

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Review of Florida Power
Corporation's Earnings, Including Effects
of Proposed Acquisition of Florida Power
Corporation by Carolina Power & Light

DOCKET NO. 000824-EI

Submitted for Filing:
February 11, 2002

CONFIDENTIAL
REBUTTAL TESTIMONY
OF
ROBERT A. SIPES

ON BEHALF OF
FLORIDA POWER CORPORATION

MJ 9.15.03
CONFIDENTIAL
CONFIDENTIAL

JAMES A. MCGEE
FLORIDA POWER CORPORATION
Post Office Box 14042
St. Petersburg, FL 33733-4042
Telephone: (727) 820-5184
Facsimile: (727) 820-5519

Gary L. Sasso
Jill H. Bowman
W. Douglas Hall
CARLTON FIELDS
Post Office Box 2861
St. Petersburg, FL 33731
Telephone: (727) 821-7000
Facsimile: (727) 822-3768
Attorneys for Florida Power Corporation

DOCUMENT NUMBER - DATE

02512 MAR-4-02

FPSC-COMMISSION CLERK

1 statistic. CEMI5 is the number of customers experiencing greater than 5 outages
2 on a percentage basis. JEB-1 (Figure 5).

3 **Regional Comparison**

4 Looking at some of these same reliability performance indices, SAIDI,
5 SAIFI, and CAIDI, and comparing them to the reliability performance levels of
6 other utilities in the Southeast, the Commission will note that Florida Utilities
7 compare favorably. BEGIN CONFIDENTIAL. In Edison Electric Institutes
8 2000 Reliability Report, June 2001, Edison Electric compared the distribution
9 reliability reporting of 58 Companies across the various North American Electric
10 Reliability Council (“NERC”) regions, including those from the Southeast
11 Reliability Council (“SERC”) and Florida Reliability Coordinating Council
12 (“FRCC”). As displayed in RAS-2 (Figures 1-6), Florida Power’s SAIDI, CAIDI
13 and SAIFI scores perform fairly well when compared to other companies in the
14 Southeast. Indeed, Florida Power generally appears towards the top or lands right
15 in the middle of the pack. END CONFIDENTIAL. This level of reliability is
16 right in line with Florida Power’s pre-merger approach to reliability and
17 conservative levels of investment and clearly demonstrates that Florida Power has
18 indeed achieved a fair level of performance reliability.

19 **National Comparison**

20 Similarly, BEGIN CONFIDENTIAL when compared with other IOUs
21 across the Country based on year-end 1999 data, Florida Power’s own 1999
22 SAIDI performance would have placed it in the second-quartile, its 1999 SAIFI in
23 the third-quartile, and its 1999 CAIDI in the top-quartile. RAS-3 (Figures 1-3).

