

ORIGINAL

1                                   BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

2                                   PREPARED DIRECT TESTIMONY

3                                   OF

4                                   C. DAVID SWEAT

5  
6    **Q.**    Please state your name, address, occupation and employer.

7  
8    **A.**    My name is David Sweat. My business address is 702 North  
9           Franklin Street, Tampa, Florida 33602. I am the Manager  
10          of System Planning in the Energy Delivery Department of  
11          Tampa Electric Company ("Tampa Electric" or "the  
12          company").

13  
14   **Q.**    Please provide a brief outline of your educational  
15          background and business experience.

16  
17   **A.**    I received a Bachelor of Science degree in Electrical  
18          Engineering in 1987 and a Master of Science degree in  
19          Engineering Management in 1993 both from the University  
20          of South Florida. I am a Registered Professional  
21          Engineer in the State of Florida.

22  
23          During the past 12 years, my responsibilities at Tampa  
24          Electric have included engineering and management  
25          positions in Substation Engineering.

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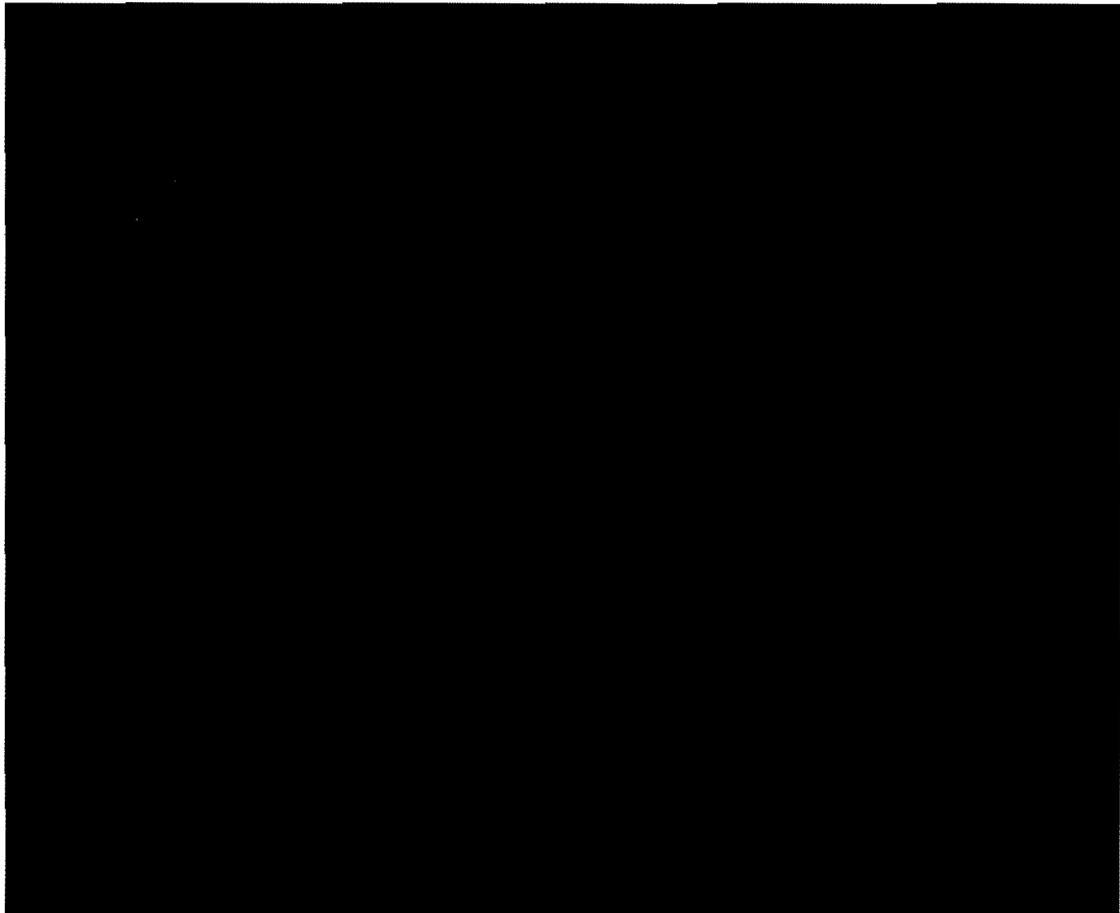
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Operations and System Planning. In 1998 I was promoted to my current position as the Manager of System Planning in the Energy Delivery Department. My areas of responsibility include directing, producing and communicating the development of the bulk transmission, subtransmission and distribution system for construction and maintenance programs in the most cost effective and reliable manner.

