NUCLEAR REGULATORY COMMISSION

IN THE MATTER OF: TOLEDO EDISON COMPANY and CLEVELAND ELECTRIC ILLUMINATING CO. 50-346A (Davis-Pesse Muclear Power 50-500A Station, Units 1, 2 and 3) 50-501A and CLEVELAND ELECTRIC ILLUMINATING CO. et al. 50-440A (Perry Nuclear Power Plants, Units 50-441A 1 & 2) Place -Silver Spring, Maryland Date -Pages 10,344_ Monday, May 24, 1976 10,549

THIS DOCUMENT CONTAINS POOR QUALITY PAGES

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NATIONWIDE COVERAGE

UNITED STATES OF AMERICA NUCLEAR REGULATORY COMMISSION

2 20 Docket Nos. 2 3 In the Matter of : 50-316A 15 : TOLEDO EDISON COMPANY and 50-510A : CLEVELAND ELECTRIC ILLUMINATING CO. 50-501A . 3 : (Davis-Besse Nuclear Power Station 6 : Units, 1, 2 and 3) : 2 7 and : : 3 CLEVELAND ELECTRIC ILLUMINATING CC. . . at al. 9 : (Perry Nuclear Power Plant : 50-440A . 10 Units 1 and 2) 50-441A : 11 - · · · · X 12 First Floor Hearing Room 7915 Eastern Avenue 13 Silver Spring, Maryland 14 Monday, May 24, 1976 15 The Hearing in the abova-entitled matter was 16 reconvened, pursuant to adjournment, at 9:30 a. m., 17 BEFORE : 18 DOUGLAS RIGLER, Chairman 19 JOHN FRYSIAK, Member 20 IVAN SMITH, Member 21 APPEARANCES : 22 (As heretofore noted.) 23 24 25

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| bw : | | CONTEN | TS | | |
|-------------------|---------------------------------------|--|--|-----------------------|--|
| 3 | Witness | Direct | Cross | Redinect | Factors |
| 3 | Harold L. Williams | 10,346 | 10,424 | 10,521 | 10,527 |
| 4 | Donald Hauser | 10,533 | | | |
| 3 | | | | | |
| G | | | | | |
| ? | | | | | |
| 8 | | | | | |
| 9 | Exhibits | | For Iden | tification | In Eviderce |
| 10 | Staff Exhibit 214, and 15 pages of | | | 10,505 | 10,509 |
| 11 | | | | | |
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| EAK: bwl | PROCEEDINGS |
| 2 | MR. BUCHMANN: I will call Mr. Williams, |
| 2 | please. |
| 4 | Whareupon, |
| 5 | HAROLD L. WILLIAMS |
| 6 | was called as a witness on behalf of the Applicants, |
| 7 | The Cleveland Electric Illuminating Company, and having been |
| 8 | first duly sworn, was examined and testified as follows: |
| 9 | DIRECT ENAMINATION |
| 10 | EY MR. BUCHMANN: |
| 11 | Q Would you state your name and address for the |
| 12 | record, please. |
| 13 | A Earold L. Williams. I am with the Cleveland Electric |
| 14 | Illuminating Company. 55 Public Square, Cleveland, Chio. |
| 15 | Q In what capacity? |
| 16 | A Executive Vice President. |
| 17 | Q. When were you first employed by the Illuminating |
| 18 | Company? |
| 19 | A 1947. |
| 20 | Q Would you briefly tell us your employment history |
| 21 | with the company? |
| 22 | A I started as a junior engineer in what is now the |
| 23 | System Planning Engineering Department. I went through a |
| 24 | series of position in engineering and served for a short |
| 25 | time in the personnel department. T was manager of the office |
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| bw2 | puilding service department and back to engineering as manager |
| 1 | of distribution. |
| 2 | Then civil machanical engineer. In 1952 I |
| 3 | became vice president of engineering and in '74, executive |
| 4 | vice president. |
| 5 | Q What was your duties as vice president of |
| G | engineering? |
| 7 | A As vice president of anginearing 1 was responsible |
| 8 | for all of the planning of the electrical system, the engineering |
| 9 | and design of the whole system and the various parts of the |
| 10 | system. |
| 11 | Also for all of the construction that was come by |
| 12 | contract crews. |
| 13 | Q What do you mean by "contract crews"? |
| 14 | A The construction of the company, much of it is |
| 15 | done by our own employees and much of it is done by hizing |
| 16 | contractors. The hires of contractors was under my |
| 17 | responsibility as vice president of engineering, but the |
| 13 | company employee construction people were under the vice- |
| 15 | president of operations. |
| 20 | Q When you talk about the engineering of the whole |
| 21 | sytem, it includes generation as well as transmission? |
| 22 | A It was the overall design of the system, and then |
| 23 | of the individual parts, the generating plants, transmission |
| 24 | lines, substations, distribution lines. Faeders. Right down |
| 25 | to individual customer installations. |
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10,348 Ewo' 0. What were your duties as executive vice-1 president? 2 As executive vice-president I'm part of a three-A 3 man top management office, you might say, consisting of 2 the president and two executive vice-presidents. 5 We have the overall policy-making 6 responsibility for the company. We also divide the individual 7 aligned responsibilities for the various areas within the 3 company among the three of us. 9 I have the specific responsibility for engineering, 10 which includes everything I have described. That is, the 11 vice-president of engineering reports to me and also the 12 responsibility for technical and administrative service 13 which would include purchasing, the computer operations, the 14 office building operation, nuclear quality assurance. 15 Miscellaneous things of that sort. 16 Would you tell me briefly what your educational 2 17 background is? 15 I was graduated from Tufts University in A. 19 Bedford, Massachusetts in 1947. I started with the 20 Illuminating Company immediately on graduation. 21 I received a bachelor of science degree in 22 electrical engineering. I received a master of science 23 in industrial engineering from Case Institute of 24 Technology in 1952. 25

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| bw4 | 1 | Q Are you a member of professional organizations |
| | 2 | or societies? |
| | 3 | A. I am a member of Cleveland Engineerisgolocyaty |
| • | 4 | and National dist; of Professional Engineers |
| | 5 | Institute c Electrical Engineering. |
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| arl 1 | Q Are you familiar with the CAPCO executive committee? |
| 2 | A Yes, sir. |
| 3 | Q What does it consist of? |
| 4 | A Basically the chief executives of the five |
| 5 | CAPCO companies or the four CAPCO companies, depending on |
| 6 | whether you consider Ohio Edison and Penn Power as one or |
| 7 | two. |
| 8 | Q Have you attended any of those meetings? |
| 9 | A I have attended virtually every meeting of |
| 10 | the CAPCO executive committee, including informal meetings |
| 11 | before it was officially organized as a committee. |
| 12 | Whenever the chief executives meet, even back in the times |
| 13 | of the negotiations of the original memorandum of under- |
| 1.4 | standing, I was taken as part of the staff, as the company's |
| 15 | chief executive. |
| 16 | I would almost say at every meeting. These may |
| 17 | have been one or two I may have missed for one reason or |
| 18 | another, but virtually every meeting. |
| 19 | Q Why were you at these meetings, if you were not |
| 20 | the chief executive? |
| 21 | A Typically each of the chief executives brings |
| 22 | to these meetings a staff of people. The staff would |
| 23 | ordinarily consist of an engineer, a lawyer, specialists in |
| 24 | any of the fields for which there was an item on the agenda. |
| 25 | There seemed to be always something on the agenda for |
| | |

A Yes. Typically the same sort of group from each. Q You referred to the negotiating mestings prior to the execution of the memorandum of understanding. How did CEI get into this situation? Now fild it come to be in CAPCO?

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A During the mid-'60s, technology was expanding very
rapidly in the power field. Large generating units
were becoming more and more available at much more sconomic
costs per kilowatt than the smaller units that we wake all
buying. We felt there would be considerable sconomics to be
gained by grouping with other people in order to justify
the construction of these larger, more economical units.

We also felt there would be economies in operation and increased reliability of the power system by coordinated activity. And so out of this was growing really eround the country a number of groups trying to take advantage of these possibilities, and one that we ware interested in obviously consisted of CEI and the companies immediately adjacent to it.

23 Q Why didn't you just build these large units 24 yourself?

The size of our system in relation to the size of

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| 1 | the units that were available was just not big enough | |
| 2 | to sustain these large units. | |
| 3 | You have the problem, of course, when the unit is | |
| 4 | off for maintenance, and you have to have reserves to cover | |
| 5 | it. If it trips because of fault or trouble, you have to | |
| G | have capacity to cover it. | |
| 7 | Whan you have first put it in, it may be soo | |
| 9 | large. That is if it is four or five years' load growth, | |
| 9 | you have to put it in four years before you need all of the | |
| 10 | kilowatts, and you have to carry the cost for all this | |
| 11 | time. Whereas if you get a large enough system with one | |
| 12 | year's load growth, it is considerably more economical and | |
| 13 | you can also afford the loss of it. | |
| 14 | Q You referred to coordinated activity. What did you | |
| 15 | mean by that? | |
| 10 | A There are a lot of different kinds of activities | |
| 17 | that can be coordinated efficiently among companies. One of | |
| 18 | them is the overall planning of the system. That is, what | |
| 19 | kind and type and size and location of generating plants | |
| 20 | is appropriate. What transmission is necessary in order to | |
| 21 | get that to the load. How can we operate most efficiently. | |
| 22 | And if each of these things is done by each company | |
| 23 | separately, you get a different result than if you work | |
| 24 | together and coordinate or plan together for what will be | |
| 25 | optimum on a total basis. | |

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1 Why did CEI, in trying to set up something of 0 2 this sort, deal with companies with which it did deal? That 3 is Toledo Edison, Ohio Edison, and Duquesne, rather than 4 somebody else?

5 The obvious thing, of course, is to deal with A 6 companies close by. If you are going to have coordinated 7 operation, you need to have interconnections so that you can 8 bring power in and out of the system. They are companies with whim we had been doing business. We had had incor-9 connections with Ohio Edison, for example, for 40 years, 10 or something like that.

So it was a natural to develop those relation-12 ships and to use both the people relationships that had 13 been developed, and more importantly, the physical 14 facilities that were there, and the potential for further 15 facilities with those people that were close by. 16

Ohio Edison surrounds CEI on two sides. 17 I was about to say you have interconnections 0 13 with companies other than Ohio Edison, do you not? 19 Yes. I started to say Ohio Edison surrounds us A 20 on two sides. Lake Erie is on the third side. The 21 fourth side is the Penn Electric Company, and we had done 22 planning and construction with them in the construction of 23 the Seneca Hydro Plant. PJM is the 24 Pennsylvania, New Jersey, and Maryland Interconnection.

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| 1 | It was operating and quite large. The logic of |
| 2 | adding ourselves to that group seamed small. |
| 3 | Q How many companies are there in the PJM group, |
| 4 | approximately? |
| 5 | A I don't know, but it is more than a dozen. I would |
| 6 | think. |
| 7 | Q Did you make any effort to initiate discussions |
| 3 | with the PJM pool? |
| 9 | A Yes, we broached the question of joining MJM as either |
| 10 | a regular member or under some sort of affiliate arrangement. |
| , 11 | Discussions showed, in short, it wasn't a practical or feasible |
| 12 | thing to do. |
| 13 | Q Did you consider including any additional |
| 14 | companies in the CAPCO group beyond the five that are |
| 15 | presently members? |
| 16 | A Yes, there was a lot of consideration of various |
| 17 | groups. As I mentioned, about that time a lot of different |
| 18 | groups were forming around the country. There was some |
| 19 | considerable considuration of Cincinnati and Dayton being |
| 20 | associated with the group. |
| 21 | The companies along with Cincinnati and Dayton |
| 22 | and American Electric Power and quite a number of others |
| 23 | formed the ECAR group at about the same time. |
| 24 | ECAR has a relatively narrow purpose, being |
| 25 | primarily reliability, but it is a multi-state group. |
| | |

1 Q What about the other utilities in Ohio? 2 Did you pursue anything with Cincinnati and Dayton? 3 We pursued some discussions, but fairly early A 4 in the game Cincinnati and Dayton pulled out of those 5 discussions and joined with Columbus in what is called G the CCD or Cincinnati, Columbus, Dayton pool, and those 7 three companies did some joint construction separate from us. What about Ohio Power? 3 0 A Ohio Power is part of the American Electric Power 9 system. Basically the American Electric Power system, which 10 11 is under one ownership, is an integrated system as roughly the same size as CAPCO. It appeared to be doing fine, and 12 able to take advantage of the economies of scale and 13 coordinated operation and so on, without anybody else added 14 to their group. 15 0 What about the Michigan companies? 16 The Michigan companies were pooling together A 17 also, specifically Detroit Edison and Consumars Fower. 18 Their approach was a little different. I guess every 19 group's approach was different. 20 They seemed to be pretty well coordinated, 21 the two of them, and again the two of them combined ware 22 of a size that could utilize the largest generating equipment. 23 that was then being produced. 24 Q I was going to ask you that. If you get an 25

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| 1 | organization which is able to use large generation to get |
| 2 | the economies of scale, why wouldn't it be of bopefit to |
| 3 | it to continually get bigger? |
| 4 | A There is a point of diminishing returns in two |
| 5 | regards. As the units are getting large, the benefits of |
| 6 | still making them larger taper out. |
| 7 | Secondly, and maybe more important, technically |
| 8 | there is a top size limit that generators are made. Currently |
| 9 | you can't buy larger than 1300 megawatts. At the time the |
| 10 | limit was about 1000. |
| 11 | And so although there were extrapolations |
| 12 | into the future, of course, everybody was forecasting |
| 13 | future growth. If you had a pool that could use a 1000 |
| 14 | megawatt unit at the time CAPCO was organized in 1957, |
| 15 | you had about the largest feasible size. |
| 16 | To make it larger produced no benefits and, |
| 17 | of course, would produce complications in terms of the more |
| 18 | people in the act, the more difficult it is to coordinate. |
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| 1 | Q. What, by the way, is the total load of the |
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| 2. | CAPCO companies now, approximately? |
| 3 | A Around 10,000 or a little over. |
| 4 | Q 10,000 megawatts? |
| 5 | A Megawatts, yes, excuse me. |
| 6 | 9. What do you mean the more people that are in the |
| 7 | act, the more difficult it gets? |
| 8 | A You know, in any human endeavor, if you have several |
| ę | people with different individual positions, and you try to get |
| 10 | them to work together it becomes more complicated, the more |
| 11 | parties there are. |
| 12 | Each company has different objectives, different |
| 13 | history, different facilities. |
| 14 | As you try to bring these together the more |
| 15 | different pieces you have, the more different points of view |
| 16 | you have, and the more difficult it is to reconcile. |
| 17 | Q Can you then briefly describe to me what the |
| 18 | agreement was, what the CAPCO agreement was, what deal did |
| 19 | you make? |
| 20 | A Well, the so-called memorandum of understanding |
| 21 | which, as you know, I think is a rather long complicated |
| 22 | memorandum, 30 or 40 pages or some such thing as this, but |
| 23 | the essence of it was we agreed to several things. |
| 24 | First, we agreed to one-system planning. That is, |
| 25 | we would plan the CAPCO system as if it were one group. |

| Swc 1 | We would determine the optimum size of generators, |
|-------|--|
| 2 | the type, that is, coal-fired or nuclear or peaking capacity |
| 3 | or whatever, on a one-system basis. |
| | We would datermine the location of it. |
| 5 | We would determine the transmission, as if we were one system. |
| 6 | Then we would determine how to allocate the ownership |
| 7 | responsibility and the operating responsibility and so |
| 8 | forth, among the parties in as equitable a fashion as |
| 9 | possible. |
| 10 | We described in some detail what those terms |
| 11 | meant. We outlined how we might operate. We outlined |
| 12 | the basés of operating for all these responsibilities. |
| 13 | We provided mechanism for withdrawal from the pool |
| 14 | for any company that wanted to do that at any future |
| 15 | time. |
| 16 | We provided for compulsory binding arbitration |
| 17 | to resolve differences. |
| 18 | Various other legal and other things. |
| 19 | Q How are decisions made in CAPCO? |
| 20 | A. The decisions are made basically by |
| 21 | unanimous agreement of chief executives based on . |
| 22 | studies and analyses worked up by a whole series of |
| 23 | committees. |
| 24 | Q. Why did you require unanimous agreement? |
| 25 | A We require unanimous agreement. |
| | because, basically, each company insisted from the |
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10,359 bv 3 1 beginning, and still does, that its autonomy has to be 2 separate and independent. Mone of the companies is willing 2 to delegate to any of the others the responsibility for 2 making its own corporate decision as to where it is going to spend hundreds of millions of dollars in generating 5 capacity, transmission lines, et cetera. 6 7 We have said you can develop the plans, at catera, 8 but before we implement naything we much each of us agree this is to be done. 0 There is always the option of withdrawal, if you 10 don't want to or can't agree. 11 We can't agree now that by a four to one vote, we 12 will decide where a generating plant will be built in 1987, 13 and then CEI, as a dissenter, being responsible for having 注度 to pay for the thing anyway. 15 We weren't willing to go that far, and none of 16 the other parties was willing to either. 17 0. Did you in the -- let me withdraw that. 181 You talked about allocating ownership 10 responsibility. I presume money follow ownership 20 responsibility, in a sense? 21 A Yes. 22 How do you do that? a 23 Basically, the mechanism works like this, for each A. 24 generating plant or each generating unit, we set up a 25

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| 1 | joint bank account. One company is designated by |
| 2 | mutual agreement as the company to be responsible for the |
| 3 | design, construction and operation of the plant. Each |
| 4 | month, or sometimes two or three times a month, as the bills |
| 5 | are to be paid, they call for each of the companies to |
| 6 | pay into the joint bank account a certain total money, |
| 7 | and then it is allocated in percentage according to the |
| 3 | percentage ownership in the plant. |
| 9 | Each pays this money into the joint bank account, |
| 10 | and the company who has been designated in advance as the |
| 11 | one responsible for design, construction and |
| 12 | operation, writes out the check from the joint bank account |
| 13 | to pay the bills. |
| 14 | Q How do you decide how much each company will |
| 15 | put in? |
| 16 | A. This is determined by the percentage conership |
| 17 | that has been agreed upon. |
| 18 | A How do you decide what the percentage ownership |
| 19 | is? |
| 20 | A We allocate the capacity on the basis of a |
| 21 | rather detailed procedure which we call for short P over N. |
| 22 | I don't know to what extent that has been |
| 23 | explained, but I will go on and you can ask if you like. |
| 24 | The P over N calculation is/rather sophisticated, |
| 25 | technically advanced, mathematical concept which determines |
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by trial and error an allocation of capacity, such that 1 each company's contributions to the pool divided by their 2 take from the pool -- in other words, the ratio of 3 positive to negative use of pool facilities -- will be 4 equal. 5 This ratio should be aqual for each of the 6 conpanies. The generating capacity is juggled on paper. 7 That is, the allocation is juggled on paper, until we get a 3 situation where that ratio is the same for all companies. 9 Then that becomes the final allocation of 10 capacity. Each company agrees to own that number of megawatts 11 or that percentage of the unit, so as to produce that 12 result. 13 What was the objective in trying to get that Q. 14 ratio equal? 15 16 17 18 19 20 21 22 23 24 25

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| r]. | 1 | A The objective was to create a fair and equitable |
| | 2 | distribution among the parties of the financial responsibility |
| | 3 | and operating responsibility for maintaining the capacity |
| | 4 | within the pcol. |
| | 5 | Q Did you consider any other methods of accomplish- |
| | 6 | ing that result? |
| | 7 | A Yes. |
| | 8 | Q What kinds? |
| | | |
| | 9 | A We considered and rather quickly rejected |
| | 10 | a couple of systems that had been used years ago. Say at |
| | 11 | the time of World War II, two simple systems that were being |
| | 12 | used by some groups were so-called equal percent reserve, |
| | 13 | where you look simply at the load and capacity on the |
| | 14 | highest load day of the year, and ignore all of the rest of |
| | 15 | the days of the year. Ignore the maintenance schedules, |
| | 16 | sizes of units and a lot of other things, and make it |
| | 17 | equal percent reserve on that day. |
| | 18 | We rejected that as ignoring many too many factors. |
| | 19 | Another approach was the outage of the largest |
| | 20 | unit or outage of the largest two units, which was a |
| | 21 | simplified approach many companies had used. That takes |
| | 22 | into account one more factor, but still omits a lot. |
| | 23 | We looked at another, more complex, more complete |
| | 24 | approach which incorporated all of these various factors |
| | 25 | that need to be considered, and instead of |
| | | |

ar2 10,363 ratioing megawatt margin days, which is what the P/N calcula-1 2 tion does, we tried to just look at the number of days that a given company would call on the resources of the 3 pool. 4 We found that this was much better. It took 5 into account these various factors. As a matter of fact, 6 it was used to come up with the numbers in the original 7 memorandum of understanding. It didn't determine them, 8 but it was used as a factor along with judgment to come 9 up with the original numbers. 10 The problem with that was if you used -- looked 11 at only the number of days use of the resources of the 12 other members of the pool, it ignored whether that use 13 was one megawatt or 1000 megawatts. 14 We felt it needed to be the megawatts times the 15 days as the measure of the use. 16 Ig ignored also contributions to the pool, and 17 we felt that was important. We put that all together 18 and came up with this system we call P/N. 19 At the time we are talking about -- what time Q 20 did you have these negotiations? When was that? 21 A About 1967, I believe. 22 At that time was there any dissimilarity in the 0 23 configurations of the systems of the several companies that 24 were involved? 25

| t | A Yes, there were a lot of factors there were |
|----|---|
| 2 | different. Some, for example Duquesne Light, although |
| 3 | the second smallest system, had the largest unit. |
| 4 | Toledo Edison had a number of units which were |
| 5 | unusually reliable. Their forced outage rates were lower |
| G | than virtually anybody else's. It had been their practice |
| 7 | over a long basis to build a particularly high |
| 8 | reliability into those units. |
| 9 | CEI and Ohio Edison had already entered into an |
| 10 | agreement for sharing of capacity between our Avon 9 Unit and |
| 11 | their Sammis 6 Unit. Each of these were unique to the |
| 12 | companies. |
| 13 | There were other factors in terms of unit |
| 14 | size, reliability and so forth. We all felt these |
| 15 | factors needed to be taken into account in whatever |
| 16 | allocation system was ultimately adopted for the pool. |
| 17 | Q You made reference to Duquense being the decond |
| 18 | smallest company. Was there much variation in size arong |
| 19 | the companies? |
| 20 | A Roughly then and now Ohio Edison is 40 percent |
| 21 | of the pool, CEI 30 percent, Duquesne about 17 or 18, and |
| 22 | Toledo 12 or 13; something like that. |
| 23 | Q When you say percent of the pool, what do you |
| 24 | mean? |
| 25 | A Percentage of load, I meant. |
| | |

| 1 | Q Load. |
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| 2 | At the time you were negatiating this agreement, we a |
| 3 | any consideration made of having other members other than |
| 4 | investor-owned utilities such as municipal operations? |
| 5 | A We really didn't give particular attention |
| G | to that, no. |
| 7 | Q Why didn't you give any attention to that |
| 8 | subject? |
| 9 | A The purpose of this pool there were several |
| 10 | purposes, but the primary purpose was the pooling of |
| 11 | generation and the coordination of interconnected operations. |
| 12 | The only municipality with any significant |
| 13 | amount of generation in the service territory of any of us |
| 14 | was the Cleveland Municipal System. At that time we weren't |
| 15 | even interconnected with them. So there seemed no |
| 16 | logic to talk about coordination of an interconnection |
| 17 | that didn't exist. |
| 18 | They already had twice as much generation as load. |
| 19 | So there seemed to be no logical reason why we would |
| 20 | consider that particular one. |
| 21 | Anybody else with whom we were interconnected |
| 22 | either had no generation or very small generation, which |
| 23 | would have been an insignificant part of the total group. |
| 24 | So there seemed no logic to incorporating any |
| 25 | other smaller systems. |

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| 1 | I already indicated why we didn't add in jonn- |
| 2 | sylvania Electric or Ohio Power or some of these other |
| 3 | larger groups. |
| 4 | Q Did you nonetheless run studies as to the impact |
| 5 | of your method of allocating ownership upon small systems? |
| 6 | A Yes. |
| 7 | Q Why did you do that? |
| 8 | A We could foresee the possibility at some time in |
| Э | the future that the Cleveland Municipal System might want |
| 10 | an interconnection. When and if they wanted one, and were |
| 11 | tied in with us, they might want to be affiliated with the |
| 12 | group. We felt that whatever system we devised from the |
| 13 | beginning ought to be designed to give a fair and equitable |
| 14 | basis under whatever circumstances, and so we wanted to test |
| 15 | our system. |
| 16 | The one that we ultimately call P/N we wanted |
| 17 | to test it by the extremes, and add a number of hypothetical |
| 18 | possibilities along those lines. |
| 19 | Q Did you run other kinds of studies on other |
| 20 | extremes? |
| 21 | A We considered hypothetical studies that tied |
| 22 | CAPCO to another CAPCO. That is a hypothetical system as |
| 23 | big as CAPCO and two CAPCOs, and one where we tied it to |
| 24 | 10 CAPCOs, which would have been comparable to the whole |
| .25 | United States. |

10,357 arG 1 It was almost ridiculous, but we did look at that 2 to test the reasonableness of the methods we use developing. 3 What did those tests show as to the 14 reasonableness of the methods you ware developing? 5 A We felt they showed the P/N system was in fact 6 the most reasonable system we could devise as a method of 7 fairly allocating responsibility for generation among the 8 parties. 9 Didn't the study with respect to the Cleveland 0 10 test case show that it -- that method would impose very 11 large reserves on the City of Cleveland? Yes, it did. But basically one of the factors 12 A was that the City of Cleveland had one unit -- as a matter 13 of fact, their largest and most efficient unit was 85 megawattis 12 in size when their load was many days less than 85. 15 Their peak load was something like 100. So, 16 naturally, the outage of an 85 megawatt unit, if you are 17 running with 100 megawatts of load, would put a very heavy 18 drain on the rest of the pool. 19 If you are going to have equal ratio of contribu-20 tions to the pool to benefits, then when you put a heavy 21 drain on the pool, you have to have a heavy distribution 22 on the other days. That means more reserve. 23 Why would it put a heavy drain on the pool? 0 24 A The typical way to operate an interconnected 25

ar" 10,368 system would be to operate with a relatively small 1 2 operating reserve. 3 That is reserve on the line ready to pick up on a moment's notice. Relatively small -- well, under the 1 ECAR rules, it is now 7 percent or something like that. 5 If Cleveland Muni, with a load of 100, operated with a 6 7 percent reserve, they would have 107 megawatts of 7 capacity on the line. If 85 is on one unit 3 and that unit trips because of the trouble on the line, 9 they are able to carry 25 megawatts on their own system 10 and the balance of the load, 75 megawatts comes in over the 11 interconnection. 12 That is what I meant by a heavy drain on the 13 interconnection. It would be importing three-quarter of 14 their total load on the interconnection or from the inter-15 connection. 16 Now obviously, the companies went ahead and 0 17 executed the memorandum of agreement. 18 A Right. 19 And have been operating under that ever since. 0 20 A Yes. 21 What, if any, do you feel from the point of view Q 22 of CEI are the advantages to CAPCO viewing it from now 23 rather than back in those days? 24 A Looking back at the advantages of CAPCO, 25

| ar8 | 10,369 |
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| 1 | certainly we have achieved great aconomies of scale. There |
| 2. | is no question that our generating costs are a great deal |
| <u>5</u> | less than they would have been without CAPCO. |
| 4 | We have saved money in transmission. We have |
| 3 | less transmission facilities than we otherwise would have |
| 6 | needed. |
| 7 | We have actually improved reliability. In spite |
| 2 | of less costly generation and less actual physical |
| Ş | transmission, the reliability of the system is greater |
| 10 | as a result of CAPCO. |
| 71 | You have the best of both worlds, better service |
| 12 | and lower costs. |
| 13 | Q Are there any balancing obligations you have |
| 14 | to undertake to be a member of CAPCO, or as a result of |
| 15 | your membership in CAPCO? |
| 16 | A Yes, there are a lot of them. |
| 17 | Q Give me some examples. |
| 18 | A First, you have to agree to joint coordinated |
| 19 | planning. |
| 20 | You have to gree you are going to plan this as if |
| 21 | it were one system. This sometimes has disadvantages. What |
| 22 | is best for CEI might not be the best for the total, for |
| 23 | example. |
| 28 | Q Can you give me an example of how that could be? |
| 25 | A One simple example might be when we concluded to |

| ar9 | 10,370 |
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| 1 | build the Mansfield coal-fired plant on the river, that was |
| 2 | the best thing for the whole group. If we were doing it |
| 3 | alone, we would never have built that on the river. |
| 4 | We had a plant site on the river for years, and could never |
| 5 | justify building it. |
| 6 | We agreed to build a plant there, which is not |
| 7 | what we would have done as an individual. |
| з | Q Can you give me some of the other obligations? |
| 9 | A One-system planning. The agreement to allocate |
| 10 | the ownership and operating responsibilities according to the |
| 11 | P/N formula that I have described. |
| 12 | The responsibility for accepting joint ownership |
| 13 | in the plants and for paying the bills through the joint |
| 14 | bank accounts that I have described. |
| 15 | The responsibility for building transmission |
| 16 | in their own area and for paying for all of the transmis- |
| 17 | sion, all of the 345 kV transmission that is designated as |
| 18 | CAPCO transmission, the cost of this is shared by all of |
| 19 | the group. |
| 20 | Agreeing to negotiate on these things on a one- |
| 21 | system basis and to agree promptly on the conclusions. |
| 22 | This is a difficult technical process, and when |
| 23 | the companies when the chief executive committee |
| 24 | meetings are reaching an agreement, they want agreement |
| 25 | that can be finalized very quickly, and they agree to come |
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| 1 | to the meetings ready to commit their organizations. |
| 2 | Sometimes subject to review by the board of directors, but |
| 3 | that can almost be guaranteed to have an answer within |
| 4 | 30 days, and the answer is final. |
| 5 | Many of the agreements are reached at the |
| 6 | executive committee and are final right then. The chief |
| 7 | executives feel they have the responsibility and authority |
| 8 | to make those decisions, so they do. |
| 9 | There is responsibility to pay the bills on time. |
| 10 | There is responsibility to participate in all of |
| 11 | this committee structure. |
| 12 | Q What do you mean by that? |
| 13 | A Well, the decisions that are made are based on a |
| 14 | whole series of studies, and we have some 30-odd |
| 15 | committees and task forces and subgroups and what-have-you. |
| 16 | It is the planning committee, operating committee, finance |
| 17 | and legal committee, financing, accounting, and legal are |
| 18 | separate committees. |
| 19 | There is the drafting committee that drafts the |
| 20 | document. The chief executives reach an agreement and |
| 21 | they say to the lawyers, "Write that up for us." We have |
| 22 | lawyers to do that. |
| 23 | Each of the groups has subcommittees to study |
| 24 | various things. Matters like what is cost. What is |
| 25 | included in cost, and what isn't included in cost. |