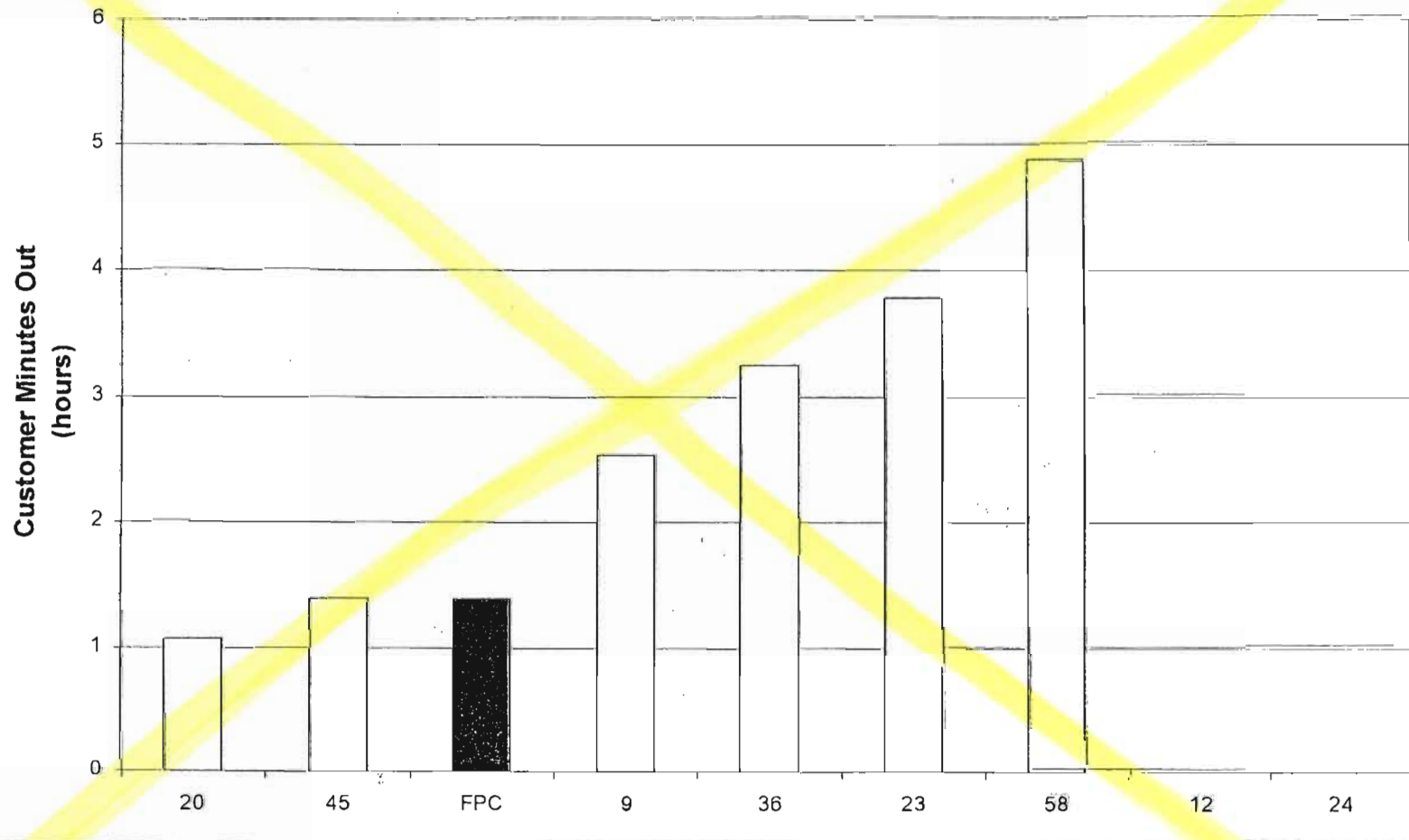
1 PA Consulting Groups' Annual Electric Distribution Reliability Best Practices
2 Survey, December 2000, Final Report. Comparing Florida Power's SAIDI,
3 SAIFI, and CAIDI numbers to a sub-set of only Large Utilities (over 800,000
4 customers) in the same report, Florida Power's SAIDI, again ranks in the second-
5 quartile, its SAIFI ranks in the third-quartile, and its CAIDI ranks in the second-
6 quartile. RAS-3 (Figures 4-6). Id.

7 Looking at 2000 data in the Edison Electric report, Florida Power also
8 fairs well when compared to other utilities across the nation. As seen in the
9 graphs found at RAS-4 (Figures 1-6), Florida Power's SAIDI performance
10 viewed with and without major storms is in the second-quartile. Likewise,
11 Florida Power's CAIDI performance both with and without major storms is in the
12 second-quartile, and Florida Power's SAIFI performance with and without major
13 storms is in the third-quartile. END CONFIDENTIAL.

14 Moreover, the Commission should be pleased to discover that utilities in
15 the FRCC compare favorably with utilities in other reliability regions across the
16 Country as well. BEGIN CONFIDENTIAL. In the same Edison Electric 2000
17 Reliability Report, identified above, the three FRCC companies reporting had
18 some of the best SAIDI and CAIDI scores and about average SAIFI scores. RAS-
19 5 Figures (1-6). END CONFIDENTIAL.