**Q.** What is the purpose of your testimony in this proceeding?

**A.**



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**Q.** Have you prepared an exhibit supporting your testimony in this proceeding?

**A.** Yes. My Exhibit No. \_\_\_ (CDS-1) consists of two documents prepared under my direction.

**Q.** Where did Odyssey site its new facility?

**A.** Odyssey sited its new bleach plant in the Tampa East Industrial Park in Hillsborough County outside of the Tampa City limits. This site is located northwest of the S.R. 60 and US 301 intersection in Tampa Electric's Eastern Service Area as noted in Document No. 1 of my exhibit.

**Q.** Was Tampa Electric's existing infrastructure in the area adequate to serve Odyssey and the area's anticipated load growth?

**A.** No. The distribution system in the proposed geographical area for the new Odyssey plant was already heavily

1 loaded. The addition of any new large customer would  
2 have required an expansion of the distribution capacity  
3 in the area. In Tampa Electric's 1998-2002 construction  
4 plan, an additional 13kV distribution circuit had already  
5 been scheduled to be constructed to serve this area from  
6 the Orient Park Substation by 2001 at an estimated cost  
7 of \$358,000. One option to meet the additional load from  
8 Odyssey would have been to accelerate the Orient Park  
9 distribution circuit addition from the original 2001 in-  
10 service date. However, additional system improvements  
11 would still have been required to meet the originally  
12 projected future loads in the area.

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14 **Q.** How did the company determine what incremental facilities  
15 were necessary?

