431-1344

1 A. Because CEI says they need a 60 percent capacity factor,  
2 which I don't understand nor do I believe -- Let me back up.

3 I do understand it, I don't believe it. But in order to  
4 strike some resemblance of a compromise, the STIG seemed to be  
5 an appropriate unit.

6 If you're going to run a CT as an intermediate duty unit,  
7 then pick a intermediate duty unit to evaluate.

8 MR. KEMPIC: One second, your Honor.

9 (Pause.)

10 MR. KEMPIC: Your Honor, I think that's all the  
11 questions from this exhibit. We can go back to the public  
12 version of the record.

13 (End of Confidential Transcript.)

14

15

16

17

18

19

20

21

22

23

24

25