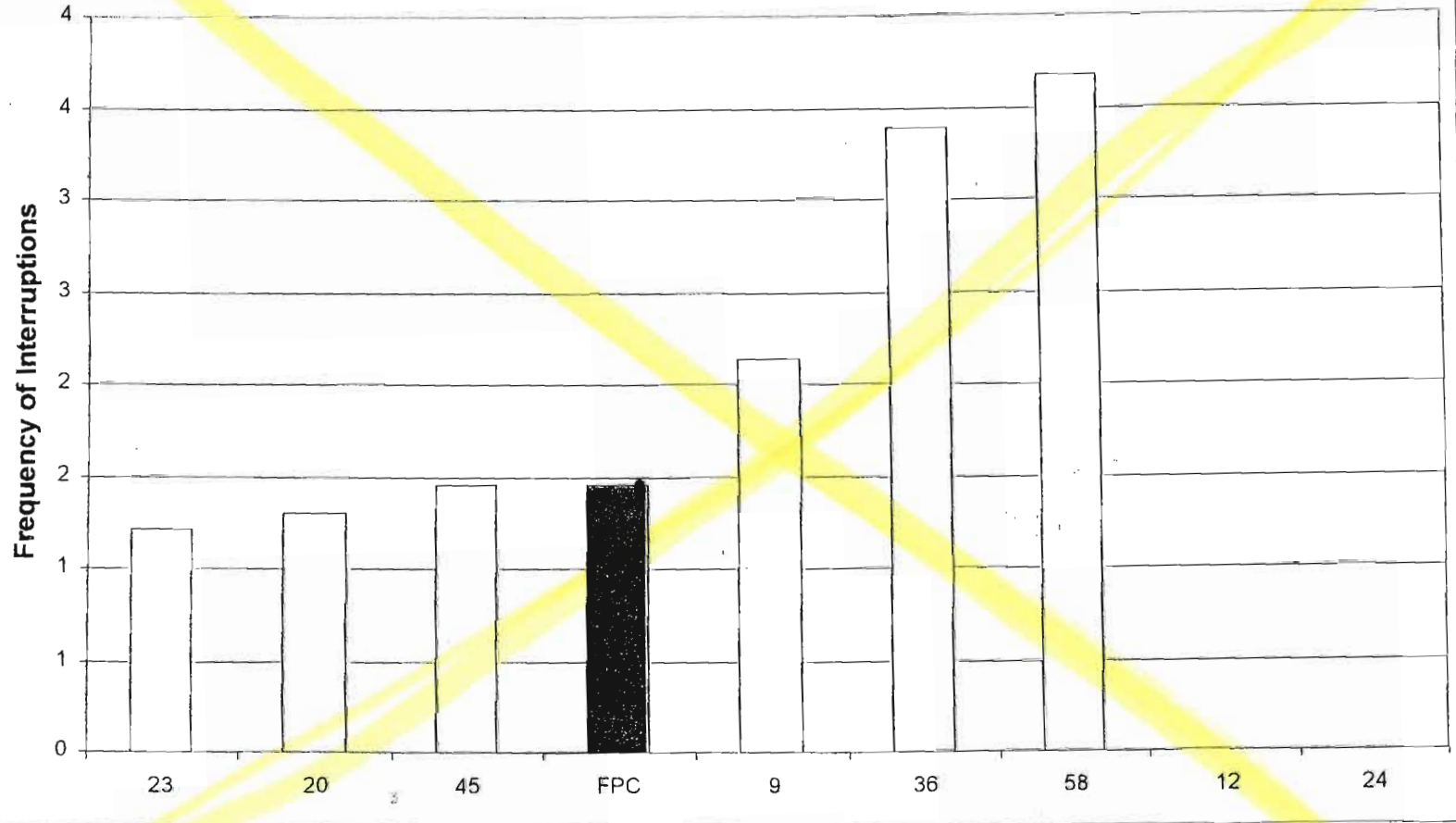
20
21 Q. Are there any other clarifications that should be made concerning Florida
22 Power's reliability performance in comparison with Florida's other IOUs?