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| | 1 | How do you allocate the cost of existing |
| | 2 | facilities? We are going to build a new unit at Eastlake; |
| | 3 | what do you do about the present investment, in not only land, |
| | 4 | but rail, and what-have-you. |
| | 5 | All of these things are explored by a whole |
| | 6 | series of committees whose reports funnel ultimately to the |
| | 7 | executive committee. |
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| 8 | 1 | 2 Are there also agreements in the CAPCO |
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| | 2 | arrangement for the exchange of energy? |
| bwl | 3 | A Yes. There is an operating agreement which provides |
| | 42 | for this and provides the mechanism by which we would provide |
| | 5 | mutual backup between each other, both operating capacity |
| | 6 | and operating energy on a planned and unplanned, that is, |
| | 7 | emergency basis. |
| | 8 | And the operating agreement spells out the ways |
| | 9 | in which this is done, and the ways it is paid for, et catera. |
| | 10 | Q Emergency CEI supports itself or members in |
| | 11 | CAPCO; is that what you are saying? |
| | 12 | A Right. If somebody needs power now, and it is |
| | 13 | not available, for whatever reason, CEI will send them power |
| | ۹ß | under the emergency section or if we are short, they will |
| | 15 | send us power under the emergency section. |
| | 1G | Q It is a two-way street, I gather? |
| | 17 | A. Right. |
| | 18 | Q Are you aware that the City of Cleveland has |
| | 19 | requested membership in CAPCO? |
| | 20 | A. Yes, Sir. |
| | 21 | And do you see a role that the City could play |
| | 22 | in CAPCO as a member of the organization? |
| | 23 | A Frankly, I was somewhat puzzled when I read and |
| | 24 | reread and restudied the proposal of the City of Cleveland |
| | 25 | or joining CAPCO, because, in the same proposal they spall out |

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| bw2 | a number of other things they wanted, many of which were |
| 2 | inconsistent with membership in CAPCO. |
| 3 | Q Tell me what you mean by that? |
| 4 | A. There was a letter and an attachment back in late |
| 5 | summer of '73 or something like that. At any rate, a latter |
| G | in which they gave us a proposal for what they would like. |
| 7 | They mentioned they wanted to join CAPCO. They listed |
| 8 | specific megawatts out of specific units, they would like |
| 9 | to have. |
| 10 | All of the units they listed were nuclear. |
| 13 | Q What is inconsistent about that? |
| 12 | A In CAPCO you agree to plan on a one-system basis, |
| 13 | what is best for the total and to allocate the capacity |
| 14 | among the parties on an equal P over N basis, and then each com- |
| 15 | pany takes a share of every unit, as it turns out. |
| 16 | The company doesn't decide which units is |
| 17 | whats to have part ownership in or how many magawattes |
| 18 | they want to take. |
| 19 | There were other areas in which they asked for |
| 20 | things inconsistent with mambership also. |
| 21 | Q You said that the units they designated were all |
| 22 | nuclear? |
| 23 | A Yes. |
| 24 | Q What difference does it make if one of the members |
| 25 | of a system takes its owrership all in nuclear, rather than a |
| I | |

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3 1 mix?

A If you are going to have a fair and equivable participation in all of the units, the way you get the benefit of economy of scale is to have everbody have a share of every unit. If people pick and choose, then you can't justify the large units in a particular area.

7 For example, take the coal-fired Mansfield 8 Plant, which I said wasn't exactly what we would have done 9 on individual basis, yet apparently it wasn't one of the 10 things Cleveland Muny wanted either. But if several of us 11 say to Chio Edison and Duquesne Light, who are in the position 12 most to benefit from a coal-fired unit, right there close 13 by, well, we are not interested in taking a piece of this 14 one, then they can't justify the economies of scale, and 15 they lose a substantial benefit.

16 They loose a substantial benefit, if we refuse to 17 go along.

So what you have to do is decide whether you like
the whole package. You can't pick and choose and say, well, the
whole package looks great, but if I could have this piece
and this piece, and this piece, it would be oven better.

So you can't operate a coordinated operation in the basis of each company picking and choosing what is in its best interests.

CHAIRMAN RIGLER: Mr. Williams, suppose during the

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next ten years, "here is a substantial influx of industry into Northern Ohio and none in the Duquesne area, so that all of the Northern companies have a ten, twalve, flifteen percent load growth and Duquesne only has a one percent load growth, and it is necessary to build a lot of new units to serve this new industry, but Duquesne is doing fine with the units it has?

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THE WITNESS: What would happen, would be taking the one system concept, putting in the load forer st and so forth, the engineering study would obsidually show that the load was in the northern area.

Therefore, the generation ought to be put in the northern area. Then we would go through the calculation to -the P over N calculation to determine the equitable way to divide the total cost, total responsibility for the generating capacity.

If Duquesne's growth over the period were very, very small, then the equal P over N calculation would show they needed very, very little of the new units.

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THE WITHESS: Then the calculation would show they had too much capacity and it would provide for a punchase sale, purchase by the other companies, and sale by Dupuesno Light to achieve the equal ratio.

CHAIRMAN RIGLER: You told us Duqueene would be obligated to take an ownership share in each of the new units built in Northern Ohio, yet using P/N, they would be shedding capacity?

12 THE WITNESS: I should have said assuming everybody 13 has a load growth, they would each need a share of the 14 new units.

15 If they actually had a reduction, so that the 16 total capacity required would be less than ownership, then 17 the system does provide for them to sell, not sell ownership 18 interest in capacity, but to sell megawatts for which they 19 would be paid by the other companies in order to -- so 20 that in effect they can get rid of that encess capacity.

If they were on their own, they couldn't. This way they can. They have a way to get rid of that excess capacity if their load decreases, namely, to sell it to the people who need it.

CHAIRMAN RIGLER: I'm not clear as to what happens

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ar2 1 when you add the new units. Are they required to purchase 2 a specific share of the new units, even though they are engaged in selling capacity in the existing units? 3 THE WITNESS: They would not. 4 BY MR. BUCHMANN: 5 They would be obligated to take that share in 0 G the new unit which the P/N formula said they should take. 7 If the formula says you don't take a share, you don't 3 have to buy anything? 9 Right. The P/N determines the total capacity 10 needed, actually. the P/N determines the total capacity 51 needed. You subtract from that what you already own, and :2 that determines what you take out of the next unit. 13 If when you make that subtraction, the 14 number is negative, which it would be in the case you ' 15 hypothesized, then obviously you don't have to take it. 15 If what you need is negative, you sell instead. 17 MR. SMITH: This is an important advantage in 18 pooling. You spread the risk of miscalculating your load 19 among others, too. If you miscalculate your load and you 20 have a market for your excess load, a place to get rid of it, 21 haven't you reduced your risk in planning new capacity? 22 THE WITNESS: Yes. 23 MR. SMITH: Does that help you in your financing? 24 THE WITNESS: It helps you in your planning. I 25

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| 1 | don't know whether it would help you in your financing. |
| 2 | You mean does it make it easier to obtain financing? |
| 3 | MR. SMITH: Yes. |
| 4 | THE WITNESS: I wouldn't think it would have a |
| 5 | material effect. The key thing, of course, that determines |
| 6 | your ability to finance is your credit rating, that is the |
| 7 | bond rating by the rating agencies. |
| 8 | I don't believe that they take a look that far |
| 9 | into the detail. I may be wrong. But I think it probably |
| 10 | would not actually make a difference in your bond racing, |
| 11 | which is the thing that determines your ability to finance. |
| 12 | BY MR. BUCHMANN: |
| 13 | Q Going back to the requist of the City of Cleveland |
| 14 | with respect to nuclear units, are there differences in |
| 15 | the cost consequences of building nuclear units as distin- |
| 16 | guished from fossil fuel units? |
| 17 | A Yes. These change over the years, but generally |
| 13 | speaking, a nuclear unit costs more to build than a fossil |
| 19 | unit, but costs less to operate. So that in weighing which |
| 20 | one to build., you have to take into account the cost of |
| 21 | money. |
| 22 | That is what it costs you to get the money to |
| 23 | build the plant. If your fixed charge rate is higher or |
| 24 | lower, that will affect the overall economic study. By fixed |
| 25 | charges, I mean the cost of money, that is interest, |
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ar4 10,380 1 dividend payments, or whatever combination of 2 those is appropriate, plus real estate taxes, depreciation. 3 and so forth. 4 You put these factors together to detormine a fixed charge rate which is the effective annual cost of investi-5 6 ing a dollar in a power plant. If that fixed charge rate is different, then 7 the relative values of higher capital cost plants, like 13 nuclear, vs. lower capital cost plants, like coal, will be 9 different. 10 Depending on that circumstance, variation in 0 11 fixed charge that may affect whether a person wants to go 12 into nuclear rather than fossil? 13 Right. In the case of the City, the fixed A 14 charge rate is lower for a municipality, both because 15 they can issue taxfree bonds, which therefore can be sold on 16 the market at a lower rate, and the fact that they don't have 17 to include real estate taxes in the fixed charge rate. 13 They do, in fact, have a lower fixed charge 19 rate. The application of this would make it more advantageous 20 for a governmental body or municipality to invest in a 21 nuclear plant than it would be, relatively speaking, for an 22 investor-owned plant or --23 24 25

While we are here, because of CAPCO's plans to build 0 1.1 S10 nuclear generation, CAPCO does have fossil fuel generation 2 b. 1 plants, does it not? 3 Yes. A 1 They are still planning to build fossil fuel plants? 0 5 Yes, there are some under construction. CAPCO А. 6 also has build a number and would in future probably 7 build a number of combustion turbines which burn oil. 3 They are very low capital costs and very aich 9 operating costs. They are used normally for peaking 10 purposes. But they are even more extreme in terms of the 11 big advantages. 12 The big advantage is the low capital cost. 13 That advantage would be less for a municipality, bacausa a it has a lower fixed charge rate to apply to that capital 15 cost. 16 Now, would you assume with me for a moment that the 0. 17 City of Cleveland is admitted to CAPCO, the way CAPCO stands 18 today, all else being equal. 19 What advantages or disadvantages to the operation 20 of CAPCO would you foresee? 21 MR. LESSY: I object, unless it is clear that that 22 is from the point of view of CEI. 23 BY MR. BUCHMANN: 24 From the point of view of CEI. a 25 There would be several things that would happen

bw2 if Cleveland Muny became a member of CAPCO and operated with 1 They would be sending representatives to all of these US. 2 various committees, et cetera. 3 As I have indicated before, I think in any human 4 endeavor, as you increase the number of parties with differing 5 points of view, you make it more difficult to resolve 6 questions. Not singling out Cleveland Muny, but anybody added 7 to the meetings would make the meetings more difficult. 8 In Cleveland's case, since their objectives and 9 cost structures are different, it would be particularly 10 hard, I would think, to incorporate them. 11 But, assuming we got over that hurdle and we did 12 properly start out with another one system sutdy, we would 12 take their inputs into account, along with everybody 14 else's. 15 Since their load is about 1 percent of the 16 pool, they would have a one percent weighting in the various 17 calculations and the result would be a slight change, but 18 very slight change in the overall fixed charge rate. 19 Each of the four companies has a different 20 fixed charge rate. We don't all have the same tax structure 21 orbond interest costs. 22 We have a slightly different fixed charge rate. 23 When you make a one-system sutdy, you calculate an average. 24 You get a composite for 1 one-system study. 25

10,383 bw3 Muny's would be put in there and it would have 1 little effect. We make up a one-system study and come up with 2 a result which very likely would not be in their 3 interest. 4 CHAINMAN RIGLER: You started out by -5 saying they had different objectives. S What different objectives does Cleveland have 7 from other CAPCO companies? 3 THE WITNESS: I was talking about different 9 economic objectives. Their fixed charge rate would be 10 considerably different. That is besidally what I was talking 11 about. 12 CHAIRMAN RIGLER: But they would have under the 13 hypothetical, the same common objectives of increased 14 reliability and achieving the economies of scale that you 15 mentioned with respect to the CAPCO memorandum of understanding? 16 THE WITNESS: I would think those objectives 17 they would sahre with the other CAPCO companies. 18 19 20 21 22 23 24 25

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BY MR. BUCHMANN:

0 Mr. Williams, you ware saying if you make this study, assuming that Muni is in there, you would come up with the result which my note says would not be in Muni's best interest.

A Which might not be, would be more accurate.

Maybe my note is inaccurate.

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In any event, what do you mean?

A The study would determine what was the best thing for the overall CAPCO group. It might be a coalfired plant. It might be oil-fired peaking capacity. It might be nuclear. It might be located on Lake Erie or it might be down on the Ohio River. It might call for added transmission.

In weighing location you pay generation cost and transmission distance, you take those into account, et cetera. From Muni's point of view, units that are located close by with short transmission and have a high capital cost and low operating core would be the best thing in their interests.

21 That might or might not be the best thing from 22 the total CAPCO pool position.

The point I was trying to make with the illustration, if I can go one step further, is that if it turned out that the one-system study produced an answer that was not optimum.

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| 1 | from Cleveland Muni's point of view, Cleveland Muni |
| 2 | would have a difficult problem, I would think. |
| 3 | Certainly when we produce one that any of the |
| 4 | other four of us is not optimum from our point of view, |
| 5 | we speak up and we say this is in my best interest, at |
| G | cetera, and we go around considerably. |
| 7 | If the difference is small, it can usually be |
| 8 | resolved by ultimately demonstrating that the overall |
| 9 | benefit to each of us is substantial, even though we might |
| 10 | find something that would still be better for us. |
| 11 | Whether you would achieve that result with Cleveland |
| 12 | Muni, I don't know, but the wide difference in the economic |
| :3 | fact of life there would make it, I would think, more |
| 14 | difficult. |
| 15 | Also the fact that they are so much smaller, |
| 16 | so much smaller in size would make a difference. They |
| 17 | would be inputting into this one-system system a lot of |
| 10 | data about their system. Unit sizes, forced outage mates, |
| 19 | reliability, and what-have-you. |
| 20 | I would suspect if we were doing that today, we |
| 21 | would have a considerable problem just agreeing on the input |
| 22 | data. |
| 23 | Our ordinary practice is to take as the forced |
| 24 | outage rate and availability the actual data for the last |
| 25 | five years. If we took the record of that 85 megawatt |
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| | 19,386 unit over the last five years and used that as a basis for |
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| 2 | projection, we would get a very low contribution. I would |
| 3 | think it would be likely that Muni would say that is not a |
| 4 | proper way to do it, you should do something different. |
| 5 | Then we would be in a hassle on the input before we |
| G | even made the study. |
| 7 | Q Let us assume in this discussion that you do |
| 8 | come up with a CAPCO recommendation which is not in Muni's |
| 9 | best interest, and that could be low capital costs, high |
| 10 | operating cost unit, or something of that sort; right? |
| :5 | A Yes. |
| 12 | Q You couldn't you would still have the unanimity |
| 13 | rule, wouldn't you? You would need Muni's consent to go |
| i4 | forward with that, would you not? |
| 15 | A Yes. |
| 16 | Q It would be perfectly possible for Muni to decline |
| .7 | to go forward? |
| 10 | à Yes. |
| 19 | Q What would the consequence be on the pool? |
| 20 | A The pool would be facing the prospect of |
| 21 | inadequate capacity. As time went on, if you couldn't |
| 22 | agree on doing something, the prospect of inadequate capacity |
| 23 | would get worse and worse as the loads grow, and as the |
| 24 | projects grow. The options that would be available to the |
| 25 | other parties or the options that would be available to CEI |

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| 1 | or capacity or anything else that had been made by the |
| 2 | Illuminating Company to the City of Cleveland? |
| 3 | A Yes. |
| 4 | Q Can you tall us what they are and when they |
| 5 | were made, if you can recall? |
| 6 | A I'm starting with the last question, trying to |
| 7 | recall dates. It was some time back, couple of years ago, |
| 3 | at least, that we offered firm power first of all, I might |
| 9 | explain. |
| 10 | We have an interconnection now with an emergency |
| 51 | rate that was established by the Federal Power Commission. |
| 12 | That is what Cleveland Muni said they wanted in the |
| 13 | Federal Power Commission hearing cases. |
| 14 | We have since offered them firm power. We have |
| 15 | offered them participation in the nuclear units, either as |
| 16 | owners, which would be the normal CAPCO procedure, or wa |
| 17 | have also offered to sell them power out of it on a pay-as-you- |
| 18 | go monthly basis, which would not available to them under |
| 19 | the CAPCO ground rules. |
| 20 | We have offered them the opportunity to pick and |
| 21 | choose among the units, to designate the number of megawatts |
| 22 | they wanted out of each unit. |
| 23 | Q Would that be available to another CAPCO member? |
| 24 | A No. |
| 25 | We have offered them to wheel power from any source |

10,387 ar4 2 would be about the same options available to Muni, obviously. 2 You can either agree or you can stymie action, or you can 3 withdraw from the pool. 4 CEI would, of course, have the same three 5 options that Muni would have. 6 Do you see, in your view, -- or in your view, 0 7 would the Cleveland Municipal Electric operation get any 3 advantages from becoming a member of CAPCO which haven't 9 been offered to them already? 10 A Sir, in my view --11 MR. HJELMFELT: May I have that question again, 12 please? 13 (Whereupon, the reporter read the pending 14 question, as requested.) MR. HIELMFELT: I object to putting hypothetical 15 questions to a nonexpert witness. 16 MR. MELVIN BERGER: I would object to the 17 "which haven't been offered to before already." We have 10 no definition as to what that means. 19 CHAIRMAN RIGLER: I think a better definition 20 of the objectives which you say have been offered would be 21 helpful. 22 MR. BUCHMANN: Okay. I will withdraw it. 23 BY MR. BUCHMANN: 24 Are you aware of what offers of electric service Q 25

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| | 1 | from which we are entitled to buy power. That would not |
| | 2 | ordinarily be available to other CAPCO members, either. |
| | 3 | Q What do you mean, it wouldn't be available |
| | 4 | to other CAPCO members? |
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10,390 313 bw1 In the CAPCO arrangment, each company is free to 3. 2 buy power from anyone with whom it is interrected. Each company is also free to buy power from the 3 4 CAPCO pool. But we do not agree to wheel power through our system for another system under the CAPCO 5 arrangement. There is not a wheeling clause in any of the 6 7 CAPCO arrangements. Is everyone clear on what whealing is? 3 Why don't you tell us what you mean by it? 9 a Wheeling is an arrangement by which one party 10 A. agrees to transmit party power between two others. 11 Inother words CEI would agree to transmit 12 power from Ohio Power to the Cleveland Muny system 13 without any rights to the power ourself, Under the CAPCO 12 arrangement we would buy the power and resell it, but with the 15 right to hold it, if we needed it ourselves. The 16 wheeling would be, we would agree to transmit the 17 power and the contract would be between Muny and Ohio Power, 18 and we would simply agree to truismit it through. 19 MR. SMITH: So this is, in effect, an agreement 20 among CAPCO members, not co tompete with each other 21 in purchasing outside power? 22 THE WITNESS: No, that is not what it is. 23 MR. SMITH: Is that the effect of it, however? 21 THE WITNESS: It is simply -- we are simply silent 25

bw2 on the question of whether we would wheel power. It is not typical in the industry to wheel power. 2 Wheeling is relatively unusual, The typical pattern 3 in the industry and the pattern in CAPCO is that you buy power 4 only from companies with whom you are interconnected and then 5 you sell power to only companies with whom you are 6 interconnected. 7 The company in the middle between somebody 13 who has access and somebody who has a deficiency, typically 9 the one company sells to the intermediary company and the 10 intermediary company sells to the company who needs it, 11 MR. HJELMPELT: I move to strike the answer 12 as to what is typical in the industry as being expert 13 testimony, which was not filed in advance. 14 MR. SMITH: In answer to my quastion? 15 MR. HJELMFELT: Yes, sir. In the first place, 16 I don't think it was responsive to your question. 17 In any event, when we get expert testimony in this 18 case, I think we are entitled under the rules to get it in 19 advance. 20 CHAIRMAN RIGLER: Denied. 21 May I interrupt here? 22 Going back to the advantages you have offered 23 Cleveland as a substitute for CAPCO membership, you indicated 24 that you offered them operation in selected CAPCO units

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| ow3 | which would come out of CEI share, as I understood you |
| 2 | answer, and not out of the share of other CAPCO members? |
| 3 | THE WITNESS: We have no authority to offer |
| 4 | scmebody else's cpacity. |
| 5 | Yes, we offered them a portion of CEI ownership. |
| 6 | CHAIRMAN RIGLER: But you were not intending |
| 7 | to state that Cleveland could not negotiate for additional |
| 8 | shares from other CAPCO members in these same or in |
| 9 | different units? |
| 10 | THE WITNESS: That is correct. |
| 11 | CHAIRMAN RIGLER: You were not precluding the |
| 12 | possibility of Cleveland obtaining additional participation |
| 13 | over and above what CEI would offer from its share? |
| 13 | THE WITNESS: Not at all. |
| 15 | CHAIRMAN RIGLER: Assuming that Cleveland took |
| 16 | you up on your offer and asked for a percantage of the |
| 17 | CEI share in Davis-Bess and in Mansfield and maybe Perry, |
| 10 | and you yielded, I have a question as to how this affects |
| 19 | the P over N overall capacity formula as you described as the |
| 20 | method by which your share is determined. It would throw |
| 21 | that askew, if you were giving up the share that you had |
| 22 | to have in order to satisfy the formula? |
| 23 | THE WITNESS: I will explain how that works. |
| 24 | We have, in CAPCO, an annual review of capacity |
| 25 | forthe following year. The target date is to have it set |
| | by July 1st of each year, a whole new calculation of equal |

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| | P over N for the following calendar year which takes 1000 |
| | account a lot of things that may have changed in the inverim. |
| 2 | Sometimes the units come is lage. Sometimes |
| 4 | the capacity is different than what was expected |
| 5 | originally. |
| G | Sometimes somebody has retired capacity. Maybe |
| 7 | it is older stuff that he though would be part of his line-up. |
| 8 | Certainly this situation would be reflected in that |
| S | calculation. |
| .0 | We would determine July 1, preceding each new |
| 15 | calendar year, a new P over N and if that produces a different |
| :1 | result something always changes, the loads to the extent |
| £ | that produces a different result, then we agree to what we call |
| 14 | buy-sells for the following calendar year, incorder to |
| E. | readjust for all of these factors. |
| 6 | The result of this particular item, if we sell part |
| 17 | of our capacity to Cleveland Muny, then we would have to buy |
| - 81 | power in the buy-sells and somebody else who was long would sell |
| .9 | power to us, and the P over N would calculate the emounts, so that |
| 20 | for the one calendar year we buy and somebody also solls should |
| 21 | to bring us back to the equal ? over N. |
| 22 | CHAIRMAN RIGLER: I'm not sure that is an entire |
| 23 | answer. |
| 26 | When you set your percentage of ownership in, let's |
| 25 | say, Davis-Besse, that is done on the life of the plant basis |
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isn't it?

THE WITNESS: Yes.