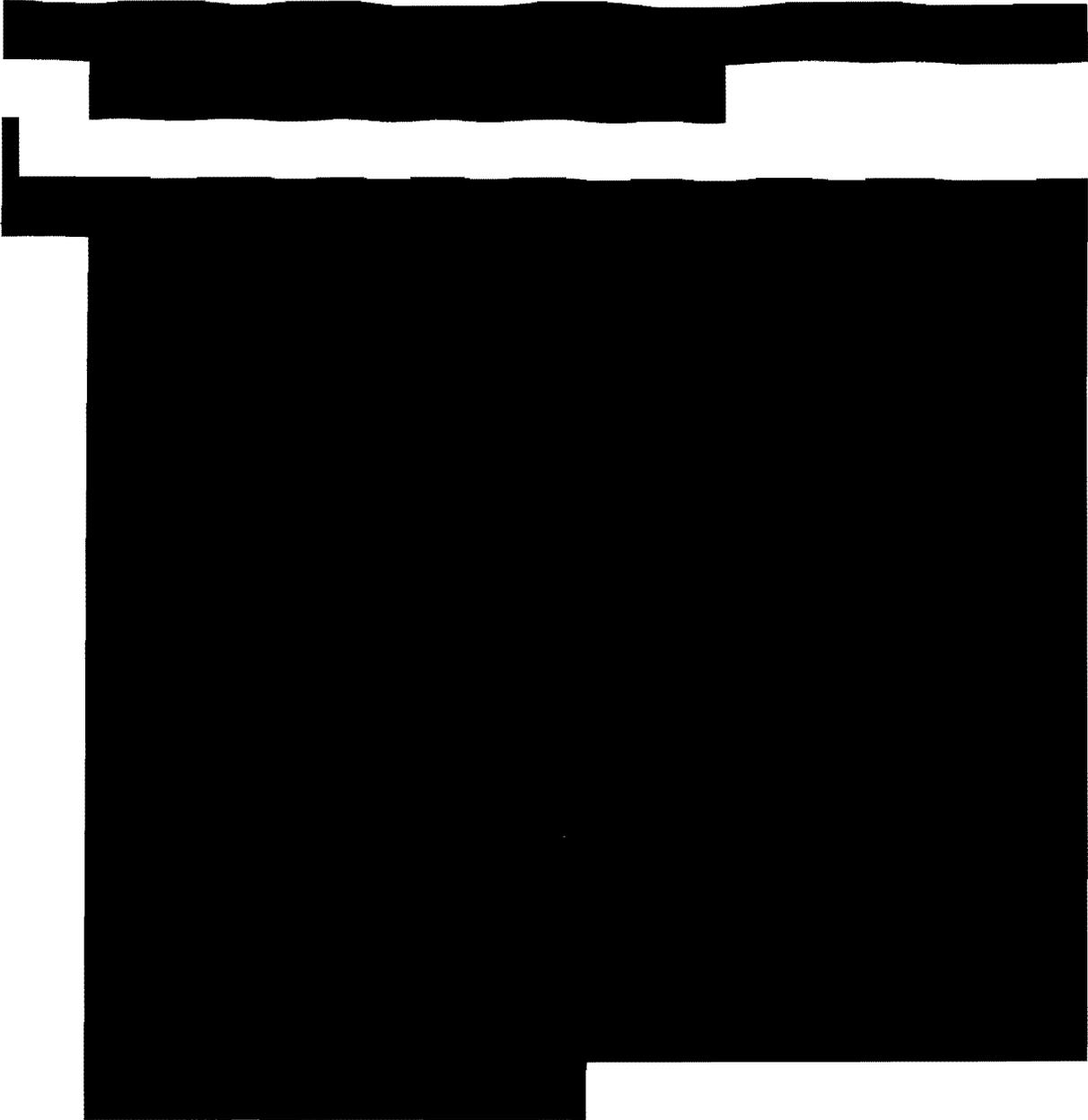
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17 **A.** The company's Distribution System Planning Department  
18 reviews large customer projects and their impacts on the  
19 existing distribution system and identifies system  
20 modifications that may be required to serve those  
21 customers. In the case of Odyssey, the customer  
22 estimated the load in the first year of operation to be  
23 between 4 MW and 6 MW with a total build-out for the  
24 facility at approximately 10 MW. The normal loading  
25 capacity for Tampa Electric's distribution circuits is 6

1 MW to 8 MW. Consequently, there was no available  
2 distribution circuit capacity in the geographical area to  
3 serve this customer. After several options for service  
4 were reviewed and assessed, the company determined that  
5 the greatest benefits to Tampa Electric came by building  
6 a standard 28 MVA substation near the Odyssey plant. As  
7 discussed in the direct testimony of Tampa Electric  
8 witness William Ashburn, Odyssey offered a long-term  
9 lease and easement on its property for a substation site  
10 at no cost to Tampa Electric. The substation would not  
11 only serve Odyssey and its expected load growth, but the  
12 substation could also be utilized to unload other heavily  
13 loaded circuits in the area.

14  
15 **Q.** How did you calculate the value of the new facility?  
16

17 **A.** Estimates for costing of the new substation were  
18 consistent with Tampa Electric's project estimating  
19 procedures. Advantages in constructing this substation  
20 included the estimated \$301,000 value of the substation  
21 land, easements, and site preparation provided by  
22 Odyssey at no cost to Tampa Electric. Furthermore, the  
23 cost of the transmission line feeding the substation was  
24 also minimized at this site as the 69 kV line was within  
25 106 feet of the proposed substation.