Edison Electric Institute 2000 Reliability Report - Southeast Region
CAIDI (including all interruptions)



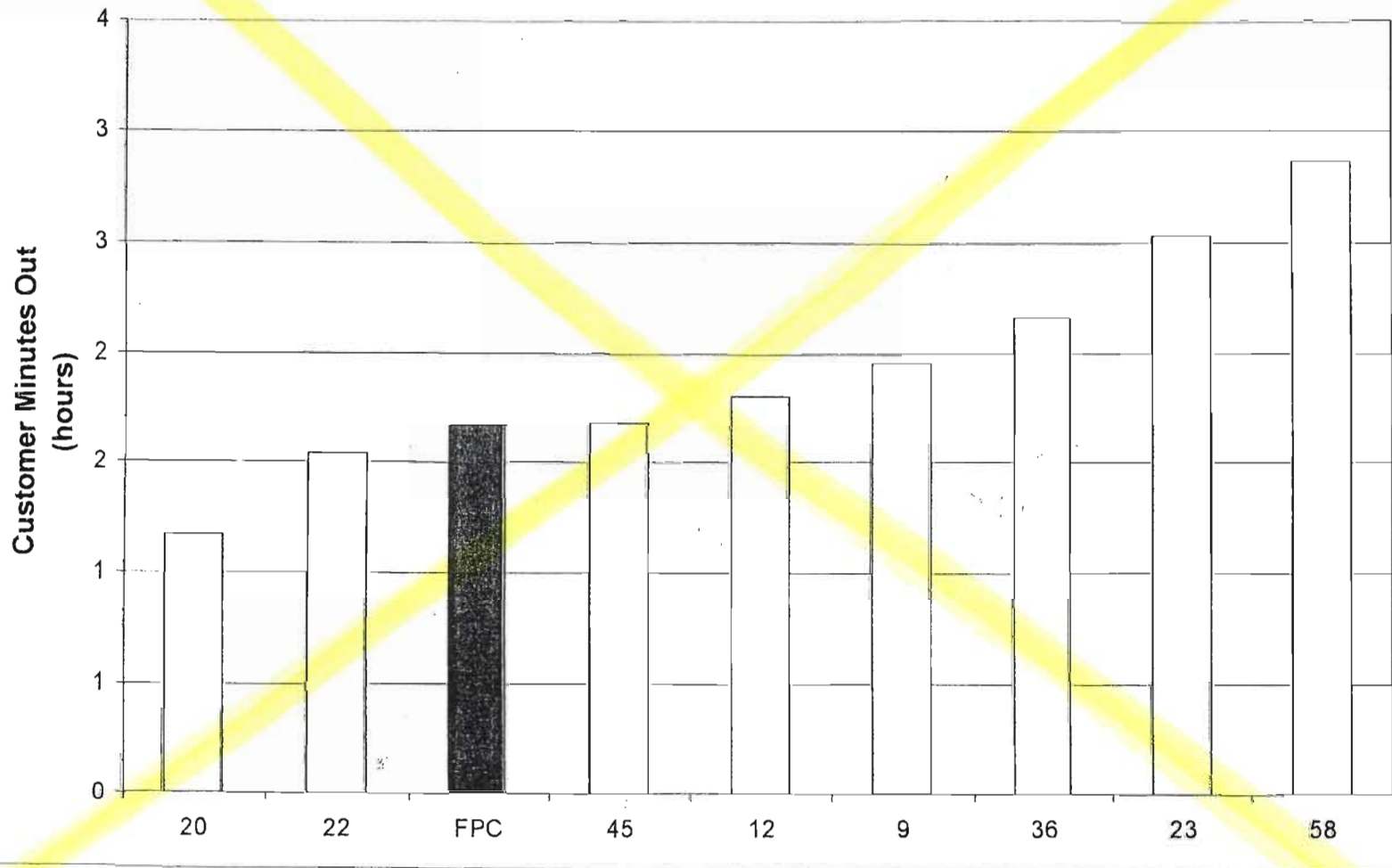
RAS 2
FIGURE 2
CONFIDENTIAL

Edison Electric Institute 2000 Reliability Report - Southeast Region
SAIFI (including all interruptions)