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10,395 14 271 CHAIRMAN RIGLER: Even a one-year buy-sell adjust -2 ment wouldn't salve that problem. 3 THE WITNESS: Let me continue more. 4 Each year you do this, and we will end up 5 buying power each year until such time as we take a bigger 6 percent of the next unit. That would happen whenever we 7 commit the next unit, we would try with the ownership to bring 3 the forecast buy-sells to zero. We would have to own more of the next committed 9 unit, whatever kind of type it was. In the interim, until such time as the unit came 12 in, we would be buying power. When the unit came on, 12 we would be back even again. 13 CHAIRMAN RIGLER: Then in effect, aren't all 34 of the CAPCO members giving up some percentage of their 15 ownership to accommodate the sale of ownership to 16 Cleveland because the shares in the subsequent unit then \$7 have to be readjusted to give a greater share to Clevaland, 13 and that must perforce come out of the shares of the 0 other members? 20 THE WITNESS: But practically speaking, that 23 future unit would be either larger in size than it otherwise 22 would have, or earlier in time. So that the other companies, 23 while they may have a different percent, would likely have 24 the same megawatts on the average as they would have had, 25

| ar2 | 20,396 |
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| : | and we would have the same megawatts as we would have had, |
| 2 | and Muni's extra megawatts in effect will make more total |
| з | capacity in the pool. |
| 4 | It is hard to illustrate it with only a 1 percent |
| 5 | size system. But basically when we determine how much |
| 6 | capacity is required, it would either take a bigger unit, |
| 7 | or the same unit earlier in time, either of which, of |
| 3 | course, increases the average capacity over the year when it |
| 9 | goes in service. |
| 10 | Can I clarify that, or is that all right? |
| 11 | CHAIRMAN RIGLER: If you have more clarification, |
| 12 | go ahead. |
| 13 | THE WITNESS: I don't know whether I can say it |
| . 14 | any differently. |
| 15 | The effect let me illustrate with a big |
| 16 | example. |
| 17 | If we sold a couple hundred megawatts out of |
| 10 | Davis-Besse we own 400 megawatts of Davis-Besse if |
| (9) | we sold that 400 megawatts when we make the one-system |
| 20 | study for determining the next unit, then either that unit |
| 21 | would have to be bigger, in which case we get the extra |
| 22 | piece, and the others get the same they would have, or the |
| 23 | unit has to be earlier, which has in effect the same effect. |
| 24 | That is, every unit has to be earlier in |
| 25 | the sequence. The other companies get the same capacity, and |
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| 1 | we end up getting extra to replace the megawatts we sold. |
| 2 | CHAIRMAN RIGLER: When this new unit comes along |
| 3 | bigger and earlier, if Cleveland asks fora share of it, |
| 4 | you repeat the process all over again? |
| õ | THE WITNESS: If Cleveland asked for it when we |
| 6 | really would like them to, which is before we make our |
| 7 | commitment, that is the best time to tell us they need |
| 8 | capacity, is when we are planning. |
| 0 | If they asked for it when we were planning, we |
| 10 | would take it into account in the planning. We would |
| 11 | provide the capacity that the group plus Muni needed. |
| 12 | Then it would be clear you were providing the extra capacity |
| 13 | to meet their request. |
| 34 | If they wait until several years later, then you |
| 15 | have to take it out of somewhere in the interim. |
| 10 | CHAIRMAN RIGLER: It seems to me that your |
| 17 | present proposal cuts into somewhat the burden you |
| 18 | described in terms of letting them be a full member, and |
| 22 | incorporating them under your various operating and planning |
| 20 | committees. |
| 21 | Either way there will be a substantial burden |
| 22 | associated with factoring them into new units that come on |
| 23 | line. |
| 24 | THE WITNESS: Yes, that is true. The burden or |
| 25 | imposition on us, and the benefit for them of being able |
| | to designate this later in the game, is a significant one. |
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| : | 10,398 But I think the point that I was trying to make |
| 2 | was that we have offered them this opportunity. Partly, of |
| 3 | course, because of their size. We know they are not going |
| 4 | to ask for 400 megawatts. But we feel we have offered |
| 3 | them without membership in CAPCO, in the fact, more |
| 6 | than they would get if they were members. |
| 7 | BY MR. BUCHMANN: |
| а | Q That was the question we originally started with. |
| 9 | I asked you whether by bacoming a member of CAPCO, |
| 10 | Cleveland Muni could get something more than what you had |
| 11 | offered them? |
| 12 | A Yes, they would. |
| 13 | Q What would they get? |
| 14 | A They would get the right to pick and choose on |
| 15 | the units. |
| .0 | Q You didn't hear my question. |
| 17 | A Would you read it back? |
| 18 | Q I will rephrase it. |
| 19 | I said by joining CAPCO and becoming a formal |
| 20 | member, would they get anything more than what you offered |
| 21 | them? |
| 22 | A By joining CAPCO, they would get less than what we |
| 23 | offered them. |
| 24 | Q Explain that. |
| 25 | A They would be obligated to participate in the one- |
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| 1 | system plans. They would be obligated to take a share of |
| 2 | every unit. |
| 3 | They would be obligated to joint ownership in |
| 4 | each unit, to pay the bills monthly as they come in. |
| 5 | They would be obligated to present us all of |
| 6 | their data on load and capacity and grind that into the |
| 7 | one-system study. |
| 8 | Q Would they have transmission obligations? |
| 0 | A They would be obligated to share in the cost |
| 10 | of all of the CAPCO transmission, some of which is down in |
| 11 | Pennsylvania, of course, and various other places. |
| 12 | They would pay fixed charges on the total CAPCO |
| 13 | transmission in proportion to their system load. |
| 14 | Q What about fuel? |
| 15 | A They would be obligated to have joint ownership |
| :6 | in the fuel pile in the coal-fired plant, or in the investment |
| 17 | in nuclear fuel in a nuclear plant, to pay a proportion of |
| 18 | the cost of the fuel as it is delivered to the plant, et |
| 10 | cetera. Just like any of the other owners. |
| 20 | They would be obligated to pay a portion of the |
| 21 | operating costs other than fuel, that is labor and other |
| 22 | costs, repair costs on the units. That would go into the |
| 23 | cost formula. |
| 24 | Q Earlier you said that one of the obligations |
| 25 | of CAPCO was to finalize decisions quickly or something of |

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| 1 | that sort. Do you remember that? |
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| 2 | A Yes. |
| 3 | Q Why is it desirable to have quick decisions? |
| 4 | MR. LESSY: From the point of view of CET? |
| 5 | MR. BUCHMANN: Yes, of course. |
| 6 | CHAIRMAN RIGLER: Mr. Lessy, I think he can |
| 7 | answer both ways. As I listen to his background informa- |
| 3 | tion and his participation in all of these CAPCO meetings, it |
| 9 | seems to me he has broad familiarity with CAPCO as a whole. |
| 10 | I don't know necessarily that it is helpful to |
| 11 | restrict his answers to CEI. |
| 12 | MR. LESSY: Including conclusions or opinion |
| 3 | testimony which is what the testimony was. Why is it |
| 14 | helpful? It calls for conclusion. Is it from the point of |
| 5 | view of all CAPCO? That broad of an answer? |
| 16 | CHAIRMAN RIGLER: I didn't hear whether you |
| 17 | limited your question in response to Mr. Lessy's comments. |
| 18 | MR. BUCHMANN: I will limit it. I don't under- |
| 19 | stand this business, but I will limit it. |
| 20 | BY MR. BUCHMANN: |
| 21 | Q Why from the point of view of CEI is it good |
| 22 | to have prompt decisions in this process? |
| 23 | A Typically it is good to have prompt decisions. |
| 2.4 | Typically the process of arriving at these is a long |
| 25 | and complicated, technical analysis. It includes analysis |
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| 1 | of load forecasts and capacity forecasts and other things. |
| 2 | When you finally get to the answers, usually you |
| 3 | are close to the lead time on units. It takes about 10-year |
| 4 | lead time to build a nuclear unit, maybe eight years to build |
| 5 | a coal-fired unit. |
| 6 | If the study showed we needed a unit in 1986, we |
| 7 | would really need to decide this year, or we would miss the |
| 8 | boat. |
| 9 | And so we need to be able to get decisions so that |
| 10 | we can act and operate. |
| 11 | Now you can say why don't you plan 15 years ahead |
| 12 | so that you have plenty of time. The answer to that is that |
| 13 | it is difficult to forecast the load 10 years ahead. The |
| 14 | farther ahead you lead, the less sure you are. So we say |
| 5 | this is what we want to do in the next year or year after |
| 16 | that, but we want to make the commitment at the |
| 17 | latest possible date. |
| 18 | You delay the decision to the last minute, and when |
| :0 | the last minute comes, you have to make the decision. |
| 20 | Q You said any of the members can veto a decision? |
| 21 | A Yes. |
| 22 | Q What would happen if one of the members simply |
| 23 | didn't make up its mind? |
| 24 | A I think practically it would have the same impact |
| 25 | as a veto. The parties are going to agree to build a new |
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| 1 | unit. You decide how it is to be allocated. |
| 2 | Four parties agree, and the fifth one says |
| 3 | well, doesn't take action, was your question. Then you |
| 3 | haven't got the whole unit allocated, and you really haven't |
| 5 | got a conclusion. |
| 6 | You can't move ahead on that basis. You have to |
| 7 | have a decision. |
| 8 | Q In the situation you were describing, that could |
| 9 | result in a shortage of capacity? |
| 10 | A That's right. |
| 11 | Q Impacting on the entire system? |
| 12 | A Right. |
| 13 | Q Do you have any reason to believe, based on your |
| 14 | experience with the Illuminating Company and the City of |
| 15 | Cleveland, that the City of Cleveland would have more |
| 16 | difficulty in reaching a conclusion on matters of this |
| 17 | kind than would the other members of CAPCO? |
| 18 | A Yes, indeed. Based both on my observation of |
| 19 | their operation and perhaps, more importantly, what I learned |
| 20 | about their operations at the Federal Power Commission hearings. |
| 21 | I participated in the Federal Power Commission hearings |
| 22 | on the proposed interconnection which has been implemented |
| 23 | now. The Muni testimony there was very explicit on the |
| 24 | fact that the whatever was decided or agreed upon with |
| 25 | respect to that interconnection line was subject to approval |
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| 1 | by the City Council. |
| 2 | It could be financed only with allocations |
| з | approved by the City Council. |
| 4 | It had also to be approved by the officials |
| 5 | in the administration before it went to the City Council. |
| 6 | Muni, the Cleveland Muni official testifying at |
| 7 | the Federal Power Commission, made it clear that they |
| 3 | couldn't negotiate an arrangement with CEI and put it |
| 9 | into effect without going these other hurdles. |
| 10 | My observation has been that it takes a long |
| 11 | time to get concurrence of the administration and the council |
| 12 | in Cleveland. |
| 13 | |
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| Q Now, Mr. Williams, you described previously the |
| 2 request by the City of Cleveland for membership in CALCO. |
| 3 Would you tell me that request was made by |
| 4 letter, wasn't it? |
| 5 A. Yes. |
| Q. What did CEI do when it got the letter? |
| A CEL.contacted the other CAPCO parties because |
| 8 one of the things bein requested was membership in CAPCO. |
| 9 That wasn't a subject we could determine unilaterally. We |
| sent this to the other CAPCO companies for their information. |
| As a matter of fact, as I recall, the letter |
| itself was addressed to each of the CAPCO companies or if |
| not addressed to them, they were cent carbon copies of it. |
| I don't recall the mechanism. Each of the CAPCO |
| companies had it. We contacted them and concluded, now, |
| what do we do? How do we deal with this situation? |
| The generally |
| Q What this done by telephone or by letter? Eld you |
| have a meeting or |
| A I'm not quite sure. I believe this was in |
| August of '73, if I'm right. And there was a meeting in |
| December of '73, but there were some discussion ahead of that. |
| I think they were informal. They were not at any executive |
| committee meeting I attended. I believe they ware informal. |
| The essence of it was somebody ought to go to |
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Cleveland Muny and talk to them about it, because we 1 bw2 are not sure we understand everything that is in the latter. 2 The logical somebody was CEI, and we did go back and talk to them about it. To try to understand what they were 3 proposing and to try to help them understand what membership 5 in CAPCO meant, to reconcile their request for membership 12 in CAPCO with their request forcertain specific units. 7 13 2 Did you say there was a meeting in December? A. Yes. 9 December 7?) a 10 December 7, 173, was a meeting of the CAPCO A. 11 Executive Committee, at which there was discussion of what 12 do we do with the current situation? That is, then 13 current. The basic conclusion at that meeting, as I 125 recall, was that each company would go back and think for 15 itself as to what action it thought ought to be taken, G And well, of course, at that meeting, Mr. Rudolph 17 updated everybody on the discussions that CEI had had with 18 Cleveland Muny and then each company went back to decide 19 for itself what to do. 20 They were going to inform Mr. Rudolph as to 21 what their conclusions were. 22 Did they? a 23 Yes, and the general -- different people did A. 24 different things. 25

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| | Duquesne wrote a letter directly to Cleveland |
| bw3 | Muny. Toledo and Ohio Edison contacted Mr. Rudolph. |
| 3 | The essence and conclusion was that it seemed more |
| 4 | logical to CEI, and the others seemed to indicate in one |
| 5 | form or another that it was more logical to them, rathern |
| 6 | than joiring CAPCO, Cleveland Muny would be better off for |
| 7 | themselves, and we would all be better off, if they would |
| 8 | pursue some of the offers I have already indicated, in terms |
| 9 | of some of the things we had offered to them. |
| 10 | Firm power, participation in the nuclear units |
| 11 | out of CEI share. |
| i2 | Q By the way, just to are you aware of any |
| 13 | request from the City of Painesville to become a |
| 63 | member of CAPCO? |
| 15 | A. Not from the City of Painesville, no. |
| 16 | Q The things we have talked about, generally, |
| 17 | with respect to the City of Cleveland's potential membership |
| 18 | in CAPCO would apply squally or more so to the City of |
| .9 | Painesville; correct? |
| 20 | MR. LESSY: I object. The witness says he is not |
| 21 | familiar with the request from the City of Painesville. |
| 22 | How can he say consideration would apply to something he has |
| 23 | not received? |
| 24 | MR. BUCHMANN: Since we are continuing to get |
| 25 | letters from Painesville prompted by the Staff and by you, |
| | |

Mr. Lessy, I don't know what the next thing will be that we will be opening in the mail.

10194 MR. LESSY: I don't know what Mr. Buchmann 3 is referring to, and the insinuation that Staff consel A was prompting any action, I object to, and if that is the 5 essence, I would like to see on my own on the record or 5 some other time, proof of the fact that Staff is prompting .7 letters on behalf of the City of Paynesville. Since this 3 witness testified he doesn't know snything about it, I can't 9 see how it is a concern of CEI, anyway, at this point. 0 The Witness' answer to Mr. Buchmann's last 19 question should be read back. 12 13 14 15 16 17 18 19 20 21 22 23 24 25

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1 MR. BUCHMANN: I ask leave of the Commission 2 on behalf of the Illuminating Company to reopen the 3 discovery for limited purposes of ascertaining communica-3 tions between the Staff and City of Paynesville within 5 the last couple of months. 0 MR. CHARNO: May I inquire at this time 7 whether it is Mr. Buchmann's position he does have some 13 factual basis for his statement, or whether that 3 allegation which was dropped in the record is based upon :0 some suspicion that he's going to try to substantiate? 11 It is a serious allegation to make. 12 MR. BUCHMANN: I wouldn't have made it unless I 13 had a suspicion that I was going to make an effort to 14 substantiate, Mr. Charno. 15 CHAIRMAN RIGLER: We will consider the request to reopen discovery in a limited area during our break. 17 MR. BUCHMANN: Yes, sir. CHAIRMAN RIGLER: Is there opposition by the 8.1 Staff? 193 :20) MR. LESSY: If counsel would restate what his desire is. . . 22 CHAIRMAN RIGLER: I think maybe the better way

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to handle it would be to have the request set forth in writing so that we understand exactly what the boundaries are. Obviously any such request would be extraordinary,

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| : | and would be on a good-cause-shown basis. |
| 3 | The request should indicate precise boundaries, both |
| 3 | in terms of time and of the scope of the information being |
| -\$ | sought. |
| 5 | MR. BUCEMANN: It is obviously something that |
| ő | doesn't have to be ruled on right now. |
| 7 | CHAIRMAN RIGLER: Now with respect to the pend- |
| З | ing objection, which is not unlike others we have heard |
| Э | this morning, Rule 701 of the Federal Rules of Evidence |
| 10 | does provide for opinion testimony by lay witnesses in |
| 43 | circumstances where the answer would be rationally based |
| 12 | on the perception of the witness and helpful to a clear |
| 73 | understanding of his testimony. |
| 14 | I think that provides ample basis for him to |
| 5 | answer. |
| G | MR. LESSY: That was not my objection in this |
| 12 | instance. The witness testified he had no factual basis |
| 13 | for answering the question. The question was, would the |
| 19 | same considerations apply to Painesville. His answer was, he |
| .20 | wasn't familiar with the Painesville situation. |
| 21 | CHAIRMAN RIGLER: Let us ask him that. |
| 22 | Did you say you were not familiar with a request |
| 23 | from Painesville, or familiar with the Painesville situa- |
| 24 | tion? |
| 25 | THE WITNESS: I'm very familiar with the Painesville |
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| 1 | situation and have been involved in it for some time. |
| 2 | I thought that the question was, are you familiar |
| 3 | with a request from the City of Painesville for membership |
| 4 | in CAPCO. I said no, I'm not familiar with a request |
| 5 | from the City of Painesville for admission into CAPCO. |
| 6 | CHAIRMAN RIGLER: Now you may answer Mr. |
| 7 | Buchmann's pending question. |
| 3 | The objection is overruled. |
|) | BY MR. BUCHMANN: |
| to | Q Do you remember what it was? |
| 31 | A Would you state it again? |
| 12 | Q If Painesville should request membership in |
| 13 | CAPCO, would the advantages and disadvantages of municipal |
| 14 | membership in the organization which you have described |
| 15 | relative to the City of Cleveland be equally or even more |
| 16 | applicable to Painesville? |
| 17 | A They would be even more applicable to Painesville |
| 18 | because Painesville is even smaller. The smaller you are, |
| 0 | the less benefit or the more adverse it would be to be |
| 20 | tied in with a one-system concept with a pool whose financial |
| 21 | fixed charge rates, et cetera, were so much different. |
| 22 | The better off you would be to be able to decide |
| 23 | what you wanted to do individually. |
| ,24 | CHAIRMAN RIGLER: We will take 10 minutes. |
| 25 | (Recess.) |
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| - 1 | CHAIRMAN RIGLER: Mr. Buchmann, if you file a |
| 2 | motion for additional discovery, the Board is not encouraging |
| 3 | or discouraging you from doing so, we would expect an |
| 4 | indication of relevance with respect to this particular |
| 5 | hearing. |
| G | MR. BUCHMANN: I'm sure of that, sir, and if we do |
| 7 | so, I will try to satisfy that. |
| 3 | I assume you don't want any indication from me |
| 9 | now? |
| 10 | CHAIRMAN RIGLER: NO. |
| 11 | MR. BUCHMANN: Should I resume? |
| :2 | CHAIRMAN RIGLER: Yes. |
| 13 | BY MR. BUCHMANN: |
| 14 | Q Mr. Williams, with reference to the arrangement |
| 15 | of the CAPCO pool, is it your belief that the memorandum |
| 16 | of understanding covers all possible situations which might |
| 17 | occur in the future? |
| 13 | A Not at all. |
| 19 | Q What happens if something unexpected arises? |
| 20 | A Well, of course, already a number of unexpected |
| 21 | things have arisen. And what is needed obviously is the |
| 22 | flexibility of all of the members of CAPCO to be willing |
| 23 | to adapt to the changing circumstances. |
| 24 | We have had the famous White Paper, for example, |
| 25 | in which the whole buy-sell calculation I was describing |
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| 1 | was not in the original memorandum of understanding, but |
| 2 | was added later. |
| 60 | We have had adjustment in capacity requirement. |
| ; | We have had changes in the sequence in which units |
| 5 | were brought on the line. |
| 6 | We had CAPCO recognizing that it needed extra short |
| 7 | lead time capacity. That is capacity which we put in, in a |
| 3 | hurry, because of delays of the units. |
| 9 | We committed combustion turbines. |
| 0 | We have done a number of things since the |
| 11 | original memorandum of understanding which require flexibility, |
| 12 | and which certainly, if the pool is going to work, all of |
| 13 | the parties need to be willing to be flexible to change |
| 14 | the memorandum of understanding to adopt new concepts in |
| 15 | the interest of making the whole thing go. |
| 16 | This is another reason why we need fast decisions |
| 17 | also. |
| 10 | We talked about fast decisions before. |
| .9 | We need flexibility to change decisions or |
| 20 | provide for unforeseen circumstances. |
| 21 | Q What sort of things would cause an adjustment |
| 22 | in capacity requirement? |
| 23 | A It might be either a change in the load forecast |
| 24 | or delays in units coming on the line. |
| 25 | For example, either of which would, of course, |
| 19.5 | |

| c 6 | 10,413 |
|------------|---|
| 1 | make the load to capacity ratio that you had expected it to |
| 2 | be. You have to be able to adjust to the changed |
| З | circumstances. |
| 4 | Q What about changes in capital costs? |
| 5 | A Changes in capital costs is another area. |
| 6 | As a matter of fact, we have deferred units on two occasions, |
| 7 | almost three. |
| З | At one time we concluded we were going to delay |
| 9 | some units and cancel one. A couple of months later we |
| 10 | decided we didn't want to cancel it, because we decided when |
| 11 | we went to cancel, that the cancellation costs were so great |
| 12 | that we deferred it instead of cancelled it. |
| 13 | We deferred other things because of the |
| 14 | ability to raise money. That is the CAPCO companies were |
| i5 | finding it very difficult to finance the program, and |
| 16 | concluded, as a matter of fact, publicly announced that |
| 17 | because of the high capital costs and the difficulty of |
| 18 | financing, we were deferring units, even though it might |
| 19 | produce a power shortage. |
| 20 | We ware changing our basic one-system planning |
| 21 | concept of how much capacity was needed because we couldn't |
| 22 | finance the program. |
| 23 | That required the flexibility to say we are not |
| 24 | going to stay with our standard. Here is a new unforeseen |
| 25 | circumstance, and we adapted to it two or three times. |

| ar7 | 10,414 |
|-----|---|
| 1 | Q What do you mean by cancellation costs? |
| 2 | A The specific unit we were talking about was |
| 3 | the Mansfield 3 Unit. We had a number of contracts for |
| 4 | boiler, turbine, and other equipment. When we went back |
| 3 | to the manufacturer and said, "We would like to cancel this |
| 6 | order," he said, in effect, "We have spent a lot of money |
| 7 | on it. We have done a lot of engineering work, and done |
| з | parts," et cetera. "We are willing to cancel the contract, |
| 9 | but you have to pay us for the costs we have already |
| 10 | incurred." |
| 11 | Naturally when you have a contract, both sides |
| 12 | must agree to the cancellation. If the manufacturer was |
| 13 | to agree to the cancellation, he wanted us to agree to pay |
| 14 | the costs we had already incurred. |
| 15 | Obviously that was a reasonable request, but that is |
| 16 | what I meant by cancellation charge. |
| 17 | Q Referring to flexibility, would that |
| 0 | flexibility permit restructuring of CAPCO to permit the |
| 19 | inclusion of a publicly-owned electric utility? |
| 20 | A Yes, if all of the parties agreed that was the |
| 21 | thing to do. If you are going to be flexible to adapt to |
| 22 | changing circumstances, you have to recognize whatever changing |
| 23 | circumstances there are. |
| 24 | Basically, of course, the change has to be in |
| 25 | everybody's best interests. If a proposed change is |
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| art | 10,415 |
| 1 | favorable for some party, but unfavorable for us, |
| 2 | obviously those that will be unfavorably affected will say, |
| 3 | "We are not going to do that." |
| 4 | You have to find an approach in everybody's |
| 5 | best interests. That is more difficult. The more people |
| 3 | that you are trying to satisfy |
| 7 | Q Are you familiar with a request by the Borough |
| з | of Pitcairn to join CAPCO? |
| 9 | A Yes. |
| 10 | Q How did that come to your attention? |
| 11 | A That came in the form of a letter from Pittcairn |
| 12 | to the company. |
| 13 | Again, I believe they sent it simultaneously |
| 14 | to all of the companies, in which they asked for membership |
| 15 | in CAPCO. |
| 16 | As I recall, their letter was short, as contrasted |
| . 7 | with Cleveland, as I have already described, ran several |
| 13 | pages. |
| 19 | Q What did you do about the letter? |
| 20 | A We responded that we didn't think really it |
| 21 | was a feasible kind of thing. We weren't sure they understood |
| 22 | what CAPCO was or what was involved in membership in CAPCO. |
| 23 | But we suggested if they wanted to sit down and talk about |
| 24 | it, we would be glad to discuss it with them. |
| 25 | Q Are you aware that Pitcairn has three megawatts |
| | |

| ar9 | 10,416 |
|----------------|---|
| 1 | of capacity? |
| 2 | A Yes. |
| 3 | Q Would the addition of three megawatts of |
| 4 | capacity to the CAPCO system bring any benefits to it that |
| 5 | you can see? |
| 6 | A No. Three megawatts is insignificant in CAPCO. |
| 7 | Q By the way, when you compute the capacity |
| 3 | participation of various companies in new units, carried out |
| э | to the last tench of a kilowatt, or how do you do it? |
| 10 | A At the beginning we round it to the nearest five |
| 11 | megawatts. With our trim calculation now we round it to the |
| 12 | nearest one megawatt. |
| 13 | Q What is a trim calculation? |
| 14 | A Before we talked about the buy-sell. What I |
| 15 | was explaining, with this calculation, we make by July of |
| 16 | each year for the following calendar year, where we calculate |
| 17 | buys and sells, we sometimes call that a trim calculation. |
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| SPACE Prove of | |

| | 10,417 |
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| 518 bwl. 1 | Q Did Pitcairn ever get back to you? |
| 2 | A They got back to us in effect, as I recall, |
| - 3 | and indicated they were discussing this with Duqueane |
| 4 | Light. Obviously, they didn't need to discuss it with each |
| • 5 | of us, if the purpose was to find out what CAPCO was all about, |
| 6 | et cetera. |
| 7 | Q CEI has a four megawatt unit on its system; doesn't |
| э | it? |
| 9 | A: Yes. |
| 10 | Q What is it used for? |
| 11 | A It is used for dead start capability at our |
| 12 | Lakeshore Plant. By dead start capability, I mean if the |
| 13 | whole system were shut down completely, how do you get |
| 14 | yourself started? This four megawatt is a diesel unit |
| 15 | which is used to start up the rest of the Lakeshore plant |
| 16 | one unit at a time. |
| 17 | Q Wouldn't a three megawatt unit be useful for that |
| 18 | purpose? |
| 19 | A. Three megawatts wouldn't be big enough even for |
| 20 | the Lakeshore Plant. The reason we put in a four megawatt |
| 21 | plant is because that is what size we needed. |
| • 22 | Q Mr Williams, one other things, in response to some |
| 23 | questions from the Board, we were talking about |
| 24 | entering into transactions with other utilities. Is the |
| 25 | Illuminating Company free under the CAPCO agreement to enter |
| | into transactions with utilities other than CAPCO members? |
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| | 10,410 |
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| bw2 | A. Yes. |
| 2 | Q Does it do so? |
| | A Yes. |
| 3 | Q Some of these other utilities, let's take |
| 4 | Ohio Power, for example, You have transactions |
| 5 | with Chio Power? |
| 6 | A. Yes, we buy power and so forth from them. |
| 7 | Q Is Onic Power, to your knowledge, interconnected |
| 8 | with other members of the CAPCO group? |
| 9 | A Yes, it is. |
| 10 | MR. BUCHMANN: Could I have just a moment? |
| 18 | I have nothing further. |
| 121 | CHAIRMAN RIGLER: I have one or two. |
| 13 | Would it be helpful for me to ask them at this time? |
| 14 | MR. BUCHMANN: Yes, sir. |
| 15 | Whenever you want to do it, as far as I'm |
| 13 | concerned. |
| 17 | CHAIRMAN RIGLER: It relates to your line of |
| 18 | questioning on advantages, other than CAPCO membership which |
| 19 | CEI has offered. You indicated that CEI was willing to |
| 20 | wheel power for the City, provided that CEI had access to |
| 21 | the source of thatpower on the same terms as the City. |
| 22 | THE WITNESS: That is right. |
| 23 | Q CHAIRMAN RIGLER: How about wheeling out for the |
| 24 | City? |
| 25 | THE WITNESS: I don't think hat question has been |
| | THE MITTERS I THE CHILLY THE GUES LON AND DEEN |

bw3 | raised. I don't believe the question has been 2 raised, so I really couldn't tell you right off the cuff what our position would be, if it were raised. 3 You're talking about wheeling out, if the City 3 wanted to sell to someone else? j. CHAIRMAN RIGLER: Right, which, in turn, might 6 enhance its prospects in getting a partner to consider 7 wheeling in the first place, if they had some cort of 3 coordination agreement to have it wheeled out. 3 That has not not been considered? 3 THE WITNESS: No, it hasn't been. 22 CHAIRMAN RIGLER: Now about wheeling between the 12 City of Cleveland and Painesville? 13 THE WITNESS: I'm not sure whether I should offer 125 you what I think the position would be or not. That doesn't 15 quite seem like the best thing for me to do. If it was 竹仔 recognized that it was an opinionof what I think the 17 position would be without committing the companyto it that 13 it is our position, it might be useful to help you understand. 19 I think our position on wheeling out would be the same 20 as our position on wheeling in. That is to say, if the 21 power were available to us on the same terms and conditions 22 which said if we didn't want it or need it, I would think we 23 would be willing to wheel it out to somebody else who 24 did want it or need it. 25

10,419

I don't know because that hasn't been requested bw !! and to my knowledge it hasn't been discussed and, naturally, 2 when you are formulating your position on a new request 3 for a different kind of service, you do more study and 1 analysis than I can do off-the-cub citting here and 3 testifying. 13 But I'm sort of thinking out loud. 7 CHAIRMAN RIGLER: As you thought out loud I 3 detected a right of first refusal on wheeled out power; 9 is that correct? (1) THE WITNESS: Yes, what I was thinking about, 81 what I was thinking about was the general industry 12 practice. I spoke before about the general industry practice 13 and what I think we would do is something close to the 1.1 general industry practice. 15 I'm sure we would follow the general industry 15 practice. We would be willing to buy from --17 CHAIRMAN RIGLER: Can the general industry 18 practice always be identified? Is there such an animal 19 that can be captured and put in a cage called "general 20 industry practice"? 21 THE WITNESS: Not precisely. Every contract 12 is different. But most companies would be willing --23 with an interconnection arrangement would be willing to 24 buy from Cleveland Muny and sell to Painesville simultaneously. 25

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| | 10,421 |
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| bw5 1 | Most would insist that if they were short, |
| 3 | they would if Cleveland Muny was long and Painesville |
| 3 | was short, they would buy from Cleveland Muny without the |
| .1 | obligation to sell to Painesville. These are two separate |
| 5 | transactions. |
| G | That is, I guess, the same as, or close to, |
| 7 | what you were referring to when you talked about the right |
| 3 | of first refusal. |
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| 19 | 10,422 |
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| a.r1 1 | CHAIRMAN RIGLER: If it is cheap power coming |
| 2 | out of Cleveland that they are making available to |
| 3 | Painesville or some other customer down the line and |
| 4 | that is cheaper than the power CEI is generating on an incre- |
| 5 | mental cost basis, there would be a tendency for CEI to |
| G | use that power itself, rather than go into a wheeling |
| 7 | transaction? |
| 8 | THE WITNESS: Yes. |
| 9 | CHAIRMAN RIGLER: That could affact the |
| :0 | ability of the City to get into a viable arrangement with a |
| 11 | power system down the line, if the other party had to always |
| 12 | worry about that cheap power being intercepted? |
| 13 | THE WITNESS: Yes, that is true. |
| 14 | MR. BUCHMANN: I have nothing further. |
| 15 | CHAIRMAN RIGLER: Let me ask one more question. |
| 16 | Suppose Cleveland took you up on your proposal |
| 17 | that they purchase small percentages in a number of units |
| 18 | of their selection, and it developed that they had excess |
| 0 | power available; would CEI be willing to assist in the |
| 20 | transmission of that power from, say, Davis-Besse or Parry |
| 21 | to some other customer specified by the City? |
| 22 | THE WITNESS: I'm sure that we would on what |
| 23 | I call the conventional arrangement. Maybe I can amplify |
| 24 | the conventional arrangement a little bit with illustrations |
| 25 | of what we now do with paople. |
| | |

ar2 10,423 1 If PJM, who is not interconnected directly with 2 AEP, wants to buy low-cost power that AEP has available on economy interchange basis, a typical interchange 3 transaction between CEI and PJM, or Ohic Power, is on a -4 split-saving basis. 5 If AEP can generate cheaper than we can, we 6 7 buy it from them, and pay half the difference in cost. If we can sell to PJM at a lower cost than their 8 generating cost, we will sell it to them on a sulit-saving 9 basis. 10 We would buy from Ohio Power and sell to PJM on a 11 split-saving basis where the difference is between our cost. :2 and PJM's. 13 It is two separate transactions. We would do 14 the same thing, I'm sure, with respect to excess power which :5 Muni might have available in Davis-Besse or Perry. Whether 16 we would go beyond that is, as I said before -- we haven't 17 been asked or haven't studied or analyzed it. 13 CHAIRMAN RIGLER: Think about it. Would you be :9 willing to do that? 20 Suppose there is a use for that power within 21 the CAPCO system. 22 THE WITNESS: First of all, if we don't need the 23 power, and somebody else does ---24 CHAIRMAN RIGLER: I'm assuming CAPCO needs it, and 25