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**Q.** Where did Allied/CFI propose to site its new facility?

**A.** Allied's proposed plant was to be located at its existing facility in South Tampa within the Tampa City limits near the intersection of West Shore Boulevard and Tyson Avenue

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as noted in Document No. 2 of my exhibit.

[REDACTED]

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11 Q. Does this conclude your testimony?

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13 A. Yes it does.

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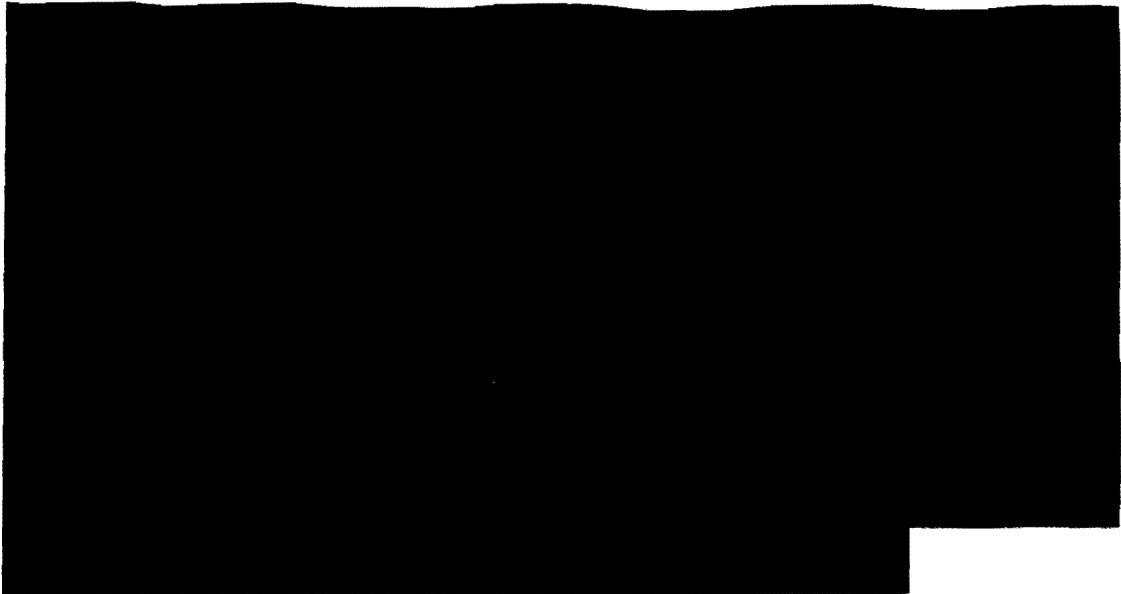
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TAMPA ELECTRIC COMPANY  
DOCKET NO. 000061-EI  
WITNESS: C. DAVID SWEAT  
EXHIBIT NO. \_\_\_\_\_ (CDS-1)

