

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by hand delivery (*) or U. S. Mail this 1st day of February, 2000 to the following:

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Florida Public Service Commission
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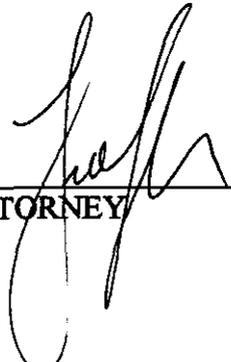
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ATTORNEY

1 A. No, but this case is not typical. The remote purchased
2 power alternatives are replacing power generated from an
3 existing large plant near the load center of Tampa
4 Electric. The transmission infrastructure required for
5 generation located at or near the ultimate load is
6 minimal compared to the required infrastructure to
7 replace it with remote generation possibly hundreds of
8 miles away.

9
10 In this case, from a transmission perspective, the use of
11 remote generation is not practical or efficient.
12 Replacing the GRP capacity with remote purchased capacity
13 would have dual repercussions in that it would be
14 necessary, first, to upgrade the grid to interconnect new
15 generation sources, and second to redesign the Tampa
16 Electric grid and the state grid capacity to replace
17 Gannon Station. Some people could be surprised by the
18 second repercussion because they were only expecting the
19 first. Another way to help understand the dual impact is
20 to recognize that the GRP represents an incremental
21 impact to the Tampa Electric and state transmission grid
22 of only 300 MW, whereas the purchased capacity option
23 represents an impact the size of the entire Gannon
24 Station (1409 MW Summer, 1598 MW Winter).

25

1 Q. Are there other factors to consider with respect to local
2 and remote generation from a transmission perspective?

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4 A. Yes. It is impractical, inefficient and possibly
5 infeasible to serve a major load center wholly with
6 remote generation resources. While the power industry
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TAMPA ELECTRIC COMPANY
DOCKET NO. 992014-EI
WITNESS: CHARLES R. BLACK
EXHIBIT NO. _____ (CRB-1)
REVISED: FEBRUARY 1, 2000

TAMPA ELECTRIC COMPANY
EXHIBIT OF CHARLES R. BLACK
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**GANNON REPOWERING PROJECT
CAPITAL COST PROJECTIONS**

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	CURRENT ESTIMATE
ENGINEERING	26,808,840
CONSTRUCTION MGMT, STARTUP LABOR	5,750,580
POWER BLOCK	294,026,069
SCR CONTROL TECHNOLOGY	8,000,000
EQUIPMENT	28,991,855
PIPING, VALVES, INSTRUMENT & CONTROL	45,751,131
GENERAL CONSTRUCTION	124,611,181
OWNERS' COSTS	48,986,959
DEMOLITION	1,614,447
SWITCHYARD / T&D	<u>15,091,000</u>
SUBTOTAL W/O AFUDC	<u>599,632,063</u>
AFUDC	<u>73,317,000</u>
TOTAL W/AFUDC	<u><u>672,949,063</u></u>