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| ar3 | |
| 1 | Cleveland has excess capacity from its share in Davis-Besse. |
| 2 | THE WITNESS: If CAPCO needs the power and |
| 3 | Cleveland has excess avilable, and it is the best power that |
| 4 | CAPCO can buy, CAPCO would be willing to buy the power. |
| 5 | If CAPCO can buy cheaper power from somebody else, |
| 6 | they would presumably do that. |
| 7 | CHAIRMAN RIGLER: This is the cheapest power |
| 3 | available to CAPCO, which has a need for it. The City |
| 9 | looks around and finds another customer also needs that |
| 0 | power, and on a split-to-savings basis, the return to |
| 54 | Cleveland would be higher if sold to the other customer than if |
| 12 | sold to CAPCO. |
| 3 | Under those circumstances, would CAPCO be |
| 4 | willing to assist in the arrangement? |
| 15 | THE WITNESS: We don't do that now with anybody |
| 16 | who has a contract. I don't know whether we would be willing |
| 17 | to do it with Cleveland or not. |
| 8 | CROSS-EXAMINATION |
| 19 | BY MR. REYNOLDS: |
| 20 | Q Mr. Williams, let me just follow up the Chairman's |
| 21 | line of questioning there for a minute, and ask you why is |
| 22 | it that you don't now have the kind of arrangement that |
| 23 | was suggested with everybody? |
| 24 | A I guess the simplest answer is that in all our |
| 25 | interconnection negotiations, neither we nor the other people |
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| 1 | have proposed it. I don't believe that it has been proposed, |
| 2 | analyzed, and put down. I think to me, it is a new |
| 3 | idea in how to operate an interconnection. |
| 4 | I don't know of situations where it is being done |
| 5 | that way. |
| 6 | Q In the situation posited, would that not merely |
| 7 | make available the savings to the two parties as opposed to |
| 8 | spreading the savings to everybody, as is the case, the way |
| 9 | you now do it? |
| °0 | MR. LESSY: I'm not clear on that question. |
| 11 | CHAIRMAN RIGLER: I'm not, either. What |
| 12 | do you mean by spreading the savings to everybody? |
| 13 | BY MR. REYNOLDS: |
| 14 | Q Who gets the benefit of your economy inter- |
| 15 | change transactions now under the way you do it? |
| 16 | A If I follow the example it is not hypothetical, |
| 17 | we have actually done it where we buy from AEP and sell |
| 18 | to PJM economy power. AEP, CEI and PJM all get banefits |
| 19 | by that transaction. |
| 20 | Q Under the hypothetical that was posed, would the |
| 29 | savings of the economy transaction be spread among all of |
| 22 | the participants or not? |
| 23 | A As I understood what the Chairman was describing, |
| 24 | it would be split between the two end parties with our |
| 25 | company being, I presume, paid some sort of transmission |
| | |

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| | 1 | charge or scmething, but not sharing in the benefits of |
| | 2 | the economical generation. |
| • | 3 | That is the way I understood the questions. |
| | 4 | CHAIRMAN RIGLER: That was cornect. |
| • | 5 | MR. REYNOLDS: I don't have anything else. |
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| 19 bw1 | | MR. LESSY: The City will go first in cross- |
| | 2 | examining this witness. |
| | 3 | BY MR. HJELMFELT: |
| | 4 | |
| | | Q. Mr. Williams, I'm David Hjelmfelt, and I'm |
| | 5 | asking questions on behalf of the City of Cleveland. |
| | 6 | Could you tell me who is responsible for the |
| | 7 | design of the Perry plant? |
| | 8 | A Our company is. |
| | 9 | Q. Was that designed by CBI engineers? |
| | 10 | A It is being designed by CEI engineers with |
| | 11 | considerable help of outside consulting engineers, namely, |
| | 12 | Gilbert and Associates from Reading, Pennsylvania. |
| | 13 | Q How does CEI protect its system against |
| | 14 | cascading outages, or does it? |
| | 15 | A It certainly does. It protects its system through |
| | 16 | overall system design, providing adequate generation, |
| | 17 | adequate transmission, proper protective relation, high |
| | 18 | speed communication, automatic communication between various |
| | 19 | points on the system where trouble may develop, et cetera. |
| | 20 | Q Prior to the formation of CAPCO, was CEI inter- |
| | 2.1 | connected with Toledo Edison? |
| | 22 | A No. |
| | 23 | Q And was it interconnected with Duquesne Light? |
| | 24 | A No. |
| | 25 | Q Were those companies, companies with which CEI |
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did business?

A. Without an interconnection you can't do business with them or without an interconnection contract.

Q When was it that consideration was given to to including Cincinnati Gas and Electric and Dayton Power and Light in CAPCO?

A To be clear technically, CAPCO -- the consideration was before CAPCO was formed in the concept I have been describing it. The consideration of some sort of joint planning and coordination among all of these companies, was just shortly before the memorandum of understanding was finalized. By shortly before, I mean, maybe, a couple of years or so.

Maybe 1965 Sr '66.

Q Were discussions leading up to CAPCO begur as early as 1965?

A I don't believe the discussions explicit to the memorandum of understanding started that soon. Certairly, discussions of how can we more effectively coordinate our operations having been going on for a long time.

20

Q. Was it ever considered that APS might be a member of CAPCO?

A I don't think CEI gave much thought to that, but I would suspect Duquesne Light probably did.

I don't recall any meetings at which APS was present in that sense. So was consideration given to it,

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| bw3 | I guess my answer is probably, but the Illuminating |
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| 2 | Company didn't give any significant consideration to it. |
| 3 | Q Did CEI have an intertie to the Michigan Pool |
| d | in 19677 |
| 5 | A. No. |
| G | Q You testified that each company had different |
| 7 | history and facilities and objectives when it came into |
| 8 | the pool. Did that require a transaction into the pool? |
| 9 | A Yes. |
| 10 | Q What was that transaction? |
| - | A. The main heart of it was the recognition of this |
| 12 | one-system concept. That is the idea instead of planning |
| 13 | for what that one system needed, we planned for what the |
| 14 | whole system needed. |
| -5 | The input, of course, was the then existing |
| :6 | situation, |
| 17 | So you put into the pool all of the |
| 3 | generation that was then available, obviously. Then you |
| 19 | said, all right, with a system that starts this way, what is |
| 20 | the logical thing to do next? And that was a considerable |
| 23 | change, because everybody had been doing different things |
| 2.2 | before, and what we ended up doing, namely, committing |
| 23 | four large units, was much different than anybody had done |
| 24 | before. |
| 25 | That was the primary nature of the change, I |

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bur4 guess.

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| 2 | Q Well, with the first four units located on the |
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| 3 | basis of a one-system concept? |
| 4 | A I would say, generally, yes. |
| 3 | But the first at the beginning we were not |
| 6 | as well integrated in our planning as we are now. |
| 7 | So we looked in general. We also had the situation |
| 8 | where each company had something it wanted to do. |
| 9 | We sort of put together on a combination engineering |
| 0 | plus management-judgment basis a mixture of what a one-system |
| 17 | study would say and what the individual companies wanted to |
| 12 | do. And we ended up with negotiated compromise, is about |
| 3 | the best way to describe it. |
| 14 | Q Was the same true with respect to the ownership |
| 15 | of the f'rst unit? |
| 3 | A Yes, probably even more so. |
| 57 | Because in the commitment of the ownership of the |
| 18 | first four units, we did not follow the practice I described |
| 10 | of each company owning a piece of each unit. That concept |
| 20 | was also added later in CAPCO. |
| 21 | We instead, in effect, negotiated ownerships. |
| 22 | Toledo, for example, indicated in the |
| 23 | meetings that they particularly wanted to own as much as possible |
| 24 | of Davis-Besse which is the fourth unit and that they would |
| 25 | like to buy power out of the first three units, until such |
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| | 1 | time as D wis-Besse came on line. And that was agreed |
| w5 | 2 | to in the original memo. |
| | 3 | Q Did Duquesne Light take an ownership interest in each |
| | 4 | of the first four units? |
| | 5 | A No. Duquesne Light owned part of each of the |
| | 6 | first three units, but none of Davis-Besse. |
| | 7 | Q Is it your estimony that the equal percent |
| | 8 | reserve basis of allocating reserves is no longer followed |
| | 9 | in the industry? |
| | 0 | A No. My testimony was that the CAFCO companies |
| | -11 | agree that it is not the best way to do it. |
| | 12 | Q You stated that when Duquesne Light came into the |
| | 13 | pool it had the largest unit. What was the size of that |
| | 14 | unit? |
| | 15 | A 540 megawatis. |
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arl i What was the size of the largest CEI unit at 0 2 that time? 3 Our largest ... the largest unit we owned was A 1 625, but as I mentioned, we had a special arrangement. 3 with Ohio Edison where they agreed they would send us 6 300 megawatts any time that unit was off. So we agreed for 7 our planning purposes that it was a 325 megawatt unit. 3 At the time that you were negotiating the CAPCO 0 9 agreement, did CEI expect that it would be soon receiving a request for an interconnection from MELP? 10 11 A No, I dodn't believe we did expect it. I don't think we expected a request for an interconnection 12 from MELP. 15 If the Municipal Electric System of Cleveland 0 14 was a member of CAPCO and running its 85 magawatt unit, 15 and experienced an outage with that unit, that unit went 16 down, how much of that would CEI pick up from its own 17 generation? 13 It would depend on the circumstances at the A 19

moment in terms of how much each company had in reserve, 20 and so forth. If we assume everybody had a balance or 21 normal situation, instantaneously we would pick up all of it, 2 and then gradually the other companies would pick up more 23 of it, and we would come back to a load that was proportional 24 to the relative sizes of the companies, and their relative 25

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| 1 | transmission distances to the other load. |
| 2 | We would probably pick up roughly a third I |
| 3 | would guess, after the first few seconds. We would pick |
| 4 | up all of it initially, but after things settled down, it |
| 5 | would be about a third of it. |
| 6 | Q What operating reserves does CEI carry? |
| 7 | A Operating reserve, we follow the ECAR rules |
| 3 | which I indicated come out to about 6 or 7 percent. They |
| 3 | are figured by a more complicated formula than that, but the |
| 10 | average comes out to about 7 percent. |
| 11 | Q You carry about 3 percent spinning reserve under |
| 12 | that formula? |
| 13 | A Yes. |
| 14 | Q What would that be at the time of your system |
| 15 | peak? |
| 16 | A Our system peak is about 3000 megawatts. So the |
| 17 | 7 percent would be 210. 3 percent spinning would be 90. |
| :0 | Q And do you know what the spinning reserve on |
| :9 | the CAPCO system would be? |
| 20 | A Something in the order of 7-800 megawatts, |
| 21 | probably. I'm sorry. You said spinning reserve? |
| 22 | Q Yes. |
| 23 | A Maybe 300 megawatts of spinning reserve. 700 or |
| 24 | 800 of operating reserve. |
| 25 | Q When the City of Cleveland requested membership |
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| 1 | in CAPCO, when did CEI make its decision on what its |
| 2 | response weald be? |
| 3 | A The initial response of saying we want to sit |
| 4 | down and talk with the City, I think, was made within a few |
| 5 | days and communicated to the City. I think the rasponse in |
| 3 | terms of a specific proposal, the various things I outlined |
| 7 | wa offered, I believe was made about seems it was February |
| 3 | of the following year. From August to February, six |
| Э | months or so, I think. |
| 0 | There had been some discussions in the interim |
| 11 | and then we gave this written proposal in two or three |
| 12 | letters in February, I believe. |
| 13 | Q Now was there a meeting with the City in |
| 14 | December of 1973 in which CEI responded to the City's |
| :5 | proposal? |
| 13 | A I don't know. I don't believe I attended one |
| 17 | with the City. |
| 13 | Q At the time of the December 7, 1973 meeting of |
| 19 | CAPCO executives, to discuss the proposal, had CEI |
| 20 | determined what its response to the City's request would be? |
| 21 | A No, I don't believe so. |
| 22 | Q Do you know how long after that meeting CEI |
| 23 | determined what its response would be? |
| 24 | A I believe it was the following February, '74, that |
| 25 | we sent two different letters that gave a specific proposal. |
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| | Q And those letters would have been sant shortly |
| | after you determined, or CEI determined what its re ponse |
| | would be? |
| | A I would think so. |
| | Q Now after MELP sent out its request, its |
| | proposal on August 3, you testified that there were |
| | discussions of some sort with the other CAPCO members? |
| | A Yes. |
| | Q Did you participate in those discussions? |
| 1 | A No. |
| | Ω How did you become aware of what transpired |
| 2 | during those discussions? |
| 1 | A Through internal company memoranda that referred |
| 1 | to them. |
| 1 | Q Who were those memoranda from? |
| | A I'm not sure. |
| 1 | Q Were you an addresses on those memoranda? |
| 1 | A Yes, either direct addressee or carbon copy. |
| 1 | I wouldn't recall which. |
| 2 | Q Was there more than one such memoranda? |
| 2 | A I think so. |
| 2 | Q To the best of your recollection, what did those |
| 2 | memoranda say? |
| 2 | A I think the essence of it was that the logical |
| 2 | thing would be for CEI to talk to Cleveland Muni and |
| | |

1 explore this proposal. 2 As I said, it was several pages and how to go about 3 understanding it, you have to talk to people. The essence of the conclusion was we ought to sit down and talk together. 1 5 Did the memo that you saw set forth what the 0 6 other CAPCO members had stated? 7 A I believe that in general they concurred in the idea that it would be well for CEI to talk about Muni. 3 Was CEI then to report back to the other CAPCO 0 3 members? 10 Certainly in general we keep the other CAPCO 11 A members informed on whatever we were doing with inter-12 connected operations, et cetera, and we obviously would with 3 this one. 14 Could CEI have simply told the City that it was 0 15 not going to permit it to join CAPCOT 16 I guess we could have. A 17 Q Would that have prevented MELP from joining CAPCO? 13 If the position prevailed, it would have. A 19 Q What do you mean, if the position prevailed? 20 Your hypothesis was could we have told you that? A 21 Q Yes. -2-2 By prevail, I mean if we told you that, and you A 23 came back and said let's talk about this more, it is 24

conceivable after some discussion or what-have-you we might

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have thought differently. That is what I meant by if it prevailed.

Q Euquesne Light, Ohio Edison, Pennsylvania Power, and Toledo Edison had stated that they thought a great idea and that MELP should be in CAPCO and CEI said no way, could MELP then have joined CAPCO?

A If those would have been the positions of the various parties, we obviously would have sat down with them and discussed why do you feel this, tried to understand it, et cetera.

While you have individual determination, you certainly exchange ideas with each other, et cetera. But the basic bulwark of CAPCO is this unanimous consent concept which says in effect that no company should be or can be or will be obligated to accept the decisions of the other companies. That each of the companies is an autonomous individual organization. That it is not bound by the others.

Now CEI, and in this unanimous consent rule, it
always has the three options of doing nothing, saying yes,
saying no, or pulling out of CAPCO. Of course, the others
do also.

If the others thought it was a great idea and CEI said no way will we in any way, the others would have the option of withdrawing from CAPCO, forming a new pool, excluding CEI, but including Cleveland Muni and proceeding

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| from there. |
| Q When did CEI first decide that the City's |
| proposal was inconsistent with the CAPCC memorandum of |
| understanding? |
| A I reached the conclusion the moment I read it. |
| I communicated that I was vice president of engineering |
| at the time. |
| When I read it, I said no way. This is incon- |
| sistent on its face. I immediately communicated that to |
| Mr. Rudolph and others in the company. I think the conclu- |
| sion was pretty much bought by everybody. |
| Others reached, I think, the same conclusion |
| independently, but at any rate, very guickly we concluded |
| that some of the things we were asking for were inconsistent |
| with some of the other things they were asking for. |
| Q Did you have a meeting with the City after |
| the City's August 3, 1973 letter and prior to the December 7 |
| CAPCO meeting? |
| CHAIRMAN RIGLER: By "you," do you mean CEI? |
| MR. HJELMFELT: I mean SI, that's correct. |
| THE WITNESS: I don't know. |
| BY MR. HJELMFELT: |
| Q Now I think you testified that the initial |
| response of CEI was to write back and say, hey, we ought to |
| discuss your proposal. You don't know whether any such |

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discussions took place?

A No, I don't.

Q Do you know whether the City then was ever informed that its position, its request was inconsistent with the CAPCO memorandum of understanding?

5 I would presume they were from the discussions A somewhere. There have been a lot of discussions. 7 3 Generally speaking, I was not involved in the negotiations with the City. I had been in just a few meetings earlier) when we were talking about the interconnection itself, and 10 the communication among -- the internal communication 11 during the course of the negotiations was relatively 12 small. It was confined primarily to those people who were 13 involved. 14

Although I have been very much in all of the CAPCO negotiations, I have not been involved in the Huni negotiations. So I'm really not qualified to tell you what happened in the Muni negotiations.

1) Q You cannot say from your own knowledge whether 20 or not the City was ever informed that its request was in-21 consistent with the CAPCO pool?

A No, I can't say that from my own knowledge. Q Do you know whether the City was ever informed that if it joined CAPCO, it would have to participate in coalfired units as well as nuclear units?

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| 1 | A No, I don't know. |
| 2 | Q You testified in a hypothetical vaim with |
| 3 | respect to what the effect would be if the City joined |
| 4 | CAPCO. Was any such study actually made? |
| 5 | A I testified about the studies we made of the |
| 3 | hypothetical capacity affact. These were the only |
| 7 | Q That was in 1967, or during the negotiations? |
| 3 | A About that time. That was the only studies |
| 9 | that CAPCO made related to Cleveland Muni. |
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How about CEI? Did it make any study after the a study after the City made its proposal on August 0, 1973? 2 1 Of course, CEI has been studying the implications À. 21 of Muni and operations with Muni for 50 years. 5 We have had all kinds of studies. The specifics 5 you are talking about of the implications in CAPCO, I 3 recall participating myself in an effort to list the responsibilities and obligations of CAPCO participation, 3 which I believe was to assist our autorneys in negotiations 18 with Muni. 12 Earlier you had asked did we communicate any of this. As I think with you here, my recollection is becoming 12 clearer. I participated in helping the attomays to 22 understand this point. To what extent and how they domaunicated that to the City, I don't know. Q Now, in this listing of the responsibilities that 17 the City would undertake if it joined CAPCO, was there any engineering economic studies of what would happen in CAPCO 10 if the City joined? :0 There really weren't engineering economic studies, A 21 as such. 20.

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I think we went through the mental process I described awhile ago, when we seld we would take all of the Muni data and input it. On a weighted average basis, since they are one percent of the load, they would have a one percent

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| 7. | Our conclusion was that would be a mini |
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| 3 | effect on the rest of CAPCO. What CAPCO would do in the |
| | one-system study would be the same whether it had thein |
| 5 | Muni system or not. That is what the one-system study yould |
| 5 | say would be about the same. |
| 2 | Q What you really are saying is on the basis |
| 8 | of judgment you made that determination without making am |
| 5 | actual study? |
| (0) | A That is right. |
| | Q Getting back to the point in time when CEI made |
| 13 | a determination what is response to the City's request |
| 13 | for membership in CAPCO would be, do you recall attending |
| . 3 | a CEI company meeting on August 8, 1973 attended by |
| -5 | Mr. Rudolph, Mr. Ginn, Mr. Williams, Mr. Hauser, Mr. Lansdale, |
| 78 | Mr. Charnoff, Mr. Davidson, r. Lester? |
| 17 | A I can't recall exactly the specific date, et |
| 63 | cetera, but I presume from what you are reading, there |
| 19 | was such a meeting, and I can visualize there would have |
| 10 | been, to determine what our response was on this proposal. |
| 21 | Q Do you recall at that point it being decided |
| 22 | that the company should refuse to Cleveland its becoming |
| 23 | a member of CAPCO? |
| 24 | A No, I don't recall it. I'm not saying it didn't |
| 25 | Happen, but I'm saying I don't recall it. |

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| 1 | Q Is ownership in CAPCO units determined by the |
| 2 | P over N method? |
| 3 | A Yes. You are talking about if we were doing it |
| 4 | now. We have changed the system over the time. |
| 5 | But the last time we calculated ownership in the |
| 5 | units, which is when we allocated the last six units, |
| 7 | it was done by the P over N method. |
| 3 | Q Ara you talking with the calculation of |
| 3 | of capacity responsibility or the actual ownership of |
| 0 | the unit? |
| | A. The last time what we did was this: The last |
| 2 | six units were committed all at the same time. |
| 3 | Two units at Erie, two units at Davis-Besse 3 and |
| 14 | 4 and two units at which were they at any rate there |
| 15 | were six of them, all committed at the same time. We calculated |
| 16 | equal P over N for the last unit. That is for the year the |
| 17 | last unit world be in service. |
| 13 | We determined what the percentage ownership |
| .9 | should be in all six units to achieve equal P over N for |
| 20 | that last year. |
| 21 | Then we had agreed in advance they would accept |
| 22 | the same percent ownership in each of the six units. That |
| 23 | is precisely the same. |
| 34 | Then we would have buys and sells which we claled |
| 25 | tentative buys-sells. The intervening years between the |
| 2.0 | 7th and 8th units and 8th and 9th and so forth. |

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| | bw4 | In the end it would come out exactly zero, if | |
| | | we forecast everything right on the nose. We also | |
| | 3 | agreed to the annual trime calculation or buy-sall. | |
| | 1 | agreed to the annual tring below attribut of say-solar | 영영지를 |
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| 1 | Q Total ownership was determined by P/N, but with |
| | respect to certain units, it was negotiated? |
| | A No, it was agreed we would have the same parcentage |
| | for all units. What P/N gave us for the total of the six |
| | we would use that for each of the six. |
| | Q That would be the same as if you calculated it |
| | with the P/N for each individual unit? |
| | A Close, but not exactly the same. One of the main |
| | reasons for this was the concern about slightly differing |
| 1 | percentages in different units and just the bookkeeping |
| 1 | complexities, et cetera, which is what we had in the |
| 1 | previous units. |
| 13 | We said everybody owned the same percentage, and a |
| 14 | lot of things will be a lot easier. Things were hard |
| 12 | enough so we concluded making them a lot easier would make |
| 16 | them desirable. |
| 12 | Including ownership in nuclear fuel, for example. |
| 10 | Q If a system doesn't agree enough to need that |
| 10 | percent that is determined, it still has to buy that |
| 20 | percent of the unit; but then it sells megawatts; is that |
| 21 | correct? |
| 22 | A That's right. |
| 23 | You mean if the load forecast turns out to be |
| 24 | wrong? |
| 25 | Q Correct. |
| | |

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| 1 | A Yes. |
| 2 | Q What coal-fired plant does CAPCO now plan to |
| 3 | build? |
| 5 | A Three different generating units at the Mansfield |
| 5 | Plant. |
| 5 | Q Those are all currently planned? |
| 7 | A Yes. |
| 3 | Q Are they currently all under construction? |
|) | A Yes. |
| :0 | Q When was the last one committed to construction? |
| 21 | A I think that Mansfield darn, I wish I would |
| 12 | remember whether Mansfield 3 was one of those last |
| 13 | six or not. Let me count them off here. |
| ., | The first four, Beaver Valley 2 Perry 1 and |
| 15 | 2. I think Mansfield 3 was not one of those last six |
| 16 | units. It would have been committed beyond around 1970 or |
| .7 | 50. |
| 13 | I have trouble with all of these dates on all of |
|) | these units. That is easily determinable, but I don't |
| .20 | have it in my head. |
| 21 | Q All the units committed since Mansfield have been |
| 22 | nuclear? |
| 23 | A Yes. |
| 24 | Q You indicated that if MELP were in CAPCO |
| 25 | and they were making a one-system study, that the results |
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| 1 | might not be what the City had wanted, or what the City |
| 2 | would choose if it were making the study to fit its position? |
| 3 | A Yes. |
| 4 | Q Could that happen and the result still be better |
| 3 | than a plan for the City isolated? |
| 3 | A It would be better than a plan for the City |
| 7 | isolated, yes, but it might not be as good as if the City |
| 3 | accepted the proposals that CEI has made. |
| э | MR. HJELMFELT: I move to strike that last part |
| 10 | of the answer as being nonresponsive. |
| +t | CHAIRMAN RIGLER: Granted. |
| 12 | BY MR. HJELMFELT: |
| 13 | Q Did the City once ask for firm power and |
| 14 | have that request refused? |
| 5 | A Did the City once ask for firm power and have it |
| 16 | refused? |
| 17 | I don't recall. Maybe you can refresh my memory. |
| 10 | Q Do you recall whether CEI ever responded it didn't |
| 53 | have any power to sell to the City? |
| 20 | A In connection with the Federal Power Commission |
| 21 | case, when the City was asking for emergency power, |
| 22 | specifically when Mr. Hinchee was the director and testifying |
| 23 | at the Federal Power Commission, we made it very clear that |
| 24 | our understanding of emergency power was that it would be |
| 25 | sold when, as, and if available. And that we would not |
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| 1 | guarantee that this would be firm power. And that the rate |
| 2 | should be based on that premise. And we wanted to be sure thet |
| 3 | Mr.Hinchee and the Muni system understood that that was |
| 4 | the kind of power they were asking for, and that was the kind |
| 5 | of power we were willing to provide. |
| 3 | Q In 1974, did the City request firm power and you |
| 7 | write back a letter to the City saying that CEI didn't have |
| З | any firm power to sell, or was unwilling to make a sale |
| Э | of firm power? |
| 10 | A That well could be. |
| .1 | Q Has the City ever been offered an opportunity |
| 12 | to participate in all CAPCO units? |
| 13 | A What was offered was an opportunity to participate |
| 14 | in every unit they asked for participation in. What |
| 3 | they didn't ask, I don't believe we offered. |
| 3 | Q With respect to CEN's offer to sell a portion |
| 7 | of its share in the CAPCO units to MELP, did the |
| .0 | other CAPCO membars agree to make an adjustment in CEX's |
| 19 | share in the event that that sale occurred? |
| 20 | A They agreed to consider an adjustment in CSI's |
| 25 | share and, of course, through the buy-sell arrangement, we |
| 22 | were all committed to make an adjustment in the share at least |
| 23 | through the buy-sell arrangement. |
| | O New Jean the second to be |

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24 Q Now, does the unanimity rule apply to -- let me 25 start over.

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Is it necessary for a member of CAPCO to get permission of other CAPCO units -- CAPCO members to engage in joint ownership of generation with a nonUAPCO member? A What the contract says, what the CAPCO memorandum of understanding says is that we will not enter into an arrangement with third parties if they adversely affect the other members of (AP 10. So applying that specific statement to the

hypothetical case you suggest, if you could make this 9 arrangement without adversely affecting the other parties, 10 you could do it unilaterally; if it advarsely affected the 11 other parties, you would have to somehow take care of that 12 adverse effect before it would belegal for you to make 13 that agreement without violacing the memorandum of under-1.2 standing. 5

CHAIRMAN RIGLER: I'm going to call a short 16 break. Please don't leave the room. I will be two or 17 three minutes. 13

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(Pause.)

MR. HJELMFELT: Could I have my last question. :20 please? 25 (Whersupon, the reporter read from the

record, as requested.) 23

BY MR. HJELMFELT: 21

> 0 Who would determine whether there was an adverse

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effect?

A Well, obviously the company would -- that is we would make the initial determination and we would tell CAFCO what our conclusion was.

Q Would most -- wouldn't all joint ownership arrangements have an effect on CAPCO?