**TAMPA ELECTRIC COMPANY**  
**EXHIBIT OF C. DAVID SWEAT**

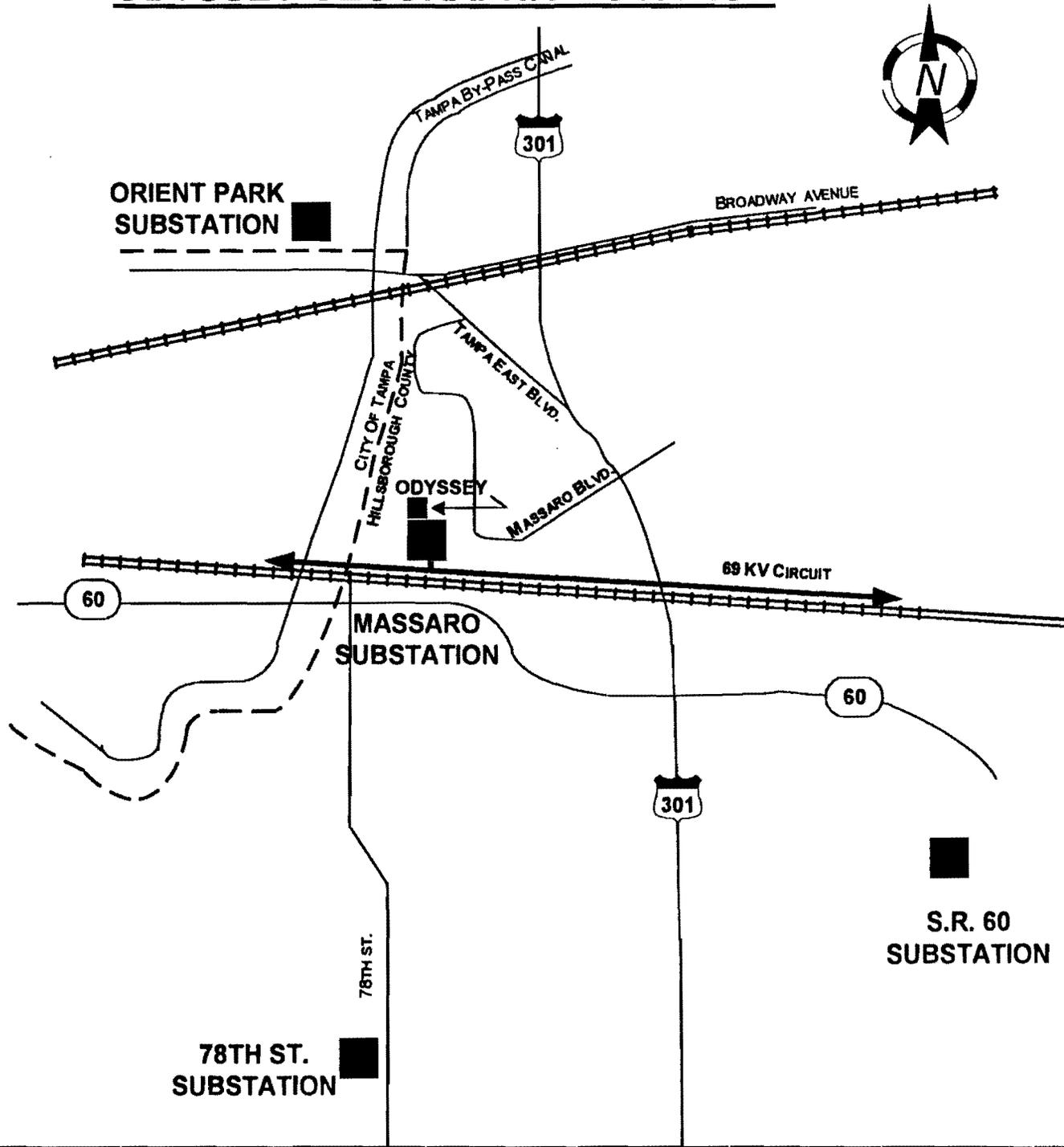
**INDEX**

DOCUMENT NO.	TITLE	PAGE
1	Odyssey Geographic Location	1
2	Allied Geographic Location	3

TAMPA ELECTRIC COMPANY  
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EXHIBIT NO. \_\_\_\_\_ (CDS-1)  
DOCUMENT NO. 1

DOCUMENT NO. 1  
ODYSSEY GEOGRAPHIC LOCATION

# ODYSSEY GEOGRAPHIC LOCATION



2

TAMPA ELECTRIC COMPANY  
DOCKET NO. 000061-EI  
WITNESS: C. DAVID SWEAT  
EXHIBIT NO. \_\_\_\_\_ (CDS-1)  
DOCUMENT NO. 2

DOCUMENT NO. 2  
ALLIED GEOGRAPHIC LOCATION

**The information on this  
page has been redacted.**