A I think that practically speaking, if you are
talking about selling a piece out of our capacity, it would
have an effect on CAPCO, because the amount of power
available for CAPCO would be reduced.

So that I think what would happen would that we would report that. We would point out that the pool is less. We would point out that the trim calculation, buysell calculation will adjust our shares and that either we think this is a material effect or it is not a material effect.

It would probably depend on whether CAPCO were long or short on capacity. If CAPCO already had more capacity than it needed to meet its planning criteria, then the effect would be minimal or perhaps even favorable. If it were short of capacity, then the effect would be adverse.

22 Q Has CAPCO generally been short of capacity? 23 A CAPCO was short of capacity for several years, 24 and we are now entering into an area -- let me take three aspects:

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| | 1 | We ware short for some time. We even put in extra |
| | 2 | gas turbines or combustion turbines to make up for the |
| | 3 | shortage. |
| | 4 | Then we deferred units and said we are going to be |
| | 5 | short in the future. And the loads developed as rapidly as |
| | S | expected. |
| | 7 | So we began to be long. Right now we expect to be |
| | 3 | long on capacity for the next several years. So the situa- |
| | 9 | tion changes, I guess, in answer to your question. |
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| 6 | 1 | Q So that delay of the Davis-Besse 1 Unit going |
| | 2 | into operation wouldn't affect the capacity wouldn't |
| | 3 | endanger capacity in the CAPCO area? Or wouldn't enganger |
| | 4 | reliability, I should say. |
| | 5 | A. The unit was supposed to go in December of '74. |
| | 6 | We had adequate capacity in 1975 and we expect to |
| | 7 | have adequate capacity in 1976, even though the unit is not |
| | 8 | expected to be commercial until early in '77. |
| | 9 | Q You expect to be long on capacity in 1977? |
| | 10 | A We expect to be long, assuming that Davis-Besse |
| | 11 | and Beavery Valley are both in service. Beaver Valley 1. |
| | 12 | Q Now, assume a joint ownership agreement between |
| | 13 | a CAPCO company and a non-CAPCO entity which does not involve |
| | 14 | a sale of CAPCO capacity. |
| | 13 | Would that have an sffect on CAPCO? |
| | 13 | MR. REYNOLDS: Let me have that question back. |
| | 17 | (Whereupon, the reporter read the pending |
| | 13 | question, as requested.) |
| | 19 | THE WITNESS: Are you talking about an existing |
| | 20 | joint arrangement or new one? |
| | 21 | MR. HJELMFELT: A new one. |
| | 22 | MR. REYNOLDS: Joint ownership arrangement in |
| | 23 | what sense? |
| | 24 | BY MR. HJELMFELT: |
| | 25 | Q Suppose that the parties agree to jointly construct |
| | 11 | |

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1 an operating unit? bw2 2 Inasmuch as it would increase our capacity, if A 3 we jointly own the unit with some third party, a new unit, 4 then that extra capacity brought into CAPCO, would not 5 adversely affect the other parties in CAPCO. 6 It might favorably affect them, but it wouldn't 7 adversely affect them. 8 Have I answered your question? 3 I'm not sure I understaood your question, but if I 10 haven't answered it, let me make it clearer or have I 11 answered it? 12 I think you have answered it. What is typical a 13 in the industry? 14 For what? A 15 Q How do you know when something is typical in the 16 industry? 17 Oh, I would say you would say something was typical A 13 in the industry, if it was a widespread practice. 19 If a lot of companies similarly situated were 20 doing it. 21 So that if a lot of parties are wheeling power, a 22 that is typical in the industry? 23 A Yes. 24 Q How many would it take to be a lot? 25 I don't know how many it would take to be a lot. A.

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| bw3 i | It is a judgment kind of a thing . that you really have to have |
| 2 | specifics in order to form the judgment. It is very difficult |
| 3 | to exercise judgment on a loosely defined hypothetical. |
| 4 | Are you aware of wheeling in the OVEC agreemant? |
| 5 | A Yes. |
| 6 | Q Are you aware that PGEE wheels California |
| 7 | Valley power? |
| 3 | A I wasn't aware of that. |
| 0 | Q Are you aware of N.M. Public Service Company |
| 10 | wheals for Plains Electric Co-op? |
| .11 | A NO_ |
| 12 | Are you aware that the Southern Company wheels |
| . 13 | SEPA power? |
| 14 | A Yes. |
| 15 | Q Do you know any other companies that wheel SEPA power |
| 16 | or groups of companies? |
| 17 | A. I'm not sure. |
| 10 | CHAIRMAN RIGLER: Do you want to spell SEPA power |
| 19 | for the reporter? |
| 20 | MR. HJELMFELT: S-E-P-A. |
| 21 | MR. BUCHMANN: Could I inquire if the Witness |
| 22 | knows what it is? |
| 23 | THE WITNESS: Southern Power Administration, I |
| 24 | think. |
| 25 | |
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| arl 1 | Q Are you aware that PENELC has agreed to wheel |
| 2 | PASNY power? |
| 3 | A No, I wasn't aware of that. |
| ž, | Q Are you aware that ISM has agreed to wheel power |
| 5 | for Richmond, Indiana? |
| 6 | A No. |
| 7 | Q Are you aware that Ohio Power has agreed to wheel |
| 3 | power for Richmond, Indiana? |
| 9 | A I had heard it was being considered, but I |
| 10 | wasn't aware it had been finalized, if it has been. |
| 11 | Q Are you aware that Louisiana Power & Light has |
| 12 | agreed to wheel power by, between, and among municipa. |
| 13 | systems in Louisiana? |
| 14 | A No. |
| 15 | Q If, in fact, all of these wheeling transactions |
| 15 | exist, would that be typical in the industry? |
| 17 | A I don't know. |
| 13 | Q With respect to the December 7, 1973 mosting, do |
| 19 | you know when Ohio Edison and Penn Power contacted Mr. Endoupt |
| 20 | with respect to their response to the City's request? |
| 21 | A Not precisely, but I think it was fairly promptly. |
| 22 | Q Do you recall whether it was on the same day of |
| 23 | the meeting? |
| 24 | A I believe that Ohio Edison indicated their |
| 25 | probable answer. I'm not sure whether ney were giving it as |
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| | 1 | BY MR. HJELMFELT: | 20 0 1 2 2 |
| | 2 | Are you aware that New York Utilities wheel | |
| | 3 | PASNY power? | |
| | 4 | A Yes, I think so. | |
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| ar2 | 10,457 |
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| 1 | a definitive answer or whether they were talling us how |
| 2 | they were leaning. |
| 3 | Q Was their answer a cefusal? |
| 4 | A I think the essence of their answer was we |
| 5 | wish you people could handle the problem. The heart of |
| 5 | everybody's feeling in the CAPCO arrangement really was, |
| 7 | "CEI, why don't you talk to these Cleveland Muni people and |
| 8 | see if you can work out a proper, equitable solution?" |
| 9 | Whatever the fancy words that were said, I think that was |
| 10 | the heart of the answer. |
| 11 | Q With respect to the Borough of Pitcairn, I believe |
| 12 | you indicated that CEI didn't think Pitcairn understood |
| 13 | what CAPCO was all about; is that correct? |
| 14 | A That's right. |
| 15 | Q Would it have helped Pitcairn to understand |
| 16 | CAPCO if it could have looked at a copy of the memorandum |
| 17 | of understanding? |
| 18 | A It might have helped, but I think they would |
| 19 | have been better off to talk with somebody who understood, |
| 20 | Q Are you aware that CEI refused to provide a copy |
| 21 | of the memorandum of understanding to Pitcairn? |
| 22 | A On the contrary, I thought we offered to sit |
| 23 | down and discuss it with them. |
| 24 | Q Did you offer to show them a copy or provide them |
| 25 | a copy? |
| | |

| ar3 | 10,458 |
|-----|--|
| 1 | A I don't know whether we offered to provide them |
| 2 | a copy or not. |
| 3 | Q You spoke of deferring units to prevent CAPCO |
| 4 | from obtaining the deferral of CAPCO units for financial |
| 5 | reasons. Did that prevent CAPCO from obtaining optimum |
| G | coordination? |
| 7 | A No, it didn't prevent obtaining optimum coordina- |
| 8 | tion. What it did was reduce the total capacity that would |
| 9 | be available to serve the load. We still had the optimum |
| 10 | coordination of the capacity that was there. |
| 11 | Q Would the pool have been better off if it had |
| 12 | had that additional capacity? |
| 13 | A It would have been better off from a point of view |
| 14 | of reliability and worse off from the point of view of the |
| 13 | financial stability of the companies. |
| 16 | Q In considering what is the optimum coordination, |
| 17 | you consider factors of reliability? |
| 13 | A Yes. |
| 19 | Q Is there a theoretical optimum? |
| 20 | A No, the optimum contains a number of technical |
| 21 | aspects, but it contains a lot of judgment also. |
| 22 | So it isn't a thing that you can just grind through and |
| 23 | out pops an answer. It takes a lot of interpretation and judg- |
| 24 | ment to determine what is optimum also. That judgment can |
| 25 | differ. |

| 5 | 10,450 |
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| 1 | Q Was that gentlemen's agreement reached at the |
| 2 | December 7 meeting? |
| З | A I don't recall. It was discussed and that seat of |
| А | conclusion reached at one of the executive committee |
| 5 | meetings, but I'm not clear in my mind which one it was. |
| 6 | MR. HJELMFELT: I have no further questions. |
| 7 | CHAIRMAN RIGLER: Mr. Smith has a question or |
| 3 | two at this time. |
| 9 | MR.SMITH: Mr. Williams, I think that I did not |
| 10 | follow too well some of the testimony in relation to |
| 11 | allocation of capacity responsibility in CAPCO, and I would |
| 12 | like you to help me understand it better. |
| 13 | When you use the term "equal percentage" in |
| 14 | your testimony, what do you mean by that? I think dr. |
| 15 | Hjelmfelt used it in his question. |
| 16 | THE WITNESS: We have talked about equal percent |
| 17 | reserve, and we have talked about equal P/N. |
| 13 | MR. SNITE: Equal percent reserve, what do you mean |
| 19 | by that? |
| 20 | THE WITNESS: Equal percent reserve, I mean a |
| 21 | situation in which each of the companies has the same percent |
| 2? | reserve. |
| 23 | By percent reserve, I mean the |
| 24 | MR. SMITH: Percent of peak? |
| 25 | THE WITNESS: Percent of peak on the highest |
| | |

ar5

| ar6 | 10,451 |
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| 1 | load day of the year. |
| 2 | MR. SMITH: Okay. |
| 3 | Was it your testimony that V/N was computed |
| 4 | based upon what it would be at the end of the complation |
| 5 | of the six units? |
| 5 | THE WITNESS: What I was trying to say was |
| 7 | that in order to allocate the ownership responsibility in |
| 8 | those six units, we said let's go out to the hypothetical |
| 9 | the expected action planned, forecast in-service date of |
| 10 | the last of these units. Let's calculate what total |
| 11 | generation would give each of the companies equal P/N. |
| 12 | Then let's that will determine the total mega- |
| 13 | watts out of the six units. |
| 14 | Let's allocate that among the six units so that |
| 15 | each company gets exactly the same ownership in each of the |
| 13 | six units. |
| 17 | MR. SMITH: When the final unit goes on line, your |
| 13 | P/N and your equal percent reserves would be the same, |
| 19 | wouldn't it? |
| 20 | THE WITNESS: Not at all. |
| 21 | MR. SMITH: Would it be close? |
| 22 | THE WITNESS: Not necessarily. The percent |
| 23 | reserve basically looks only at the installed capacity and |
| 24 | the load on the highest day of the year. The P/N method is |
| 25 | much more sophisticated approach which takes into account |

| | ar7 | .0,452 |
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| | | the forced outage rates, the sizes of the various unics, |
| | 2 | the maintenance schedule, the relative reliabilities of |
| 6. | 3 | the units. |
| | 4 | It takes into account the load on the other 364 |
| | 5 | days of the year. |
| | 3 | It calculates by a computarized methor the likeli- |
| | 7 | hood on any given day of being long or short, and of each |
| | 8 | party's being long or short. |
| | 9 | It calculates that hypothetically for every one |
| | 10 | of the days of the year. It adds all of that together. |
| | 11 | On a day it is long, it is positive times so |
| | 12 | many megawatts a day. |
| | 13 | On a day it is short, it is a negative. |
| nd 28 | 14 | |
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329 1 It adds up the positives and negatives and 3811 G. puts those together. 3 The percent reserve method is the sort of 5 thing you can do with a slide rule in 30 seconds, 3 You take a look at the load on the highest 弱 single day. You ignore the rest of the factors. 7 The generation on the highest single day. The (1) difference between the two numbers divided by the load is the 3 percent reserves. So the two methods are poles apart in :0 terms of what is involved and what is considered and so on. 5 1 If they came out with the same answer, it would 12 be sheer coincidence. 13 MR. SMITH: Dessn't application of ? over N approach 12 equal percant recerves? 127 THE WITNESS: If all of the capacity on the system were owned by all of the companies; in the same G percantage, then the two methods would approach the same 17 13 answer. 19 Although, to be the same, not only would the 20 capacity have to be the same, but the load patterns would have 23 to be the same also. 22 That is the ratic of the hottest peak load, highest peak load on a hot day in the summer to the lowest 23 peak load on a cool day, that ratio would have to be the 24 same for all companies also. They do approach each other. 25

1 The more units that are jointly-owned and the more you retire the old, individually-owned units, they approach bw2 2 3 each other. But they wouldn't reach each other unless the 4 " i capacity and load characterisations are the same. MR. SMITH: Are they ganerally close in the peak 5 7 load days in CAPCO? You have similar systems, don't you? 3 THE WITNESS: The variation is more than one might 9 expect. The heavily industrialized areas are different than 10 those that are less industrialized. 11 Our forecasts are different. If you look at 12 only the 12-monthly peak loads, CEI, for example, has forecast 13 the other 11 monthly peak loads closer to the system poak 14 than some of the other companies have. 15 MR. SMITH: Does equal percent reserves anticipats 16 a percent of the CAPCO peak or the individual entities' 17 peak? 18 THE WITNESS: Equal percent reserves would mean that 19 each entity, separately calculated, was the same as each other 20 one. That is what we mean by equal in equal percent 21 22 reserves. If everybody had same percent reserves, then the 23 total would be the same also. 24 MR. SMITH: In reference to whose peak? 25

| bw3 | | THE WITNESS: Each one in reserves to its own |
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| 1.14.2 | 1 | |
| | 2 | MR. SMITH: Which may or may not he the same |
| | 3 | |
| | 4 | to each other? |
| | 5 | THE WITNESS: Let me back up a minute. |
| | ô | MR. SMITH: We have different peak days? |
| | 7 | THE WITNESS: Yes. CEI would calculate its |
| | 8 | parcent reserve on the basis of its peak load, whatever |
| | 9 | day it occurs to its capacity on that day. |
| | 10 | Duquesne would do the same, Chio Raison and Tolodo |
| | 11 | Edison. Those might be four different days. When you calculate |
| <i>`</i> | 12. | that percent number, if you adjusted the capacity so as to make |
| | 13 | those numbers equal, you would be using the so-called equal |
| | 14 | percent reserve method. |
| | 15 | MR. SHITH: When you apply your uniform P over |
| | 16 | N to your first unit, isn't the effect of that to depart from |
| | 7 | P over N and to approach percentage reserve? |
| | 18 | A. There is no relationship between the ? over N and the |
| | :9 | percent reserve. |
| | 20 | It departs from equal P over N, presumably, |
| | 21 | by a small amount. It isn't necessarily closer than or |
| | 22 | farther than equal percent reserve. |
| | 23 | MR. SMITH: Could it be Satther than? |
| | 24 | THE WITNESS: It could be. It could be farther |
| | | than. I wouldn't know without making the calculation both |
| | 25 | |
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| | | |

| | ways, which it turned out to bo. |
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| 2 | MR. SMITH: It is my impression, statistically, |
| 3 | that it could not be ferther than. That it would approach. |
| 4 | That is why I asked you the quastions. |
| 5 | Thank you. |
| 6 | THE WITNESS: I don't think you could say, or |
| 7 | let me say, I don't think I could say with any confidence |
| 8 | which wey it would be. |
| 9 | CHAIRMAN RIGLER: Is there further cross-exclassion? |
| 10 | MR. MELVIN BERGER: Yes, there is. |
| 11 | Would this be an appropriate time for a lunch |
| 12 | break? |
| \$2 | CHAIRMAN RIGLER: Lot's go off the record. |
| 12 | (Wheraupon, at 12:55, the hearing was recessed, |
| 5 | to be reconvened at 2:00 p.m., this same day.) |
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| arl 1 | AFTERNOON SESSION |
| 2 | (2:00 p.m.) |
| з | Whereupon, |
| a, | HAROLD L. WILLIAMS |
| 5 | resumed the stand and, having been previously duly sworm, |
| 6 | was examined and testified further as follows: |
| 7 | CROSS-EXAMINATION (Continued) |
| 3 | BY MR. CHARNO: |
| 9 | Q Mr. Williams, did you review any materials |
| 10 | prior to your testimony right now? |
| 11 | A Yes. |
| 12 | Q Can you tell us what those were? |
| 13 | A You say prior to; you mean in the last 10 minutes, |
| 14 | or the last 10 weeks? |
| 15 | Q Anything that you used to refresh your recollec- |
| 16 | tion prior to testifying. |
| 17 | A I reviewed very briefly a considerable amount of |
| 13 | correspondence and so forth from my files that had been |
| 19 | assembled by counsel. |
| 20 | When I said "very briefly," I mean I leafed |
| 21 | through the pages. I looked at the minutes of some of the |
| 22 | CAPCO executive committee meetings. I talked, of course, |
| 23 | with our attorneys. And I asked just a few questions, but |
| 24 | very few, of others inside our company to help refresh my |
| 25 | recollections. |
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| ar1 5 | 10,509 |
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| 1 | to date on the unit they wanted to buy power in. If they |
| 2 | want to be a 5 percent owner in the unit and some dollars |
| . 3 | have already been invested, I would expect tham to pick up |
| • 4 | the 5 percent of the dollars invested with the interest on |
| 5 | it. |
| and 41 5 | |
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| 4 | (Whereupon, the reporter read the |
| 2 | pending question, as requested.) |
| 3 | MR, LESSY: Let me rephrase it. |
| 4 | BY MR. LESSY: |
| ő | Q If a utility were to come into CAPCO coday |
| 6 | lat's say Detroit Edison fell out in Michigan and |
| 7 | said, I wan't CAPCO, everything. They came in and watte |
| 8 | willing to pay fixed charges for, say, Saamis 7 and Eastlake |
| 9 | 5 units which were installed seven or eight years ago. |
| 10 | Would you then be willing to give access or owner- |
| 11 | ship parts in those two units to the new members? |
| 12 | A I don't know whether we would or not. I think that |
| 13 | would take a lot of careful and deep study before we would know |
| 14 | One of the important things sith respect to |
| 5 | existing capacity, for example, as contrasted with projected |
| 16 | capacity is it is built, known and we know what the costs are. |
| 7 | With the prospective there are many uncertainties, |
| 18 | et cetera. |
| 19 | It is one thing prospectively to cous in from the |
| 0 | very beginning and take all of the risks of ownership in a |
| 21 | unit. It is something else to wait until the unit is |
| 22 | successfully operated and say, okay, new I will take a piece |
| 23 | of the unit. Now, that I know it is successful, et cenera. |
| 24 | All of the risk has been taken by the present |
| 25 | owners and whether we would be willing to sall part of those |
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| | 10,513 |
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| 1 | what are the benefits of making the sale? Those are |
| 2 | all things you have to define and guite clearly before you |
| £13 | could answer the question of whather we would be willing to make |
| 27 | the sale or not. |
| 5 | Q If one of the municipal electric systems canted |
| 6 | to come in to a unit that ws two-thirds under consuraction, |
| 7 | do you feel it would be necessary to sell part of CII |
| 3 | share on a profit basis or just on a cost racovery basis? |
| 9 | Say 30 megawatts? |
| :0 | A I don't see that the situation would be any |
| 11 | different if it were a municipal than if it were Detroit |
| 12 | Edison. There has got to be a benefit in it to us of the |
| 13 | transaction or why should we make it. |
| 14 | Q Well, if you - say the municipal electric |
| 15 | system came in for 30 megawatts of a plant that was two-thirds |
| 16 | under construction, and you recovered all of your costs. |
| 17 | What else would there be to base your profit on? |
| 18 | If you fully recovered your costs, what would you want to band |
| 19 | your profit on? |
| 20 | 1 The illustration is so strange to matchat I |
| 21 | just really don't know how + answer it. In any transaction, |
| 22 | if I was building an apartment building, and somebody erms |
| 23 | along and said, I would like to buy a suite of the |
| 11 | |

condominium, what won's you base your selling price on, other 25

2.4

than cost and why wouldn't you be willing to

bw.

| : | 10,517 |
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| 1 | A You can treat than as one system if they are one |
| 2 | system. But if you just took the personnel that now work |
| 8 | for each of the various municipalities and put them |
| 4 | together in one room, that wouldn't make one anginearing |
| 5 | force. If they are one syste , you could treat them as |
| 6 | one system. If they are really several, you have to treat |
| 7 | them that way. I can't imagine, for example, that they |
| © | could send a representative to the executive committee ready |
| 3 | to commit Painesville, Cleveland, and whatever other entities. |
| 10 | I can't concede that Clevelani can send a representative |
| :1 | to the executive committee authorized to commit |
| 12 | Cleveland, |
| 13 | It is really incomprehensible to me that |
| 1.4 | anybody could come to these meetings ready to commit all |
| 15 | of those cities. |
| :3 | Q Supposing they agr ad to have an engineering |
| 17 | firm represent their interest and this engineering |
| 13 | firm could bind them as much 53 your CAPCO representatives could |
| 13 | They were pooling their resources. Wouldn't that be one |
| 20 | way to do this feasibly? |
| 21 | MR. BUCHMANN: I assume you are not asking the legal |
| 22 | question as to whether Ohio municipalities can |
| 23 | delegate such power to an engineering firm? |
| 24 | THE WITNESS: Anything is possible, but the case |
| 25 | you are hypothesizing sounds so hypothetical that I can't |

ar:

| eak | 12 | A Yes. |
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| | 2 | Q Do you know when the fuel loading for Davis-besse |
| | 3 | is planned? |
| | 4 | A Fuel loading is planned this fall. |
| | 5 | Q Would the |
| | 6 | A Early fall. Late September or early October. |
| | 7 | I don't know exactly but that is about when. |
| | 8 | Q Would the participation of the Municipal |
| | 9 | Electric Light Plant : these nuclear units on the terms |
| | 10 | proposed by CEI be more beneficial to CEI than if the Municipal |
| | 11 | Light Plant becans a member of CAPCO? |
| | 12 | A Would they be more beneficial to CEI than if they |
| | 13 | became a member of CAPCO? In terms of straight dollars |
| | 14 | I don't think there would be very much difference. There are |
| | 15 | all these complexities of membership that do concern us. |
| 47 | 16 | Q In terms of those complexities, which would be |
| | 17 | more beneficial? |
| | 18 | A In terms of the complexities it would be more |
| | 19 | beneficial if CAPCO were not enlarged by adding anybody. The |
| | 20 | present CAPCO Committee structure, number of members is |
| | 21 | already difficult enough. So in terms of complexity, we would |
| | 22 | be better off if they would buy the power or make some other |
| | 23 | arrangements, short of memberabip in CAPCO. |
| | 24 | Q I believe you indicated in response to a question |
| | 25 | by Mr. C'arno that there are more companies committed to |

ar? 1 Did you review anything in the way of documentary 0 2 materials other than your own files? 3 A Well, it was material that had been assembled 4 for me by counsel, and it was material which either T wrote or received a copy of. So presumably it came from 5 5 my files. Although it is possible that some of the material from my files had been thrown away and this was a copy from 7 somebody else's files. 8 I didn't get it from my files. I got it from Э counsel. But it was material which I had seen before. 10 You mentioned the existence of memoranda 11 0 concerning nonCAPCO executive meetings of CAPCO personnel 12 with respect to MELP's request for a CAPCO membarship; is 13 that correct? 14 I'm not quite sure I understand. You mean A 15 meetings of the chief executives at times other than 15 the regular executive committee meetings? 17 0 I'm not sure what your testimony was. In 13 response to Mr. Hjelmfelt's questioning, you indicated you 19 had reviewed one or more memoranda concerning discussions 20 by CAPCO personnel of the City's request for CAPCO member-21 ship. 22 Is that a correct summary of your testimony? 23 You mean Cleveland or do you mean Pitcairn? A 24 I mean the City of Cleveland. 0 25

| 1 | A I have reviewed some correspondence related |
|----|---|
| 2 | to that, some internal company memos, a few, I would say. |
| з | Q Could we make do you have those here with you |
| 4 | today? |
| 5 | A No, I don't. |
| 5 | Q Do counsel have those available for our |
| 7 | inspection? |
| з | MR. BUCHMANN: I must confess, Mr. Charno, I do |
| 9 | not know to what Mr. Williams is referring. But we will |
| 10 | check and we will advise you if it is something you already |
| 11 | have, or if it isn't something you already have, and it is |
| 12 | not privileged, we will produce it. |
| 13 | MR. CHARNO: Thank you. |
| 14 | BY MR. CHARNO: |
| 15 | Q Mr. Williams, do you recall any meetings of CAPCO |
| 16 | personnel when the possible participation of APS in |
| 17 | CAPCO was discussed? This would have been prior to the |
| 13 | signing of the memorandum of understanding. |
| 10 | A I am a little hazy on whether it was actually |
| 20 | discussed at an executive meeting or whether it was |
| 21 | internal, but I think we spoke about the possibility that |
| 22 | first of all, we did speak about the fact that Duquesne |
| 23 | Light had a jointly-owned unit with APS. So cartainly the |
| 24 | question of APS being involved was considered at the time. |
| 25 | Whether it was considered with the CAPCO |

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| ard | 10,470 |
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| 1 | executives as such, I'm not quite clear. The general tenor |
| 2 | of the thing, it seems to me, was that Duquesne was considering |
| 3 | whether to join with us or with APS, rather than whether |
| 4 | APS should join the CAPCO group. |
| 5 | But you are sort of asking me to recall what |
| 5 | Duquesne was thinking and doing, and that is a little hazy. |
| 7 | Q You have no personal recollection, then, of |
| 3 | CAPCO meetings or meetings of representatives of the |
| Э | companies which ultimately formed CAPCO where APS participa- |
| 10 | tion was discussed? |
| 11 | A Not very clearly. It may or may not have been. |
| 12 | I certainly have no clear recollection of it. |
| 13 | Q When CEI approached the PJM pool, what method |
| 14 | of reserve calculation was the PJM pool using? |
| 15 | A It was a relatively simple method. I don't |
| 15 | know whether it was equal percent reserve or not, but it was |
| 17 | a relatively simple method. |
| 13 | It was nothing as intricate as what CAPCO is now |
| 19 | using. |
| 20 | Q Sir, you have testified that CAPCO utilizes |
| 21 | compulsory arbitration to resolve differences. What would be |
| 22 | the scope of that agreement? What differences could be |
| 23 | resolved by compulsory arbitration? |
| 24 | A The contract provides ofor it. It has nover |
| 25 | been called into play, but the kind of things one might |

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| 1 | expect there to be differences on would be the results of a |
| 2 | one-system study of what is the right kind of capacity, size, |
| 3 | type location, at catera. Or as I mentioned, the number |
| 4 | of times we have changed the situation. |
| 5 | I talked about the need for flexibility because |
| 6 | of changed circumstances where the contract originally |
| 7 | envisioned doesn't fit the circumstances you find yourself |
| 8 | in because of an unforeseen situation. |
| 9 | If we were not able to agree on a solution to |
| 10 | that kind of problem, this could be taken to arbitration. |
| 11 | Q Does that represent another alternative to with- |
| 12 | drawal or agreement? |
| 13 | A Yes, it does. |
| 14 | Q Is the provision for compulsory arbitration still |
| 15 | in effect today? |
| 16 | A Yes. |
| 17 | Q Sir, could you tell us the impact that compulsory |
| 13 | arbitration would have upon what you previously described |
| 19 | as a veto power of one member over the others' actions? |
| 20 | A Well, it certainly does constitute an alternative. |
| 21 | And the parties who were trying to move or take action could |
| 22 | go to arbitration as an alternative to withdrawal or |
| 23 | reforming the pool in some other way, or something of that |
| 24 | sort. |
| 25 | When I was listing alternatives, you are correct, |

| ar6 | 10,472 |
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| 1 | I should have included it. |
| 2 | Q Can a company that doesn't like the rule of |
| 3 | compulsory arbitration still withdraw from CAPCO? |
| 4 | A Yes. |
| 5 | Q What triggers that compulsory arbitration |
| 3 | mechanism? Can one party individually request it? |
| 7 | A I believe so, although this hasn't been used and |
| 8 | it was a long time back. It is not a part of the contract |
| э | that I'm right close on. But I believe that one party can |
| 10 | request it. You can certainly review the contract, and it |
| 11 | speaks for itself. |
| 12 | Q When did CEI approach PJM? Do you recall? |
| 13 | A It would have been after the Senaca Plant vent |
| 14 | into operation. Seneca is the jointly-owned plant with |
| 15 | Pennsylvania Electric Company. And before we joined the |
| 16 | CAPCO pool. |
| 17 | It would have been 1963, '64, possibly early |
| 13 | 1965. |
| 19 | Q What was the state of technology in terms of the |
| 20 | largest scale unit that could be built at that time? |
| 21 | A About 900 megawatts. I think Con Edison may |
| 22 | have, probably did by that time, have their 1000 megawatt unit, |
| 23 | which was the biggest in the world, and many people thought |
| 24 | too large. I think 900 was the largest that anybody |
| 25 | else had committed. |

| | ar7 | 10,473 |
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| | 1 | Q I believe you testified in response to one of |
| | 2 | Mr. Hjelmfelt's questions that extra capacity brought |
| | 3 | into CAPCO would not adversely affect the other members of |
| • | 4 | CAPCO; is that correct? |
| | 5 | A Yes, that's right. |
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| L ; | a manufit and a short building in their generics |
| a | Q. How would you go about bringing in that capacity |
| 1 | to CAPCO? |
| 3 | A Well, I think his hypothetical example was, if |
| -3 | we went jointly with somebody else cutside of CAPCO and |
| 3 | committed a unit there itself, and them came to CAPCO and |
| 6 | said we have this capacity, I think that is what we ware |
| 10 | referring to by bringing it into CAPCO. |
| 0 | Q Would you be credited for that capacity by CAP 30? |
| 91 | A Well, that is the greation. I might illustrate, |
| 1 0 i | if I may, with another example that is more real than |
| 13 | hypothetical, and that is the situation some years ago when |
| 12 | we purchased a power plant, an existing operating power |
| 13 | plant from the Union Carbide Corporation, about 200 magawatte |
| 145 | or so. |
| 15 | At the time, we did it unilaterally, and we didn't |
| 15 | ask CAPCO if it was all right forus to buy this plant. |
| 17 | We did come to CAPCO to discuss the question of |
| 18 | how we would get credit for it. There again, we needed |
| 19 | give-and-take flexibility, because that isn't provided for |
| 20 | in the memorandum of understanding either. |
| 21 | What was finally worked out, in essence, was that |
| 22 | to the extent that CAPCO was made long by this entra |
| 23 | capacity, we would not get credit for it. When the time |
| 24 | arrived when CAPCO needed additional capacity, we would then |
| 25 | start taking credit for it, we would start using it, make |
| | |

S31 bwl

b ;2 it available to CAPCO and CAPCO would give us credit for it. That was the result of a sort of ad hoc working out. There is 2 nothing in the memorandum of understanding that actually 3 deals with how you handle that kind of situation nor in any 14 of the other contracts. 5 Tht is an unforessen item where the parties 5 got together and said, well, how is the best way to deal 17 with this? 3 Let's go back to Mr. Hjolmfelt's hypothetical. a 3 If you came to CAPCO with 400 magawatts of power which 10 you acquired as your share of half of a joint project of 11 somebody outside of CAPCO, would that result in the other 12 CAPCO members having to take a largar share out of the 13 next unit than they would have otherwise, if they agreed to let 14 that 400 megawatts be credited to your company? 15 If they agreed to credit it to our company, then, A 16 of course, by crediting to our company, they credited it to the 17 total CAPCO Pool, as well, and the result would be the inverse 18 of what I was discussing with the Chairman about Duquesne 19 Light and a reduced load. 20 In this case the issuit of extra capacity for CBI and CAPCO pool, would be that the next unit would be smaller 22 or later. 23

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What if the next unit was imminent, that one 0 would assume if one was coming in with 400 megawatts in In other words it couldn't be rescheduled or revised hand.

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to any appreciable difference?

A The operation of the buy-sell arrangement that we do in July of each year for the following year, has a lot of factors in it.

We have talked about some of them. Another of the factors in there is if the pool is long we don't change the allocation from what it was originally.

So if this excess capacity, this 400 msgawatts makes the pool long, that it has more capacity than needed, we wouldn't make the buy-sell calculation and, therefore, it would have no effect. If the pool needed the capacity, then we would make the buy-sell calculation and the people would be adjusted.

If they need the capacity and there is not enough to go around anyway, people would get more than they otherwise have.

If they need capacity, they would welcome noro than they otherwise would have added.

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Q Assuming the pool is know and you and up with the 400 megawatts, how would you provide the reserves for that 400 megawatts? Nould that he provided by 3.200 resurvesharing, or would that he pour incorpaniest obligation?

A That would be our independence obligation . No would have to have adequate CASCO reserve, not constant this excess capacity, I believe.

One of the difficulties I have have is that we have -- we are to hypothesize that I'm guessing whet the other CAPCO parties would or couldn't agree to prior the circumstances.

When you compound hoo many of these guassian, in gets to the point where it is hard to ensure the quastion when it is that hypothetical. That is my difficulty. If I'm trying to guass. I can't tell you what the contract provides, because the contract doesn't provide for the situation that we are trying to discuss.

lgain assuming you are long and -- when I say 0 "you," I maan CAPCO. Assuring CAPCO is long and you some in 19 with the 400 megawatts and they let it in, demonst chas 20 have the effect of -- absent the agreement you apolts of 21 concerning the buy-sells -- lossn't that have the affect 22 of increasing the members' participation in subsequent units 23 and further increasing their reserve obligation for above 2A unics? 25

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| 1 | A By subsequent units, you mean units that are |
| 2 | committed subsequently? |
| 3 | Q No, I mean units that are presently committed |
| 4 | to come on line subsequently? |
| E | A Absent the buy-sell, that is before we had the |
| 6 | buy-sell arrangement, adding or subtracting capacity had no |
| 7 | effect on anybody else at all. |
| 8 | We had committed the capacity and that is what |
| Ð | you got. And whether you had more or less capacity wouldn't |
| 10 | affect the other companies at all. |
| 11 | As a matter of fact, the fact that it didn't was one |
| 12 | of the reasons some of the CAPCO parties wanted to have some- |
| 13 | thing li buy-sell arrangement. They said it should |
| 14 | affect |
| 15 | Q Can you tell us generally which years CAPCO |
| 16 | has actually been short and which years it has actually |
| 17 | been long since 1967? |
| 13 | A That data is available in many of our studies. |
| 19 | I'm not sure I can go back over the nine intervening |
| 20 | years and recall which are which. There are too many |
| 21 | numbers in there. I can't do it from recollection. It is |
| 22 | available in studies that have been done. |
| 23 | Q Is it possible for you to say that there were a |
| 24 | span of specific years in which CAPCO was short out of that |
| 25 | period? |
| | |

| - 1 | A There were a few years when we hurried to put in |
|-----|--|
| 2 | what we called short lead time capacity in order to avoid |
| 3 | being short, or in order to minimize the shortage. |
| 4 | Those years, I think, would have been in the |
| 5 | early '70s. |
| 3 | CHAIRMAN RIGLER: No are rehashing what he said |
| 7 | this morning too much, I think, right here. It seems to me |
| 8 | the last couple of questions and answers confirmed for the |
| э | second time his direct testimony. |
| 10 | MR. CHARNO: I'm sorry, Mr. Chelrman. I was |
| 11 | attempting to gat beyond and see if there was any recollec- |
| 12 | tion of factual material. |
| 13 | BY MR. CHARNO: |
| 14 | Q If at the time the CAPCO agreement was being |
| 15 | negotiated, CAPCO had been on notice that the City of |
| 13 | Cleveland would seek an interconnection agreement from |
| 17 | CEI, would that have had any effect upon your testimony that |
| 13 | CAPCO really didn't give particular attention to the |
| 19 | possibility of the City of Cloveland's membership in |
| 20 | CAPCO at that time? |
| 21 | A I have difficulty, really have difficulty with |
| 22 | the kind of question that says if something had been |
| 23 | different in 1967, would the discussion have been different. |
| 24 | I gess if that is the essence of the question, |
| 25 | the answer is it probably would have. The whole thing was |

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| 1 | a difficult and complex negotiation that involved all kinds |
| 2 | of considerations. The parties were not as close together |
| . 3 | as they are now, and now we have lots of differences of |
| • | opinion, et cotera. |
| 5 | So I guess if you insert some other factors |
| 5 | into the thing, it would have affected the answer. But to |
| 7 | go anything beyond that, and say how would have it, et |
| 8 | cetera, would be awfully conjectural. |
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Q You did testify, did you not, that one of the

primary reasons you did not consider MELP as a possible participant in CAPCO is bocause they waren't interconnected with any of the CAPCO companies?

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Yes, that is right.

6 Q So that if that circumstances were changed or 7 expected to be changed, would it be safe to assume they you 3 would give more serious consideration to their membership? 9 A. Certainly, if they had asked to be a member, we 10 would have considered it. Yes.

17 Q You testified this morning that the studies run 12 by CAPCO showed very large reserves would be required on the 13 MELP system. First, let me ask you, who ran those studies 14 that you are referring to?

A The Planning Committee of CAPCO, which is basically made up of one of the system planning people from each of the companies.

18 Q What was the reason that such large reserves 19 would be required on the MELP system?

A Primarily because of the large size of their
units, particularly their large unit in relation to load,
and also because of the forced outage rates that we assumed.
We didn't have data so we had to assume what the forced
outage rates would be based on general knolwedge, best judgment
of our system planning people.

S33 bwl

| 7 | Q Would the application of the formula at that |
|----|--|
| 2 | time have had a similar affect of Duquesna Light? |
| 3 | 1 Yes, to a lesser degree. There unit was large, |
| 4 | as a percentage of their load also, so it would have similar |
| 5 | effect, though not as marked. |
| 6 | Q Do you recall whether Duquesne Light, in fact, |
| 7 | was impacted in the manner that you have just indicated |
| 8 | by its participation in CAPCO , or whether some alternative |
| g | arrangement was adopted? |
| 10 | A The fact was that at the beginning, and I think |
| 11 | virtually every year since, Duquesne Light's required reserve |
| 12 | under CAPCO as a part of their load was larger than the |
| 13 | other companies. I think they were the largest of any of |
| 4 | the fourt then, and almost every year. |
| 15 | Q Is that percentage as large as it would have |
| 16 | been calculated under the unadulterated formula that was |
| 17 | applied to the City of Cleveland in your early studies? |
| 18 | A What we were doing in our earlier studies was |
| 19 | testing the proposed P over N formula. So that the formula |
| 20 | was exactly the same. That is the formula we used in the |
| 21 | studies of possibility of Mani joining and the formula we used |
| 22 | in actually allocating among the others of us was the |
| 23 | same, |
| 24 | We did adopt that formula we were testing with. |
| 25 | The formula was the same. The numbers come out different for |
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| | each company. One of the big lactors is the ratio of the |
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| 2 | largest unit to the system size. That was the most revere |
| 3 | in Duquesne's case, and they got the biggest resorve. |
| 4 | Muni would have been more severe and would have |
| 5 | gottan a larger reserve. |
| 3 | Q Is it your testimony that there was no modifi- |
| 7 | cation in the application of thatformula in order to lascen the |
| 3 | burden upon Duquesne Light? |
| 9 | |
| 10 | A. In 1967, no. |
| 11 | I mean, yes, that is my testimony, in 1967. |
| 12 | Later this whole buy-sell thing developed partly as a result |
| 13 | of Duquesne's request. We are talking about the formals |
| 14 | we used and adopted in 1967. The formula was not modified |
| 15 | to lessen the burden on Duquesne Light. |
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| arl 1 | Q Aren't there different ways to apply the P/N formula? |
| 2 | For example, by taking into account different |
| 3 | sizes and numbers of hypothetical writs when applying |
| 4 | the formula? |
| 3 | A It is a very complicated formula. Yes, there |
| 3 | are different kinds of applications. |
| 7 | Q Do those have an impact upon the amount of |
| 8 | reserves that have to be carried? |
| 9 | A Yes. |
| 10 | Q Sir, you previously testified concerning the |
| 11 | ECAR formula for operating and spinning reserves. Could |
| 12 | you describe that formula for us? |
| 13 | A The ECAR formula, I'm not familiar with the |
| 14 | intricate details of it, but the basic concept, it breaks |
| 13 | operating reserve into two or three pices. |
| 13 | One is a spinning reserve component, which is |
| 17 | to be available to be loaded actually operating on |
| 13 | the system. That is a straight percentage. |
| 19 | Then there is a percentage that is to make up for |
| 20 | the possible loss of generation on the system. And that |
| 21 | is not quite a straight percentage. It reflects the |
| 22 | unit sizes, et cetera, but it ends up being a relatively |
| 23 | small number, that is a couple of percent total. |
| 24 | Then there is a component which can be, which need |
| 23 | not be spinning. It can be in standby capacity that can be |
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| 1 | started within a certain period of time, 10 minutes, 20 |
| 2 | minutes, or something like that, quick start capacity |
| 3 | which can be counted. |
| 4 | The sum of these three pieces is the total |
| 5 | operating reserve which turns out to be a number on the |
| G | order of 7 percent or so, very slightly on the basis of |
| 7 | some of the other considerations. |
| з | Q Is that percent more or less equal for the |
| 9 | different members of CAPCO? |
| 10 | A More or less, yes. ECAR applies it to CAPCO |
| 11 | as an entity from ECAR's point of view. But CAPCO does |
| 12 | divide the operating reserve moreowr less equally among |
| 13 | the companies, basically on the same formula. |
| 14 | Q And does it come out approximately 3 percent |
| 13 | spinning reserve and 6 to 7 percent operating reserve |
| 16 | throughout ECAR? |
| 17 | A Approximately, yes. |
| 13 | Q By the way, does ECAR have authority to require |
| 19 | anybody to carry these reserves? |
| 20 | A No. There is really no teeth in ECAR except |
| 21 | the moral persuasion of one's peers to say if you are not |
| 22 | measuring up to a fair standard, you ought to be; but they |
| 23 | have no teeth, no enforcement basis. |
| 24 | Q When you received the City of Cleveland's |
| 25 | request for membership in CAPCO, had you thought of reading |

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| 1 | the things requested being in the alternative rather than |
| 2 | as inconsistent with each other? |
| 3 | A That had occurred to me, yas. |
| 4 | As a matter of fact, I had suggested to our |
| 5 | people that we ought to consider it as an alternative, and |
| 5 | that as a matter of fact, all of the explicits were probably |
| 7 | more likely to be more what they wanted than membership |
| S | in CAPCO. If you considered them as alternatives. |
| 9 | 2 Are you aware of any request by CEI that MELP |
| 10 | request with specificity what it would like from either |
| 11 | CEI or the CAPCO members? |
| 12 | A I think we asked several times for them to be |
| 13 | more specific. |
| 14 | Q Are you aware of any request of that nature |
| 15 | prior to receiving their request for CAPCO membership? |
| 15 | A No, I think their request for CAPCO membership was |
| 17 | in essence the first time they requested more than the |
| 18 | emergency interconnection which we have been discussing and |
| 19 | finally resolved with the Federal Power Commission. |
| 20 | Q Is there any manner in which MELP would have |
| 21 | determined the inconsistency of their requests absent a |
| 2.2 | copy of the memorandum of understanding in their possession? |
| 23 | A They could have started out by talking with |
| 24 | somebody, ourselves, or somebody else who is a member of |
| 25 | CAPCO. |
| | |

| 1 | Q Would you say that CAPCO members are protected |
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| 2 | against the risk of a decreasing load by virtue of their |
| 3 | membership in CAPCO? |
| 4 | A Oh, no. |
| 5 | Q Going back to your hypothetical with the |
| 3 | Chairman this morning, wouldn't, under the circulatunces |
| 7 | of that hypothetical, Duquesne be protected against a |
| з | decreasing load in terms of having overbuilt generation? |
| Э | A Duquesne would be protected only if the pool |
| 10 | were short. But not if the pool were long. |
| 11 | Q Is this then a method of spreading risk over |
| 12 | five companies as opposed to assuming it all unto one's |
| 13 | self? If all five go down in load, you are in trouble; |
| 14 | and if only you do, you are in good shape? |
| 13 | A If only you do and everybody else stays on |
| 13 | the button, you are in trouble. The only way you bail out, |
| 17 | if your load is less than forecast, is if somebody else has |
| 13 | more than he has forecast. You are not guaranteed a |
| 19 | mark if nobody needs to buy. |
| 20 | Q Are you aware of any request by MELP to |
| 2: | participate in CAPCO made during the pendency of the |
| 22 | proceeding before the Federal Power Commission? |
| 23 | A Before the Federal Power Commission, Muni |
| 24 | asking for membership in CAPCO? |
| 25 | Q Yes. |

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| 1 | A I don't recall any such, no. |
| 2 | Q That question would be to give you a timeframe, |
| 3 | rather than suggest that such a request had been made |
| 4 | formally as part of the Federal Power Commission proceeding. |
| 5 | Is that how you understood the question? |
| G | A I don't recall any in that timeframe. |
| 7 | MR. BUCHMANN: You sure you are talking about |
| 3 | the right timeframe? When you talk about timeframe, we |
| э | still have something before the FPC. |
| 10 | THE WITNESS: Maybe I could make my answer |
| 11 | clearer by saying I don't recall a request for membership |
| 12 | in CAPCO before their letter of August 1973. |
| 13 | MR. CHARNO: Thank you. |
| 14 | BY MR. CHARNO: |
| 15 | Q Mr. Williams, would you say it is unfair or |
| 15 | inequitable to allow access by a nonCAPCO entity to |
| 17 | a single specific nuclear generating unit being planned |
| 13 | by the CAPCO pool? |
| 19 | A Would I say it was unfair or inequitable? You |
| 20 | mean unfair to the other CAPCO members? |
| 21 | Q Yes. |
| 22 | A Well, I think if you have a jointly-owned |
| 23 | facility, you can't agree that somebody else is going to |
| 24 | you can't bring somebody else in without consultation |
| 25 | with the partners. |
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| 1 | Q I don't think you have the thrust of my question. |
| 2 | What I am asking is whether it is inequitable or |
| 3 | unfair to allow access to a single specific nuclear unit |
| 4 | without requiring participation in all of the nuclear units, |
| 5 | or in all of the generating units. |
| 5 | CHAIRMAN RIGLER: Unfair to whom? |
| 7 | MR. CHARNO: To the CAPCO members. |
| 8 | MR. PERI: Mr. Charno, in your first question |
| 9 | you used the word "planning." If that is part of this |
| 10 | question, could you specify what stage of the planning you are |
| 11 | referring to in your question? |
| 12 | MR. CHARNO: I don't think I did use the term |
| 13 | "planning," and it is not part of this question. |
| 14 | THE WITNESS: The question of what is unfair |
| 13 | or inequitable to the CAPCO parties is hard to answer in |
| 16 | the abstract. Sometimes in our shop we have said in effect |
| 17 | if everybody agrees to it, it is fair; and if people fight |
| 13 | over it, it is not fair. That is an oversimplified |
| 19 | description. |
| 20 | To some extent, the attitude is a sort of thing. If |
| 21 | somebody wants 10 megawatts out of an 800 megawatt or 1200 |
| 22 | megawatt unit, that doesn't affect anybody too much, so it is |
| 23 | not unfair to give it to them. |
| 24 | If somebody wants 1000 megawatts, that is un- |
| 25 | reasonable and would be unfair on its face. |
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| 1 | In between depends on a lot of factors, but |
| 2 | mostly what the rest of CAPCO thinks in specific circum- |
| 3 | stances. |
| 4 | Q Did you testify this morning that fair and |
| 5 | equitable participation in CAPCO units required each CAPCO |
| G | member to participate in each unit? |
| 7 | A Yes, exactly. |
| 8 | Q What I'm asking is the converse. Should |
| э | picking and choosing be allowed, or would that be inequitable? |
| 10 | MR. BUCHMANN: By CAPCO members? |
| 11 | MR. CHARNO: Would it matter whether it was a |
| 12 | member or nonmember, who was picking or choosing? |
| 13 | THE WITNESS: The whole CAPCO arrangement is a |
| 14 | tremendous complex of different considerations and agreements, |
| 15 | and what-have-you. And as in any complex contract, when |
| 16 | the parties agree you have a fair contract, because every- |
| 17 | body agrees it is fair. |
| 18 | If you went back and said we like clauses 2, 5, 6, |
| 19 | and we will throw away the rest of the contract, that would |
| 20 | be unfair. That is picking and choosing. |
| 21 | If someone came along and said, "I would like to |
| 22 | take some of the benefits of CAPCO, but I don't want all |
| 23 | of them or the obligations," and so forth, picking and |
| 24 | choosing of that kind is unfair and inequitable, whether it |
| 25 | is by a CAPCO member or nonCAPCO member. |
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BY MR. CHARNO:

Q. Would it be your testimony, it would be fair for someone seeking access to be required to take access in all of the CAPCO units, and then again fair applies to existing CAPCO members?

A What I think would be fair would be to take the whole CAPCO agreement. As soon as you start picking and choosing among the clauses, you get farther and farther from waht is fair and equitable.

9 If you are talking about taking a share of every 10 unit and agreeing to one-system planning and agreeing to 18 allocation by the P over N formula and agreeing to cwmerchip 12 in the units and paying the bills as they come due and 13 compulsory arbitration, and all of the rest of the clauses 14 in the contract, if you take all of that and agree to all of 15 that, I think it is fair and equitable. As soon as you take 16 some of these ought, you run the risk of not being fair 17 and equitable, because it is a whole contract package.

Somepeople like some clauses and others like
 others. When you hammer out a negotiate: contract, you get
 something you accept in total, but don't necessarily
 accept every section of.

Q Would it be safe to say, then, admission to the
 CAPCO Pool for someone seeking nuclear access was more
 equitable for existing CAPCO members than allowing the
 chunk to be taken out of a specific CAPCO unit?

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| pas ¹ | MR. BUCHMANN: Can I have that read back? |
| a i | (Whoreppon, the reporter road the pending |
| 3 | question, as requested.) |
| 44 | THE WITNESS: The first part of that question I |
| 5 | had trouble with. |
| 6 | (Whereupon, the reporter reread the pending |
| 7 | question, as requested.) |
| 8 | CHAIRMAN RIGLER: I don't understand the gestion, |
| 9 | and Mr. Smith doesn't either. |
| 10 | BY MR. CHARNO: |
| 44 | Q Suppose we have a nonCAPCO entity which is |
| 12 | desirous of securing a part of a nuclear unit being built |
| 13 | by CAPCO. Which would be more equitable from the viewpoint |
| 14 | of CAPCO members? Bringing that entity into CAPCO or giving |
| 13 | that entity a chunk out of a specific nuclear unit? |
| 15 | A What would be more equitable for the |
| 17 | individual members of CAPCO, they would have to decide |
| 18 | for themselves. If what the party wanted was a chunk of |
| 19 | a particular unit and the size of . the unit was small, it might |
| .20 | be a great deal simpler to say, all right, take the piece |
| 21 | of the unit, than to go all of the rest of the business. |
| 22 | And the equity may be substantially the |
| 23 | same in any acase, if the size of the system and the size |
| 24 | of the unit is small enough. Trying to determine the difference |
| 25 | between the equities may not be as significant as to what is the |
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practical answer to the requests.

Q Doesn't that allow the nonCAPCO entity to skin the cream off your coordinated development of generation, to pick and choose the best units?

A Yes, it does, and it well may be that the more equitable of all would be to tell the system to go ahead and develop its own operations. That might be the most equitable of all in the hypothetical situation you are citing.

Are you aware of any facts upon which CEI might have -- CEI personnel might have based a belief that MELF would seek to avoid joining in the existing or projected CAPCO coal-fire plants?

Would you read that again, please?

(Whereupon, the reporter read the pending 15 question, as requested.

THE WITNESS: I'talked.about the difference in fixed charge rate which would make a coal-fired plant less desirable to MELP than a nuclear plant.

This certainly is a fact that would make me suspect they would be less likely to ask for Membership in a coalfired plant.

BY MR. CHARNO:

24 Was that option ever discussed with them, to your 24 knowledge?

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Not to my knowledge. bw4 A Isn't it true that changes in what you have described as the typical behavior of the industry concerning wheeling have become -- have come about in ever-increasing frequency after the changes in technology which have allowed the building of larger scale generating units? To my knowledge, the total amount of wheeling A in the industry is still very small. By far the most coumon practice is to buy the power and resell it.

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| arl 1 | Q Isn't it true that that is changing? Are |
| 2 | you aware of more companies who have permitted themselves |
| 3 | to wheel today than eight years ago? |
| 4 | A Yes, I think that is true. |
| 5 | Q Sir, did you describe a process this morning where- |
| 3 | by CAPCO makes decisions with respect to the commitment |
| 7 | of future generation and transmission in principle, subject |
| з | to confirmation at the last possible minute from the |
| 9 | evaluation of the most recent possible data? |
| 10 | A Yes. Ordinarily we don't reach our decisions |
| 11 | until we have the last possible data. But we certainly do |
| 12 | study on a continuing basis and look ahead and what |
| 13 | the picture might look like next year or the year after |
| 14 | that. |
| 13 | Q You described it this morning as we think we |
| 13 | are going to do this in the future. We will actually commit |
| 17 | ourselves at the time we have the most recent data. |
| 13 | A Every year at least, sometimes more often, we |
| 19 | study what the load capacity situation looks like for the |
| 2.) | coming 10, 15, 20 years. We will reach the conclusion |
| 21 | it looks like we need more capacity in year X. Then we will |
| 22 | say do we want to get into a detailed, careful study of year |
| 23 | X, and the possibilities of capacity, et cetera, at this |
| 21 | time, or is year X far enough away that we want to defer |
| 23 | such a study. |
| | |

| ar2 | 10,495 |
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| 1 | We discuss those kinds of things at least every |
| 2 | year, and sometimes more often than that. |
| З | Sometimes we will say it looks like that time is |
| 4 | close enough that we better be getting about a detailed |
| 5 | study. We will start a detailed study of coal vs. nuclear, |
| 5 | lake vs. river locations, et cetera, and out of that will |
| 7 | come more definitive studies. |
| 3 | Months will go by to do this. Then we will come |
| 9 | up with a conclusion, are we ready to decide what to do, |
| 10 | or shall we study more, or shall we wait until next |
| 11 | summer's peaks are over to see if we are growing at the |
| 12 | rate we think we are. |
| 13 | Then we come to a conclusion, we better decide |
| 14 | now to go with a unit in year X. |
| 15 | Have I been responsive to your question? |
| 16 | Q I think so. |
| 17 | You indicated this morning at one time CAPCO |
| 13 | decided to cancel Mansfield Unit No. 3. Then after |
| 19 | examining the cancellation costs, decided to put it in opera- |
| 20 | tion. |
| 21 | Why did you decide to cancel it? |
| 22 | A We decided to calcel it because it was part of |
| 23 | an overall review of capacity. We weren't far into the |
| 24 | engineering and design of the unit. It looked like the |
| 25 | total installed cost would be considerably more than we |
| | |

| ar3 | 10,497 |
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| 1 | thought it was. The aconomics lookd as though one of the |
| 2 | best ways to save money in the total plan was to cancel the |
| 3 | unit. |
| 4 | |
| | You see, the motivation of this particular study |
| 5 | was to reduce capital costs because some of the companies |
| 5 | were having trouble raising the money. |
| 7 | All of us were having trouble, and some were having |
| 3 | more trouble. The objective of the study was how to |
| 9 | reduce the total capital flow. |
| 10 | It looked like the way to do it was make some |
| 11 | deferrals of units and cancel Mansfield 3. |
| 12 | After we got into it, we concluded we didn't |
| 13 | save as much money as we thought we would because of the |
| 14 | cancellation charges, so we reinstituted Mansfield 3, and |
| 13 | we deferred other units to hold down costs. |
| 13 | Q When you originally did the study to datamine |
| 17 | that you should cancel Mansfield 3, did you infer you should |
| 13 | defer some other units at that time? |
| 19 | A Yes. |
| 20 | Q What units were those? |
| 21 | A I have a table that lists this precisely. We |
| 22 | I believe it was at that time that we slipped Perry 1 and 2, |
| 23 | And Beaver Valley 2. |
| 21 | I'm not sure about Mansfield 2. We may have |
| 25 | deferred Mansfield 2 in that study, too. I'm not sure. |
| | |

10,498 ard Was there any reason that the conclusion of that 0 2 first study was to cancel the fossil unit and to defar 3 the nuclear units, rather than vice versa? a. A The primary reason for that was the timing. Mansfield 3 was at a point where we were going to bagin 5 S spending dollars in a big way on it. 7 Our objective was to save dollars in the early S stages. So that -- I'm trying to get the timeframe right here. I think those studies were made at the end of '74 3 and early '75. Our objective was to reduce capital 10 expenditures in '75 and '76. 11 So we looked at the cash flow by units for --12 all of the units for all of the years. We said, how can we 13 get the biggest dollars out of 1975, and the biggest dollars 14 for any unit, 1975, were Mansfield 3. 15 That was one of the main reasons because our 16 objective was reducing 1975 dollars. 17 What impact, if any, did the overall costs of Q 13 operation of the nuclear as opposed to coal units have in 19 those calculations? 20 A It was really quite a secondary consideration at 21 that particular study. Our real motivation was cash flow 22 dollars. And the operating economies were quite secondary. 23 Q You testified this morning that the December 7. 21 1973 meeting was called to deal with the then-current 25

| ars | 10,499 |
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| 1 | situation. What did you have in mind by using that term? |
| 2 | A The status of the discussions with Cleveland Muni |
| 3 | and of their request for membership in CAPCO. |
| 4 | Q Was there any other subject discussed at that |
| ā | meeting to the best of your recollection? |
| 3 | A It was about that time, and it may have been at |
| 7 | that same meeting, that we discussed this pending heating. |
| 3 | That is the antitrust hearings before the Muclear |
| c | Regulatory Commission. |
| 10 | I'm not sure whether that was on the agenda at that |
| 11 | same meeting or not. It must have been at about that time |
| 12 | that we were beginning to talk about response to that situa- |
| 13 | tion. |
| 14 | Q Sir, can you tell us the last time the CDI four- |
| 15 | megawatt unit was in operation for any purpose other than |
| 13 | testing? |
| 17 | A No, I don't know. That would be in our operating |
| 13 | records, but I haven't reviewed that. |
| 19 | Q Was it your testimony this morning that you |
| 20 | believed that CEI would wheel power out of Claveland on |
| 21 | the same basis as it was willing to wheel power into |
| 22 | Cleveland? |
| 23 | A Yes, I said that was a personal opinion, not |
| 24 | based on any corporate discussion of the issue, even. |
| 25 | Q Now, with respect to wheeling power into MELF, did |
| | |

| art | 10,500 |
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| 1 | you testify there was a first right of refusal by CEI? |
| 2 | A I said that we would be willing to wheel on the |
| 3 | same power to MELP, if the capacity were available to |
| 4 | us, on the same terms and conditions. |
| 5 | Q Well, the way you envision that it would give |
| 5 | you the right to first refuse that power before you wheel |
| 7 | it to MELP? |
| 6 | A That question hasn't actually been put to me that |
| 9 | way. I'm not sure what our position is on that point in |
| 10 | negotiations. |
| 11 | As I mentioned, I'm not personally involved in |
| 12 | these negotiations. I really don't know the answer to that |
| 13 | specific question in terms of what we have said or would say |
| 14 | in negotiations. |
| 15 | Q Is there a right of first refusal when you are |
| 13 | engaging in buy-sell transactions where you buy from one |
| 17 | party and sell to another party? |
| 13 | A You are talking about the typical, such as the |
| 19 | Ohio Power to CEI to PJM that we were talking about this |
| 20 | morning. |
| 21 | Q In this type of transaction, is there a right |
| 22 | of first refusal? |
| 23 | A Yes, there is. |
| 24 | Q Could somebody rely upon those buy-sell |
| 25 | transactions to provide an alternative source of firm |
| | |

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| ar7 | 0,501 |
| 1 | bulk power supply? |
| 2 | A Only if the contract provided for firm bull power |
| З | supply. That is, you can make that kind of a transaction |
| à | as economy interchange or you can make it as amergency, or |
| 5 | you can make it as firm. |
| 6 | If you made it as a firm power contract, you |
| 7 | could rely on it as firm power. |
| e | If you made it as an economy transaction, you |
| 9 | couldn't rely on it as firm power. |
| 10 | Q This morning in response to a question from |
| 11 | the Board you indicated that you had not you, being CEI |
| 12 | had not been requested to wheel between the City of |
| 13 | Painesville system and the MELP system. |
| 14 | Are you aware of any requests by either of |
| 15 | those entities that you file a schedule that would |
| 16 | require you to wheel if you have the capacity? |
| 17 | A From one system to the other? |
| 15 | Q In general. |
| 19 | A Cleveland Muni has asked us to wheel PASHY |
| 20 | power to it. I'm aware of that request. If that is the |
| 21 | kind of transaction you are referring to, yes, I am aware of |
| 22 | it. |
| 23 | Q I'm asking if you were aware of a request by |
| 24 | either or both Painesville or MELP that you file a transmis- |
| 25 | sion schedule which would commit you in principle to wheel |
| | |

| ar8 | 10,502 |
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| 1 | if you had capacity available at terms and conditions |
| 2 | which would be subject to regulatory approval? |
| 3 | A I thought I said yes specifically, I'm aware |
| 4 | that Muni has asked us to wheel PASNY power under those |
| 5 | terms. |
| 5 | Q Are you aware of any request by Painesville? |
| 7 | A No, I'm not. |
| 3 | Q Are you aware of a more general request by MELP |
| 9 | for wheeling than the request for wheeling of PASNY power? |
| 10 | A I think they have asked for wheeling on sort of a |
| 11 | general basis from anybody, anywhere they might want to wheal |
| 12 | from. |
| 13 | Q Would that be subject to the capacity |
| 14 | being available in your transmission system? |
| 15 | A I would presume so. |
| 15 | Q Why would you presume so, sir? |
| 17 | A Well, quite clearly, if the capacity is not |
| 13 | available, we wouldn't be able to de it. Of course, ve |
| 10 | could build a line. But I'm not aware that they have made |
| 20 | any suggestion that we build any lines. They did at one time |
| 21 | propose they build lines out to some of our 345 kV sub- |
| 22 | stations, but I'm not aware that they had asked us to build |
| 23 | any lines. |
| 24 | So if we are not going to build any lines, we |
| 25 | have to have capacity available in order to wheel power over |
| 156.0 | |

| 129 | 10,503 |
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| 1 | the existing lines. |
| 2 | Q Has CEI ever offered to wheel power from |
| 2 | PASNY to MELP? |
| 4 | A No. |
| 5 | Q Earlier you said that in the transactions between |
| 6 | AEP, CEI to PJM, you all got benefits. What ware the |
| 7 | benefits received by CEI in that type of transaction? |
| 3 | A The dollar benefits? |
| 9 | Q What was the measure of those benefits? Do you |
| 10 | recall? |
| 11 | A Generally speaking, we were talking about an |
| 12 | aconomy a pair of economy transactions. The AEP |
| 13 | costs were less than ours, and ours were less than PJH, then |
| 14 | the difference between AEP cost and our cost for generating |
| 15 | the next kilowatt hour would be split 50-50 between the two |
| 13 | parties. |
| 17 | They would get half the dollars and we would get |
| 13 | half the dollars of the dollars savings. |
| 19 | The next transaction between CEI and PJM, because |
| 20 | we would generate cheaper, we would split that difference |
| 21 | so that PJM got half the difference and CEI got half the |
| 22 | difference. |
| 23 | The total measure of the benefit to CEI of the |
| 24 | transaction would be half the difference between the AEP |
| 25 | and CEI cost, and half the difference between the CEI and |
| | |

| arlo | 10,504 |
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| 1 | PJM cost. |
| 2 | There would be no transmission charge for this. |
| 3 | Q Mr. Williams, are you aware of any rule now, or |
| 4 | any time back in 1967, which used the largest single |
| 5 | down pardon me the largest single unit down concept |
| 6 | of fixing reserves? |
| 7 | A I'm not aware of any. Although there are a |
| 8 | number of pools which I don't know what their criteria is, |
| 9 | so there well may be some. |
| 10 | Q Is that primarily a method of determining |
| 11 | reserves for a single system? |
| 12 | A Yes. Although fever systems are using that |
| 13 | kind of a method now than were using it say a quarter of a |
| 14 | century agao. |
| 15 | MR. BUCHMANN: I didn't catch the last few woris. |
| 13 | THE WITNESS: I say fewer systems are using it now |
| 17 | than they were say using it a quarter of a century ago. |
| 13 | MR. CHARNO: I don't have anything further. |
| 19 | Thank you very much. |
| 20 | CHAIRMAN RIGLER: Lot's take 10 minutes here. |
| 21 | (Recess.) |
| 22 | MR. BUCHMANN: Mr. Chairman, could the record |
| 23 | reflect that during the break we ascertained the documents |
| 24 | to which Mr. Williams had referred prior to his |
| 25 | examination, and I found out what he was talking about. |
| | |

| arll | 10,505 |
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| 1 | They are all exhibits in his case, and we have shown them |
| 2 | to Mr. Charmo. |
| 3 | If Mr. Charno wishes to interrogate the witness |
| 4 | further on that, it is fine with me. |
| 5 | MR. CHARNO: The Department has no further |
| G | questions based on the documents. |
| 7 | BY MR. LESSY: |
| 8 | Q Mr. Williams, I have distributed and placed in |
| Э | front of you during the break a document which is 16 pages which |
| 10 | bears the notation NRC Staff Exhibit 214. |
| 11 | The front sheet is a letter or memorandum |
| 12 | from Vaughn C. Bradford to Messrs. Rudolph, Arthur, |
| 13 | Mansfield, Semmler, S-e-m-m-l-e-r, and Davis. |
| 14 | It is followed by 15 pages of charts. We have |
| 15 | had some Xerox problems today. The letter and the 15 pages of |
| 15 | charts ought to be red-lined. |
| 17 | I will ask you to take a look at it and I will |
| 18 | ask you a few quastions about it. |
| 19 | (The documents referred to ware |
| 20 | marked Staff Exhibit 214, |
| 21 | for idetification.) |
| 22 | MR. BUCHMANN: What did you red-line, Mr. Lessy? |
| 23 | MR. LESSY: All of it. |
| 24 | BY MR. LESSY: |
| 25 | Q This document sets forth the structure of the |
| | |

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| 1 | CAPCO organization charts, according to the lotter as of |
| 2 | October 1, 1973, or November 10, 1973. |
| 3 | In looking through the 16 pages, siz, I did not |
| 4 | find your name as a member of a committee or a group. |
| 5 | Am I correct in that? |
| S | A That's right. |
| 7 | Q Now as of today, can you tall us which |
| 8 | committees or groups you are a member of or an official CHI |
| 9 | delegate to? |
| 10 | A As of today, I'm the alternate to the executive |
| 11 | committee on the page 2 of 5 at the top. It reports in |
| 12 | 1973 Rudolph, member, and R. H. Ginn, alternate. As of |
| 13 | today, I'm the alternate. |
| 14 | Q When were you so delegated or appointed? |
| 15 | A I was designated in that position at the |
| 16 | beginning of this year. |
| 17 | Q Would that be January of 1976? Is that what you |
| 13 | mean by the beginning of this year? |
| 13 | A Yes. |
| 20 | Q Now, all of the committees, as I read this, have |
| 21 | an asterisk in front of one member. In the case of 1973, at |
| 22 | least in the cast of the executive committee, it was Duquesne |
| 23 | Light, and the legal committee was CEI, indicates chairman. |
| 24 | What is your understanding of the function of the |
| 25 | chairman, if it is the same for each of the committees? |
| 11 | |

| arl3 | 10,507 |
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| 1 | And if not, you can explain the difference. |
| 2 | A Basically the function of the chairman is to |
| 3 | call for the meeting, arrange for the details, and preside |
| 4 | at the meeting to keep it on an orderly basis. |
| 5 | In the case of the executive committee, the |
| 6 | Chairman also designates a secretary who records the minutes. |
| 7 | I'm not sure on the various other committees. Some of them |
| 3 | keep minutes and some don't. Some the Chairman writes the |
| 9 | minutes. |
| 10 | In the case of the executive committee, the |
| 11 | chairman designates a secretary. |
| 12 | Ordinarily it is a lawyer from his own company, |
| 13 | that is the typical arrangement. |
| 14 | Q So when you attended the executive committee |
| 15 | meetings for CEI, you were attending other than in the |
| 13 | capacity of either an official up to 1976, you were attending |
| 17 | other than in the capacity of an official designated or |
| 13 | as an official alternate designate; is that correct? |
| 19 | A That's correct. |
| 20 | MR. LESSY: I would like to move into evidence |
| 21 | Staff Exhibit 214 at this time. |
| 22 | CHAIRMAN RIGLER: Bearing no objection, we will |
| 23 | admit 214. |
| 21 | |
| 25 | |
| | |

| (The | documents | s previou | 3.LY |
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| mark | ed Staff | Enhibit | 314 |
| for | identific | pation, w | 01.6 |
| rece: | ived in e | evidence. | 3 |

BY MR. LESSY:

| 3 | Q Now if another utility come into CAPCO today, |
|----|--|
| 7 | from CEI's point of view, wou dn't it be possible to start |
| 8 | that utility's financial obligations from the present or say |
| 9 | from 1975, and not to go back to its financial responsibility |
| 10 | for fixed charges, say, from 1967 or any other date? |
| 11 | A It would be possible, yes. |
| 12 | Q Would you be receptive or recommend going forward |
| 13 | on that basis? |
| 14 | MR. BUCHMANN: Could I hear the preceding |
| 15 | question, because I must have missed something. |
| 13 | (Whereupon, the reporter read from the |
| 17 | record, as requested.) |
| 13 | THE WITNESS: Certainly with respect to |
| 19 | I'm not sure I understand the question. I said yestenday |
| 20 | because anything is possible. But in terms of causing a |
| 21 | value judgment, in terms of whether I would recommend it, |
| 22 | if you are talking about another entity that came in and |
| 23 | wanted to have a part of the output of a unit that is now |
| 24 | under construction, I certainly would not recommend doing |
| 25 | that unless the entity who came in was willing to pay the cost |

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BY MR. LESSY:

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| Q With the same though in mind, if a utility | - |
| were to come into CAPCO as a Sall member today, not picking | |
| and choosing between particula: units, what would be your | |
| recommendation as to whether or not it would be necessary for | |
| that utility to go back to say '67 to pick up the fixed | |
| charges from that date or any other date in the interia? | |
| A Are you suggesting that this utility would, when | |
| he came in, be entitled to capacity in units now under | |
| construction or only in future units that have not been | |
| committed? | - |
| Q Let's do it with units under construction. | |
| A If the units are under construction, and the money | |
| has been spent, I would certainly expect him on joining to | |
| pay his fair share of the dollars that have already been | |
| spent, | |
| If I am going to give up part of the capacity | |
| that CEI already owns, I would expact to be paid forit. | |
| Q If that entity were willing to pay its fair share of | 2 |
| ownership in units, say, in the early CAPCO units, say | |
| Sammis 7 or Eastlake 5 and if it did pay its fair share, | - |
| do you feel that would be a reasonable method of allocating | |
| the new structure? | |
| MR. REYNOLDS: Let me have that back. I'm having | |
| a hard time understanding the question. | |
| | |

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S42 bwl

| 73 | |
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| 7 | units I would be inclined to doubt it. Also, of course, |
| 2 | your question sort of surmises that Detroit to stay with |
| 5 | the illustration hasn't built any capacity of its own during |
| ¢, | this time, which isn't a very good assumption. |
| 5 | If they would come in, they would probably |
| 0 | come in with enough capacity for new and they wouldn't |
| 7 | need the extra capacity in all of these old units. |
| 8 | Again, we have a very hypothetical and very |
| Э | unlikely situation, but I think the answer is that we would |
| 10 | not be interested in selling out our interests in existing |
| 11 | operating units to Detroit Edison, if they came and they wanted |
| 12 | to join the pool. |
| 13 | Q The middle ground between that is where a unit is |
| 14 | two-thirds under construction. Suppose Detroit Edison |
| | wanted a piece of a unit that was two-thirds under |
| 16 | construction and was willing to pay the costs. |
| 17 | Would you be willing to go forward on that besie? |
| 18 | A We would have to lock first of all as to watther we |
| 19 | had the capacity available. It depends on how much Detroit |
| 20 | Edison needs or wants in these units. We have no look at |
| 21 | what is the benefit to us of this whole transaction. Because, |
| 22 | obviously, nobody is interested in selling assets that bear |
| 23 | costs. You are not in business to buy and sell assets at |
| 24 | costs. |
| | |

So what do they want, have we got it for sals,

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| 1 | 745 | 10,514 |
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| | | sell to a municipality at cost? Nobody does it that way. It |
| | 2 | is kind of hard to hypothesize why we would want to what the |
| | 3 | basis is under which we would sell a part interest, in what |
| | c, | we ware building for our own purpose. |
| | 5 | g I thoughtyou said you wouldn't want to sell owner- |
| | S | ship in a seven-year old unit, because you couldn't |
| | ç, | recover your cost. I used Samais 7 or Bostlake 5. Hou |
| | 8 | couldn't recover your costs with an older unit that has been on |
| | 9 | line. |
| | :0 | A No, I was saying we had taken a lot of risk to |
| | 11 | get a unit whose costs were now known and we could see no bened. |
| | 12 | and maybe a disadvantage to give up the capacity. |
| | 13 | If we need the capacity, and we give it up. |
| | 14 | we would have to buy it at higher cost, because of |
| | 15 | inflation in a new unit. |
| | 6 | Q Now, you are recovering your cost and a wait is two- |
| | 17 | thirds under construction. Why wouldn't you be willing to |
| | :8 | sell it on the basis of macovaring your costs. |
| | 19 | The financial risks would have been |
| | 20 | recovered by the amount that you were paid. |
| 42 | 21 | |
| | 22 | |
| | 23 | |
| | 24 | |
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ESA

| e.z.1 | A They might or might not. You have taken some |
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| 2 | risks and some uncertainties. If the unit was going to be |
| 3 | extremely expensive because of some unusual circumstance |
| 4 | or if the project was going to have to abe abandoned, to |
| 5 | take an extreme case, then I presume this hypothetical |
| 5 | municipality wouldn't be interested in buying a share of |
| 7 | that one, but we would be stuck with it. We took some |
| 8 | risks. The one that is three-quarters or two-thirds finished |
| 9 | has some risk ahead of it, but it has some risks behind |
| 10 | also. |
| 11 | I don't see any logical reason why we should sell |
| 12 | it unless it is excess for us. I don't see any reason |
| 13 | why anybody should sell at cost unless he wants to sell it. |
| 14 | And generally speaking, if we sell them capacity today, we |
| 15 | will have to buy something in the future at a higher |
| 16 | cost because of inflation. |
| 17 | To sell you power now or to sell a municipality |
| 13 | power now and buy some more in a future year at a higher |
| 19 | cost, we would lose money. |
| 20 | Q If we were in excess capacity picture, would |
| 21 | that change your answer? |
| 22 | A If we were in excess capacity, we would look at |
| 23 | the economics over the life of the plant. We might want |
| 24 | to give up the excess this year. We would have to study |
| 25 | the cash flow and overall economics to determine whether |
| | |

10,515

my given specific proposal v s desirable or not. 2 Regarding economic of scale, you testified, I Q 3 believe, that AEP and the Mic igan pocl and PJM pool, as 2 well as CAPCO, are already li te mouch to enjoy all of the 5 economies of scale? 3 Substantially, yes A 7 Where would that I ave other utilities located in 0 3 the areas served by ment rs of these pools in terms of their access to economies of scale? 3 10 Well, basically, that leaves them in the position A 11 where the best way to get there aconomies is to deal with 12 the pools or the individual a mparies on some basis or another. 13 Now with respect to participation by MELP or 14 0 Painesville in CAPCO, if the: two entities joined to gether, 13 either as two or with others as a group, and jointly share 13 the responsibilities of CAPCO membership, might that be a 17 way for the systems to practically participate in CAP 10? 13 By jointly share their responsibilitien, you A 19 mean pool together and have che shaff of people as 23 members of the various commit ses, and so on? 2. Also their engineering assets, their plants, their Q 21 economic -- ther ability to 1 nance, their personnel, just 23 treating them as one system, the way that Ohio Edison and its 21 subsidiary are. 25

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| | a14 | | 10,318 |
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| | 1 | conceive of | iit. |
| | -2 | | I can't imagine they could delegate it to an |
| | 3 | engineering | firm, and the engineering firm could speak for |
| | 3 | all of them | |
| : 1 | 3 | | BY MR. LESSY: |
| | 3 | Q | Could they work together to fulfill things |
| | 7 | jointly in | organization? |
| | 3 | А | Yes. |
| | 0 | Q | And they might be able to combine their recerves? |
| | 10 | ۸ | If they had a tran mission network |
| end43 | 11 | connecting | them. |
| | 12 | | |
| | 13 | | |
| | 1-1 | | |
| | 15 | | |
| | 13 | | |
| | 17 | | |
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| | 23 | | |
| | 21 | | |
| | 25 | | |
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|------------|---|
| S44 bwl | Q. How about if they hal wheeling connecting them? |
| | Either wheeling or transmission? |
| | A Mether the transmission network belongs ic |
| | them or somebody else, if the untwork exists, they could |
| | pool the reserves among each other. |
| 6 | Q You testified, I be love, that the cutage of |
| 7 | an 85 megawatt unit on NELP's cystem would impose a heavy |
| 6 | drain on the CAPCO Pool; is that correct? |
| 5 | A Well, I'm not sure unethor that is |
| 10 | precisely what I said or not. What I meant was, it would take |
| 11 | from the CAPCO Pool a substant al portion of MCLP's load. |
| 12 | That MELP would take a substantial portion of |
| 13 | their load from the pool. I think what I said was about |
| 14 | 75 megawatts worth. |
| 15 | With a 100 megawate load that is 75 percent of their |
| 15 | capacity. |
| 17 | Q Would that 75 percent of its capacity be a |
| 18 | drain on the CAPCO pocl? |
| 19 | A Well, it would be a drain, but not a severe one |
| 20 | or not a serious one. CAPCO as got 75 megawatts, |
| 21 | obviously. |
| 22 | Q Do you know the installation sizes of some of the |
| 23 | individual short lead time capacity units that the CAPCO |
| - 24 | companies have and are installing? |
| 25 | A. The short lead time capacity have been |
| | |

| wo i | running we have bought multiple units in the range of |
|------|---|
| 1 | 25, 35, 50 magawattes or more. |
| 3 | Q. What do you mean by multiple units? |
| 3 | A Very often we decided to buy two units or times |
| 5 | units all in one decision. |
| 3 | Q Well, let's see, would ench of the units ba |
| 7 | 25 megawatts? |
| 8 | A. I think at one time CE2 decided to build into, 25 and |
| 3 | enother time someone decided to baild three, 3%. |
| 10 | Q Do you know of inst lletion of CAPCO members of |
| 1.1 | seven megawats of electromode of clesel units in the SVR |
| 12 | program? |
| 13 | A I guess in the very earliest ones some of the |
| 14 | companies were still concernse bout this black |
| 15 | capability that I was talking bou I mentioned we |
| 16 | had a four megawatt diesel for the purpose of staring the |
| 17 | Lakeshore Plant in case there was no power available. |
| 10 | Some of the companies decided it would be in their |
| 19 | own interast to have the short lead time capacity seathered |
| - 20 | at the various plants, so they could do that black start |
| 25 | capability without the need for transmission. They bought |
| 21: | small units primarily for thet reason. |
| 23 | Q Do you know which company this was? |
| 34 | A I believe Duquesne id that. |
| .25 | A New, under the CAPC: calculation, would these |
| 1000 | |

bw.

small units be a credit to the r capacity? 3 Yes. 2 MR. LESSY: No further questions. 3 MR. BUCHMANN: I have a few questions. REDIRE I SMAMINATION 5 BY MR. BUCHMANN: S Mr. Williams, shortly before lunch, you work 0 talking about equal percent ratarve system as 3 contrasted to the P over N sys! In you have used. \$ You said that P over N took into consideration a 12 number of items that the equal percent reserve system did not. 金装-You referred to, for example, the size of generating capacity. 2 Why is the size of generating opacity pertinent in this 13 analysis at all? 14 Well, in fact, if a mit that trips off, is in A 5 trouble or a unit is taken off for maintenance or whete wer, it 16 is, obviously, not available to serve the losd. 17 If that unit is large, then the capacity that 18 is left is -- the capacity that is left is reduced -0 considerably. 20 If you just -- if you ignome that and say it doesn't 21 make any difference whether you take off ten megawatts, 85 22 megawatts or 1,000 megawatts, tien you ignore the amount of 23 capacity you have left to serve your load and to help the 24 rest of the pool or conversely the amount of power you seed to 1745 take from the rest of the pool, in order to make yourself whole.

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| 4 | 1 | Q. You referred to the relative. reliability of |
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| * | 2 | |
| | | the generating units. What does that have to do with it? |
| | 3 | A If the unit is highly reliable, it is available |
| | 4 | most of the time. |
| | 5 | If its forced outage rate is high, or it is |
| | 6 | unreliable, it is available much less. |
| | 7 | Your sbility to help the pool depends on the |
| | з | capacity that is available. |
| | 9 | Your need to call on the pool depends on the |
| | 10 | capacity that is available. |
| | 87 | Q Is it your suggestion or testimony that |
| | 12 | equal percent reserve system does not take those things |
| | 13 | int consideration? |
| | iA | A That is correct. |
| | 15 | Q In the equal percent reserve computation, what |
| | 16 | capacity were you referring to when you described what? |
| | 12 | A The capacity is the installed capacity at the |
| | 18 | time of the annual peak load. |
| | 19 | Q Whether or not it is operating? |
| | 20 | A Whether or not . It is operating. |
| | 21 | Q What if it is not capable of operating? |
| | 22 | A The usual approach most companies follow, |
| | 23 | again, we don't use it, The approach most companies follow |
| | 24 | is if it is considered in commercial operation, then it is |
| | 25 | counted. And, ordinarily, it is declared in commercial |
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| bw5 | 1 | operation early in its life, shortly after it goes on and it sty |
| | 2 | there until it is retired. |
| | 3 | Once in awhile during a long outage a company |
| | 4 | will take something out of commercial operation and |
| | 5 | put it back in again. |
| | 6 | But the basic test is installed capacity |
| | 7 | or capacity that , is in commercial operation according to |
| | 8 | the companies own public declaration. |
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| arl1 | Q One of the things you spoke about was the fact, |
| 2 | I believe, you said that equal percent reserve method did not |
| 3 | consider the load on the other 364 days. What do you mean |
| 4 | by that? |
| 5 | A The percent reserve takes the installed capacity |
| G | minus the load on the peak day of the year, divided |
| 7 | by the load on the peak day of the year. |
| 8 | If on the other case of the year, the load is |
| Ð | nearly as much, to take the extremes, then your ability |
| 10 | to help the others is relatively small because you need it |
| 11 | for yourself. |
| 12 | If on the other days it is way down from the |
| 13 | peak load, you have a sharp peak and on the other days it is |
| 14 | considerably lower, then you have more available to help |
| 15 | other people during their situations. |
| 16 | Q Is that sort of thing taken into consideration |
| 17 | in the P/N analysis? |
| 13 | A Yes, it is. |
| 19 | Q You said you tested the P/N method by a variety of |
| 20 | cases including the City of Cleveland case. What did |
| 21 | that test tell you as far as the P/N formula was concerned? |
| 22 | A It showed that the P/N formula in fact produced |
| 23 | higher reserves for a system such as the City of Cleveland |
| 24 | that had at least one very large unit in relation to its |
| 25 | system load. Even the next three units are relatively large. |
| | |

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| 1 | They are 25 megawatts compared to a 100 megawatt peak load. |
| 2 | That is a big unit. It showed their reserves would be |
| 3 | considerably higher than the reserves of the other CAPCO |
| 4 | members. |
| 5 | Thut is precisely what we thought was proper, |
| G | fair and equitable result. |
| 7 | Q You would have expected that result? |
| 8 | A That's right. |
| 9 | Q By the way, to your knowledge, has the City of |
| 10 | Cleveland asked for participation in a coal-fired unit of |
| 11 | the Illuminating Company or . of the CAPCO system? |
| 12 | A NO. |
| 13 | Q You testified in response to a question from |
| 14 | Mr. Hjelmfelt that membership in CAPCO, full membership |
| 15 | in CAPCO for the City of Cleveland, even if some of the |
| 16 | dacisions made by CAPCO ware not the optimum decisions |
| 17 | for the City, would be better for the City than if it |
| 13 | remained isolated. |
| 19 | Do I fairly summarize your testimony? |
| 20 | A Yes. |
| 21 | Q How would full membership of the City of |
| 22 | Cleveland in CAPCO compare with the effect on the City of |
| 23 | Cleveland of the offers which the Illuminating Company has |
| 24 | already made to them? |
| 25 | A The offers we have made would be much more |
| | |

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| 1 | 10,526 favorable to the City of Cleveland than full membership in |
| 2 | CAPCO. |
| 3 | Q You also indicated that you have capacity if Davis- |
| 4 | Besse and the Beaver Valley Unit comes on in early '77 |
| 5 | or something like that? |
| 6 | A Yes. |
| 7 | Q What is the reason why you are in a hurry to get |
| 8 | the operating license for Davis-Besse 1? |
| 9 | A There is a very substantial economic benefit |
| 10 | of having that unit on the line. It is really in two parts. |
| 11 | If the initial kilowatts are made in 1975, |
| 12 | before December 31, there is a sizeable investment tax |
| 13 | credit accrues to the owners and sizeable is several |
| 14 | million dollars. |
| 15 | It is something in the range of \$6-8 million, more that |
| 16 | it would be if we aiwaited to the year 1977 and got the |
| 17 | investment tax credit in 1977. |
| 18 | That is one important economic benefit. |
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Q What is the other?

A The other is as soon as it comes on, it begins displacing the coal cost to generate the kilowatt hours.

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Q For your other units?

For our other units. Muclear power ----A 5 nulcear fuel costs are less than the coal fuel costs. As 6 soon as the nuclear unit is on, we will back down the 7 coal-fired units. That difference alone in the cheaper 8 nuclear energy rather than the coal, will save the companies 9 and their customers about \$400, 000 a year. Somewhere between 10 \$300,000and \$400,000 -- Insan a day. It will save the company 11 and their customers between \$300,000 and \$400,000 a day. 12

In addition to that, we have the interest on the 13 construction dollars already invested. That interest runs 14 something like \$88,000 a day. So, these two factors added 15 together give you total costs of delay of the Davis-Besse 16 unit that runs over \$400,000 a day, a large part of which 17 will accrue directly to the customers because of the fuel 18 clauses. \$400,000 a day is a lot of miney and that is what 19 we are concerned about. 20

21 MR. BUCHMANN: Thank you very much. 22 MR. REYNOLDS: I nave one of two questions. 23 RECROSS EXAMINATION 24 BY MR. REYNOLDS:

Q You indicated, I believe, that Davis-Besse will begin commercial operation in 1977?

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| eak31 | wheeling today than there have been in the past. Do you know |
| 2 | why that is? |
| 3 | A I think the primary reason has been the impetus |
| 4 | by the Nuclear Regulatory Commission to require people |
| 5 | to wheel as a condition of licensing. |
| G | Q In your view, does that increase in wheeling relate |
| 7 | in any way to the technology that has led to larger-scale |
| 8 | generation? |
| D | A No, I don't think those are related at all. |
| 10 | CHAIFMAN RIGLER: Which companies have been required |
| 11 | to wheel as a condition of licensing by the NRC? |
| 12 | THE WITNESS: I am afraid, sir, I can't give you a |
| 13 | list but I certainly have the impression from talking with our |
| 14 | people that the that this has been a strong impetus. |
| 15 | I have the impression also that many companies |
| 16 | have agreed to wheel rather than adjudicate the question |
| 17 | because of the delay that the hearing process might require. |
| 18 | MR. SMITH: However, technolgoy is an essential |
| 19 | aspect of it, isn't it? Normally, you would not have the |
| 20 | capacity which would require wheeling way a it not for the |
| 21 | technolgoy? |
| 22 | THE WITNESS: The way I interpreted his question |
| 23 | was that he was asking me whether there was something |
| 24 | in the technology now that is different than it was before |
| 25 | so many people began to wheel. As I see it, the trend toward |
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| eak4 | 1 | more wheeling has been relatively in the last several years |
| | 2 | and the basic technology of transmission systems and the ability |
| | 3 | to wheel and so forth, I don't think is any different now |
| | 4 | than it was 20 years ago. |
| | 5 | That is what I had in mind when I said in answer |
| | 6 | to his question that technology really wasn't a factor in the |
| | 7 | wheeling. We could have done the wheeling 20 year ago |
| | 8 | technically, just as easy as we can today. |
| | Э | MR. SMITH: The technology which required on an |
| | 10 | economic basis the formation of pools, when did that begin? |
| | 11 | When was the onset of that? |
| | 12 | THE WITENSS: Well, the pools have been forming |
| | 13 | over a long period of time. The PJM pool was organized |
| | 14 | 40 years ago. But the economy of scale, that aspect we |
| | 15 | were talking about earlier, probably has been an important |
| | 16 | factor since the early 1950s, when CEI installed a 250 mega- |
| | 17 | watt unit, its first in about 1954 or '55. |
| | 18 | And at that ime, for CEI, 250 was a large unit but |
| | 19 | it was a lot more economical than two, 125s would have been. |
| | 20 | The economy of scale concept was important more than 20 |
| | 21 | years ago. |
| | 22 | MR. SMITH: With that developed a need for higher |
| | 23 | capacity transmission and the need to gather loads? |
| | 24 | THE WITNESS: YEs. |
| | 25 | |
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BY HR. REYNOLDS:

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| 2 | Q With this increased copacity, in there anything |
| Э | that you know of that would suggree that and demandingian of |
| 4Ĵ | the power should be done under a abunding administration of |
| 5 | opposed to some other transmission same guarant that had |
| 6 | existed prior to the advent of wheeling? |
| 7 | MR. CHAPNO: I object to that grankien turbes |
| 8 | he specifies some other transmission arrangement. Se hear't |
| 0 | testified as to any other. |
| 10 | MR. LESSY: I object to the physics "neich be the |
| 11 | advant of wheeling". |
| 12 | BY MR. REYNOLDS: |
| 13 | Q On a contractual buy-sall excangement? |
| 14 | A I have already said that the ordinary, usual |
| 15 | kind of situation is for adjoining companies to buy and |
| 10 | sell with each other. If you want to carry is to a third party, |
| 17 | you buy from one and sell to the work. No have been doing |
| 18 | that for a long time. That is the typical, nost common |
| 19 | practice. I don't see any reason why that isn't the |
| 20 | feasible practice today. |
| 21 | It is the feasible practice today. It is being done |
| 22 | all the time. |
| 23 | MR. REYNOLDS: Thank you. |
| 24 | MR. HJELMFELT: I have no further questions. |
| 25 | |
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| arl 1 | MR. CHARNO: I think I only have one. |
| 2 | BY MR. CHARNO: |
| 3 | Q Doesn't a request to participate in CAPCO |
| 4 | presuppose a request to participate in all of its |
| 5 | generating units, including the fossil units? |
| 6 | A I would think as in the cases we have been |
| 7 | talking about if someone came to us and said, "I want to |
| 8 | join CAPCO," I would have to sit down and say, "Let's be |
| 9 | sure I understand what you are saying, and that you under- |
| 10 | stand what CAPCO is." |
| 11 | I don't think you can presuppose anything |
| 12 | particular behind that. You have really got to sit down |
| 13 | and say, "What do you mean by joining CAPCO?" |
| 14 | MR. CHARNO: I have nothing further. |
| 15 | MR. LESSY: No further cross. |
| 16 | CHAIRMAN RIGLER: Thank you very much, Mr. |
| 17 | Williams. |
| 18 | (Witness excused.) |
| 19 | MR. BUCHMANN: I call Mr. Hauser. |
| 20 | CHAIRMAN RIGLER: Can we take a five-winute |
| 21 | break? |
| 22 | Recess.) |
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| 1 | Whereupon, |
| 2 | DONALD HAUSER |
| 3 | was called as a witness on behalf of CEI and, having |
| 4 | been first duly sworn, was examined and testified as |
| 5 | follows: |
| 6 | MR. HJELMFELT: For the record, the City will |
| 7 | object to Mr. Hauser appearing as a witness, having |
| 8 | previously appeared as an attorney in these proceedings. |
| 9 | CHAIRMAN RIGLER: I baliave the Board indicated |
| 10 | what the ruling would be the last time we discussed this |
| 11 | on the record. The objection is overruled. |
| 12 | DIRECT EXAMINATION |
| 13 | BY MR. BUCHMANN: |
| 14 | Q Would you state your name and address for the |
| 15 | record? |
| 16 | A Donald H. Hauser. |
| 17 | Q By whom are you employed? |
| 18 | A The Cleveland Electric Illuminating Company. |
| 19 | Q I didn't let you get your address in. |
| 20 | A 8300 Glen Oak Drive, Broadview Heights, Ohio. |
| 21 | My business address is 55 Public Square, |
| 22 | Cleveland, Ohio. |
| 23 | Q In what capacity are you employed by the |
| 24 | Illuminating Company? |
| 25 | A As general attorney. |
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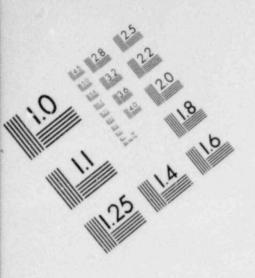
1 How long have you been with the Illuminating 0 2 Company? 3 25 years, this week. A 4 Which day, precisely? 0 5 The 30ch. A Would you briefly trace your employment history 6 0 7 with the Illuminating Company? 8 I started with the general legal staff of the A Illuminating Company as associate counsel. 9 Then counsel. 10 Senior counsel in 1957. 11 I became general supervising attorney of the 12 claims section in the Illuminating Company. 13 In 1964, I became managing attorney of the 14 legal department of CEI. 15 And then in 1972, I became corporate 16 solicitor. 17 And then in 1975, I became general attorney. 18 What are your responsibilities as general Q 19 attorney? 20 A To provide, either through the use of attorneys 21 employed directly by the company or through the utilization 22 of attorneys in law firms, not directly employed by CEI 23 to provide the legal representation for the company and 24 the legal advice and consultation required by the officers 25

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| 1 | and employees of CEI to carry out their respective |
| 2 | responsibilities. |
| 3 | Q Am I correct in assuming you are a member |
| 4 | of the bar of the Supreme Court of Ohio? |
| 5 | A Yes, I am. |
| G | Q Mr. Hauser, have you in your various espacities |
| 7 | at the Illuminating Company had occasion to become familiar |
| 8 | with the dealings between the Illuminating Company and the |
| 9 | City of Cleveland? |
| 10 | A Yes, I have. |
| 11 | Q When did that when did you start |
| 12 | participating in those dealings, if you did? |
| 13 | A Well, almost from the beginning of my employment |
| 14 | with CEI. |
| 15 | However, the heaviest concentration of my |
| 16 | responsibilities and activities involving the relationship |
| 17 | of CEI and the City of Cleveland and its Municipal Light |
| 18 | Plant would be somewhere around 1964 or '63, in that area. |
| 19 | Q And has your participation in those dealings |
| 20 | been continuous since that time? |
| 21 | A Yes, it has. |
| 22 | Q Mr. Hauser, are you familiar with the daalings, |
| 23 | if I may use that word, between the City of Cleveland and |
| 24 | the Illuminating Company with respect to interconnection? |
| 25 | A Yes, I am. |

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| 1 | Q And the two systems are presently interconnected, |
| 2 | are they not? |
| З | A They are. |
| 4 | Q When was that interconnection complete? |
| 5 | A That was completed and first energized in |
| G | May of 1975. |
| 7 | Q When did you rirst become involved in any dealings |
| 8 | with the City with respect to an interconnection? |
| 9 | A The first time that representatives of the |
| 10 | City of Cleveland approached CEI with regard to an inter- |
| 11 | connection was early in 1969. |
| 12 | Q Who were the representatives of the City of |
| 13 | Cleveland which were involved in that approach? |
| 14 | A Mr. Stefanski who was the director of utilities, |
| 15 | As these initial discussions or requests were pursued and |
| 16 | negotiations took place, people like Arnold Turkel |
| 17 | of the City of Cleveland was involved, and Mr. Ericson, |
| 18 | Mr. Bednar, Mr. Gulia, G-u-l-i-a. Mr. Kapitan, |
| 19 | K-a-p-i-t-a-n. |
| 20 | Q Who were these people? |
| 21 | A Mr. Stefanski was the director of utilities, the |
| 22 | position Mr. Kuduki. presently has. |
| 23 | Mr. Turkel was a professional engineer, and also |
| 24 | I believe his title at that time was executive commissiones |
| 25 | of utilities. |
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| | Mr. Ericson was a professional engineer who |
| 2 | consulted with the City of Cleveland. |
| . 3 | Mr. Bednar was also an engineer. |
| 4 | Also a name I didn't mention before was Mr. |
| . 5 | Matthrews, who was a long-time employee of the |
| G | Municipal System, and was at that time in a supervisory |
| 7 | capacity. |
| 8 | I'm not sure exactly what his title was. |
| 9 | Q You mentioned Mr. Kapitan. Who was ha? |
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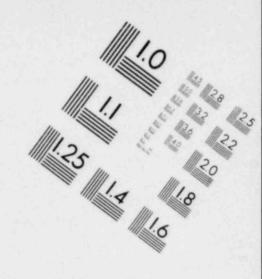
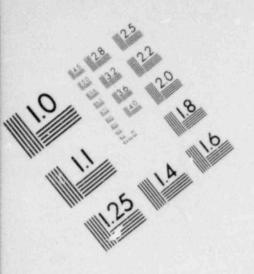


IMAGE EVALUATION TEST TARGET (MT-3)



MICROCOPY RESOLUTION TEST CHART





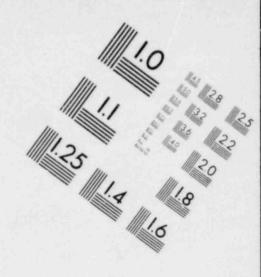
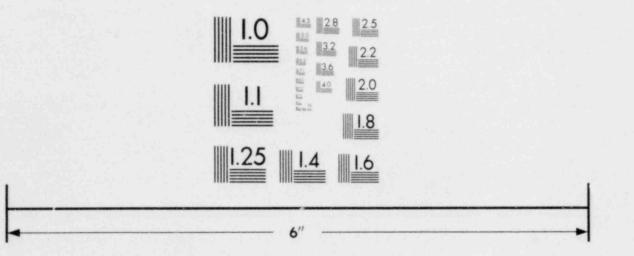


IMAGE EVALUATION TEST TARGET (MT-3)



MICROCOPY RESOLUTION TEST CHART



| 49 | 5 | A Mr. Kapitan was a lawyer in the law department |
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| bwl | 2 | of the City of Cleveland. |
| • | 3 | Q. Prior to the time you are talking about, early |
| | 4 | 1969, had the Illuminating Company ever approached the |
| | 5 | City to go in the opposite direction with respect to |
| | 6 | an interconnection? |
| | 7 | A. Yes, we had on a number of occasions proposed |
| | 8 | an interconnection between the two systems. |
| | 9 | Q I presume no interconnection resulted? |
| | 10 | A No interconnection resulted. In fact, there were |
| | 11 | quite a number of people associated with the municipal |
| | 12 | light plant that opposed an interconnection on the ground |
| | 13 | that it should remain as an isolated system and that the |
| | 14 | interconnection with CEI would mean the ned of the municipal |
| | 15 | system. |
| | 16 | I might say that these sentiments continued |
| | 17 | even after well, even after discussions begain in '68 with |
| | 13 | regard to an interconnection and, in fact, as late as April |
| | 19 | of 1975, right about the time we had an agreement ready for |
| | 20 | execution. |
| | 21 | There was some thoughts expressed in the utilities |
| | 22 | committee of counsel that they should not enter into an |
| | 23 | interconnection agreement with CEI. |
| | 24 | Q Now you say the City first approached you, going in |
| | 25 | that direction, in early 1969. What was the request made by the |
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| 3 | some temporary service to them while they ald cartain sould |
| 4 | on several of their units to install air pollution control |
| 5 | equipment, precipitators and this type of thing. |
| 6 | Q I sec. |
| 7 | And what happened? What did you do? |
| 3 | A Well, the our engineers got together with |
| 9 | their engineers and technical people and into the summar of |
| 10 | 1969, they worked out a system that turned out to be the |
| \$1 | transfer of certain loads. |
| 12 | We later did refer to it as load transfer |
| 13 | service. Then toward the fall of '68, really not much |
| 14 | happened until during the Holidays in 1969, Christmas, |
| 15 | New Years time, the municipal system had a sorious system |
| 16 | outage and then these plans that were developed for the |
| 17 | period in which precipitators and other air pollution |
| 18 | control equipment was to be installed were dusted off to |
| 19 | provide in the shortest possible time some assistance to |
| 20 | the customers of the municipal light plant. |
| 21 | Q. What do you mean in the shortest possible time? |
| 22 | A As I say, this outage occurrad between |
| 23 | Christm s and New Years. And we were able to energize the |
| 24 | load transfer points early in February of 1970. |

A. The request initially by the City was to previde

I might say that this was part of a three-phase

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| E vrd | 1 | program. Phase one was a temporary load transfer service. |
| | 2 | Phase 2 was to be a firmer load transfer arrangement and |
| • | 3 | Phase 3 was to be a permanent interconnection britmen the |
| | 4 | two systems. |
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| al:1 | Q Why go through these steps? Why not go directly |
| 2 | to a permanent interconnection? |
| 3 | A A permanent interconnection was not possible in |
| 4 | the time required. At that time the lead time on equipment |
| 5 | for a permanent interconnection was something in the order |
| 6 | of two years, 30 months, something like that. |
| 7 | Q And the lights were already out? |
| 8 | A That's correct. |
| 9 | Q How did the load transfer system work, and I |
| 10 | don't mean from an engineering thing, but how was it actuated? |
| 11 | A Well, at different spots on the systems of both |
| 12 | utilities, a CEI supply, or let's say a cable would be |
| 13 | connected to a cable of the Municipal System serving, for |
| 14 | example, a substation. |
| 15 | Then through appropriate switching that |
| 16 | municipal substation would be supplied by CEI rather than |
| 17 | by the Municipal System. |
| 18 | Q Now how did you know the City didn't use |
| 19 | the load transfer service 100 percent of the time, did it? |
| 20 | A When the load transfer transfers were |
| 21 | effective, they would utilize that service until they would |
| 22 | be disconnected at some time. |
| 23 | Q That is the point I want to get to. How did you |
| 24 | know when the City wanted to use the load transfer service? |
| 25 | What happened? |

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| 1 | A They would their operating personnel would |
| 2 | call operating personnel of CEI to arrange for the load |
| 3 | transfers one way or the other. Either to CEI, or from |
| 4 | CEI back to MELP. |
| 3 | Q And do you know, how were these requests made? |
| 6 | We have to have it right away, or was there any lead time |
| 7 | on these things? |
| 8 | A In most cases there weas lead time. For example, |
| 9 | the initial energizing of the load transfer service, and |
| 10 | this was true throughout the pariod that load transfer |
| 11 | service was provided. |
| 12 | Q Actually, when the transfer was máde, this |
| 13 | requires a disconnecting of one system and then a |
| 14 | connecting of the other, does it not? |
| 15 | A That's correct. |
| 16 | Q That results in an outage, if that is the right |
| 17 | word, to the customer? |
| 18 | A That's correct. |
| 19 | Q Do you have records which would indicate the |
| 20 | licensing of time that those outages would last? |
| 21 | A Yes. And also the City kept records of the |
| 22 | times of the outages. In most cases, the outage would be |
| 23 | in the area of a minute. Sometimes less, and sometimes a |
| 24 | few seconds more. |
| 25 | Q There is testimony in this record that when the |

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| 1 | City operating people contacted the CEI operating people, the |
| 2 | latter would contact you. |
| 3 | A Yes. |
| 4 | Q Could you tell us the reason for that? |
| 5 | A Again we are talking about a period from Pabruary |
| 6 | of 1970 until May of 1975. There were a number of |
| 7 | reasons:" |
| 8 | One, we were involved in litigation at least |
| 9 | since 1971, and this involved a number of forms involving |
| 10 | CEI and the City of Cleveland and the Municipal System. |
| 11 | Secondly, in addition to the responsibilities |
| 12 | that I had in that litigation, I was the coordinator of |
| 13 | day-to-day activities involving CEI and the City of |
| 14 | Cleveland. |
| 15 | Of course, very important were the orders of the |
| 16 | Federal Power Commission that established at least from early |
| 17 | 1972 the standards and criteria pursuant to which the |
| 18 | service was provided. |
| 19 | Before that date, it was provided to letter |
| 20 | agreement with the City of Cleveland which was supplemented |
| 21 | and which had been filed with the Federal Power Commission |
| 22 | and became FPC No. 7. |
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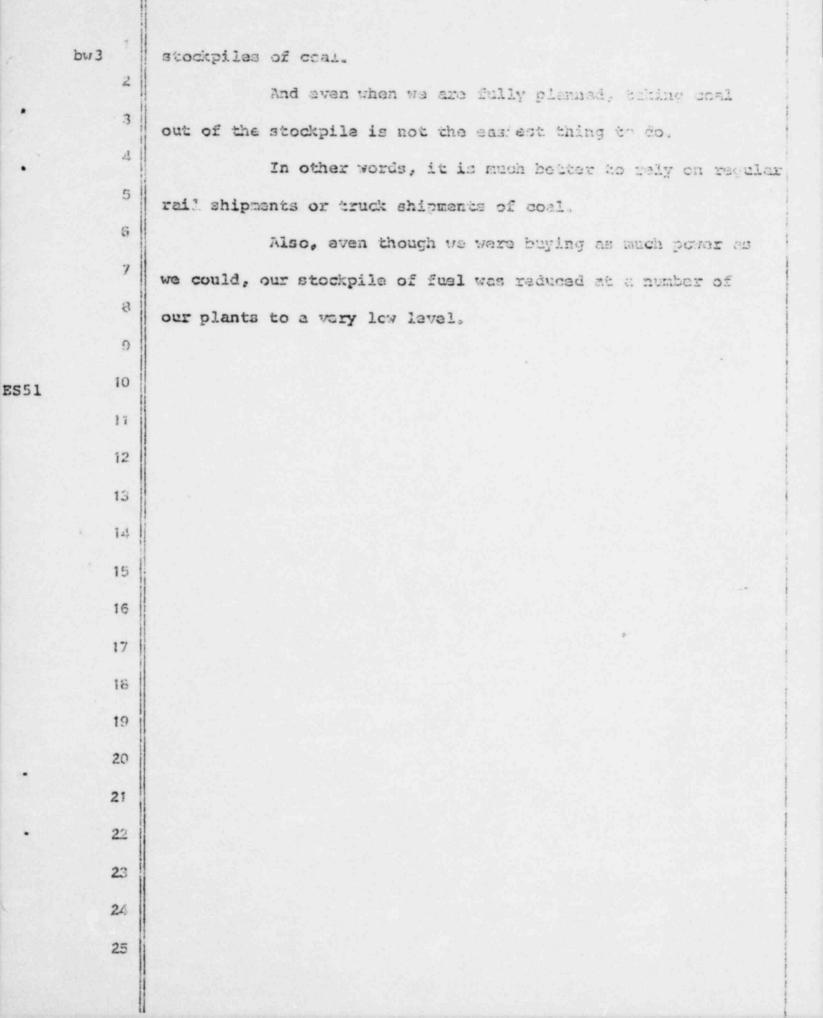
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| | Q That is a CEI tariff designation? |
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| 2 | A. That is correct. |
| 3 | Q Having given us that background, why did you want |
| 4 | tchave people call you when the City requested a load |
| 5 | transfer? |
| 6 | A. To make certain that CEI did comply with the |
| 7 | standards and and criteria for providing that service |
| 8 | and that it complied with the orders of the Federal Dower |
| 9 | Commission and secondly, to make certain that the City |
| 10 | of Cleveland was also abiding by first the contract and |
| 12 | then later, the orders of the Federal Pover Commission. |
| 1 | Q Can you give me some idea of the standard and |
| | criter are talking about? |
| | A WEll, principally, it was whather or not the |
| | municipal system could handle its own load on the one |
| | hand and whether CEI from its standpoint and its customers |
| | standpoint, provids the service requested. |
| | Q Now, during that period also, did you have any |
| | labor difficulties on the CEI system? |
| . | A. Yes, Beginning in May of 1973 and particularly |
| 21 | through, I think it was September 22 of *73, we had a strike |
| | of our bargaining unit personally. That is approximately 2900 |
| | out of 4900 employees. |
| | During this period, the system was operated by non- |
| | bargaining unit people or supervisory and what we refer to as |
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| bw2 | classified employees. During this period of time, was the |
| 2 | first time that the procedure was set to talk to me first before |
| 3 | any load transfer service was provided or disconnected. |
| 4 | I had been called frequently before this period, but |
| 5 | during the period of the strike this procedure was |
| 6 | established. |
| 7 | I have learned in the course of the discovery |
| a | and the hearing process in these proceedings that a |
| 9 | number of our operating people understood that procedure |
| 10 | to be required both before and after the stike in 1973. |
| 11 | Q Why did you institute it during the strike? |
| 12 | A. Well |
| 13 | Q. When you say institute you mean as a formal |
| 14 | procedure? |
| 15 | A It wasn't written down. It was established as |
| 16 | a procedure to be followed by everyone in the company who |
| 17 | was involved with the muricipal light plant. As I said |
| 18 | before, we were operating our entire system with supervisory |
| 19 | personnel, must of whom had not done the type of work they |
| 20 | were called upon to do during this period of time. |
| 21 | Of course, in the strike, we had difficulties |
| 22 | with strikers and pickets at various locations. |
| 23 | They interfered with the operation of the system, |
| 24 | the access to its facilities. Also, regular rail shipments |
| 25 | at least to a good many of our plants we are disrupted so that |
| | we had to take coal for an extensive part of this time from our |
| | |



| arl 1 | Q Like what do you recall? |
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| 2 | A Like in one of the plants, as I recall, it was |
| 3 | down to 11 days. At another, maybe 13. |
| 4 | The Avon Lake Plant and the Ashtabula Plant, I |
| 5 | wouldn't say we were able to restore normal rail shipments, |
| 6 | but we didn't have the coal supply problems at those that we |
| 7 | had at the other two plants. |
| 8 | And, of course, during this period we were |
| 9 | interested in conserving, as I say, our manpower. We were |
| 10 | also interested in conserving our fuel supply, and to the |
| 11 | extent MELP could take care of their own requirements, we |
| 12 | thought they should. |
| 13 | Q By the way, what would you consider normal |
| 14 | fuel pile, or what did you consider it in those days? |
| 15 | A 60 days, and at one time it was 90 days, but 60 |
| 16 | days. |
| 17 | Q In making the load transfers, how is the switching |
| 18 | done? Is it done from some central headquarters? |
| 19 | A No. Usually it requires let's say it is |
| 20 | directed from a central headquarters, both ours and the |
| 21 | Municipal System. |
| 22 | Both MELP and ours send crews to the field to make |
| 23 | switches at the appropriate locations to transfer load one |
| 24 | way or the other. |
| 25 | Q Did the Municipal System ever ask CEI, to your |
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| 1 | knowledge, to activate the load transfer points on which |
| 2 | |
| | occasion CEI refused? |
| 3 | A The answer is yes. This was extremely unusual, |
| 4 | but I can recall several occasions in which we refused to |
| 5 | do so. |
| 6 | Q Could you give me what would be the reason |
| 7 | for such a refusal? |
| 8 | A That we dould not supply the service without |
| 9 | adversely affecting some of our firm power customers of |
| 10 | CEI? |
| 11 | Q Did you ever ask the municipality or advise the |
| 12 | municipality that you were going to terminate the load |
| 13 | transfer service on a given occasion when the City wanted |
| 14 | to continue it? |
| 15 | A Yes, we did. |
| 16 | Q Did that happen frequently? |
| 17 | A No, that was infrequent also. |
| 18 | Q What would be the reasons for that? |
| 19 | A One, we filed a notice of termination basore the |
| 20 | Federal Power Commission. |
| 21 | There were we also advised them before we |
| 22 | filed that notice of termination that in April, I think, of |
| 23 | 1971 that if they didn't pay the bills which they oved |
| 24 | us at that time, which were in excess of \$1 million, we ware |
| 25 | going to terminate service. |
| | |

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| 1 | Q Did they pay the bill? |
| 2 | A No. |
| 3 | Q Did you terminate service? |
| 4 | A No. |
| 5 | Q Why not? |
| G | A First of all, we filed a notice of termination |
| 7 | with the Federal Power Commission. That was estended for |
| 8 | periods of time during 1971 when we ware attempting to |
| 9 | negotiate a settlement of the differences between the City |
| 10 | of Cleveland and ourselves with regard to various disputes among |
| 11 | them. |
| 12 | As I say, including the payments. |
| 13 | These negctiations, and the FPC Staff was involved |
| 14 - | to a certain extent in these negotiations, ware not successful |
| 15 | and finally in December of 1971 we did not extend our |
| 16 | notice of termination. |
| 17 | However, the Federal Power Commission did order a |
| 18 | five-months suspension of termination of the load |
| 19 | transfer service so it continued after that last date of |
| 20 | our notice of termination. |
| 21 | CHAIRMAN RIGLER: We will resume at 9:30 |
| 22 | tomorrow morning. |
| 23 | (Whereupon, at 4:30 p.m., the hearing |
| 24 | was adjourned, to reconvene at 9:30 a.m., |
| 25 | Tuesday, May 25, 1976.) |
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