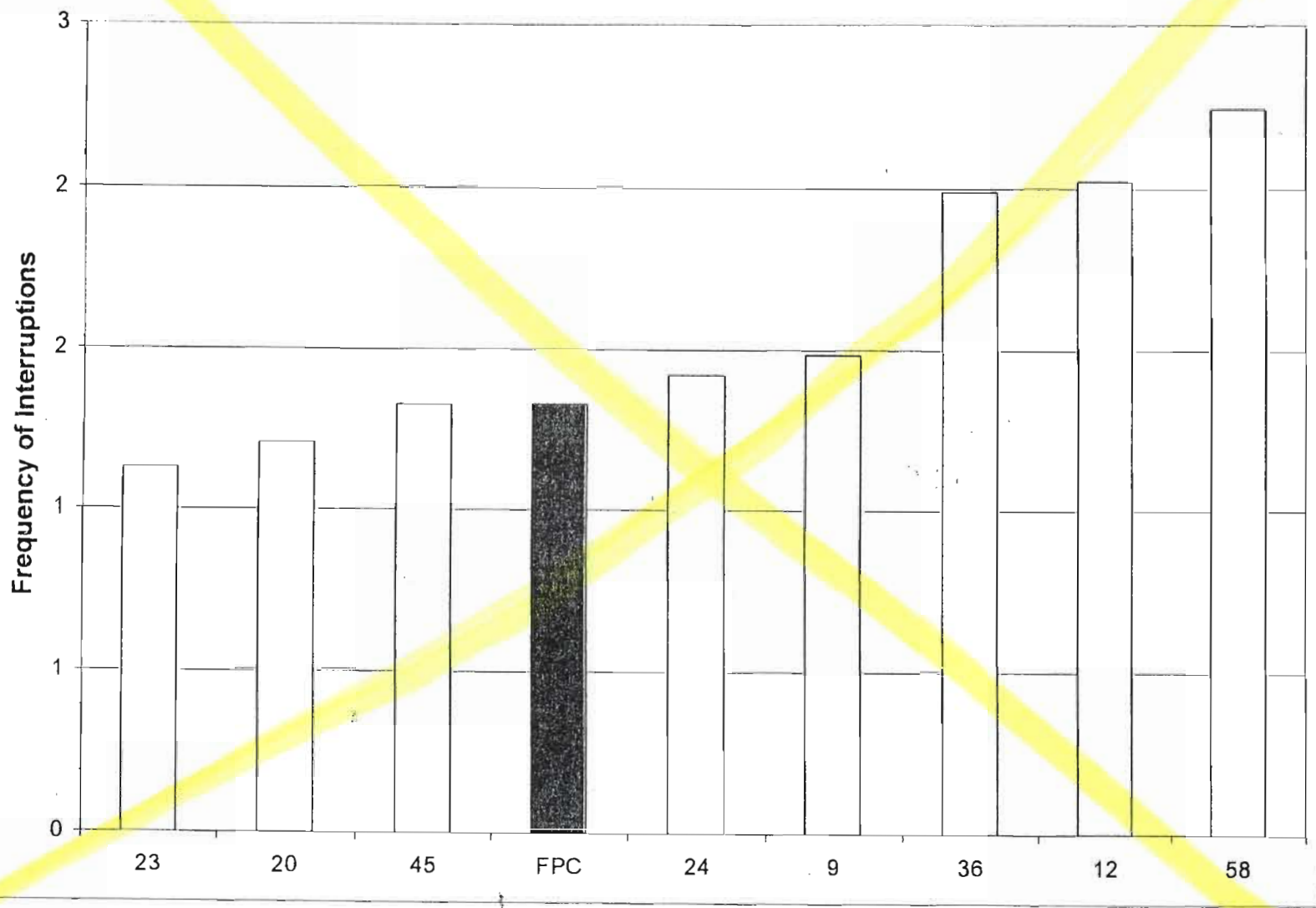
RAS 2 - FIGURE 3
CONFIDENTIAL

Edison Electric Institute 2000 Reliability Report - Southeast Region
SAIDI (excluding major storms)

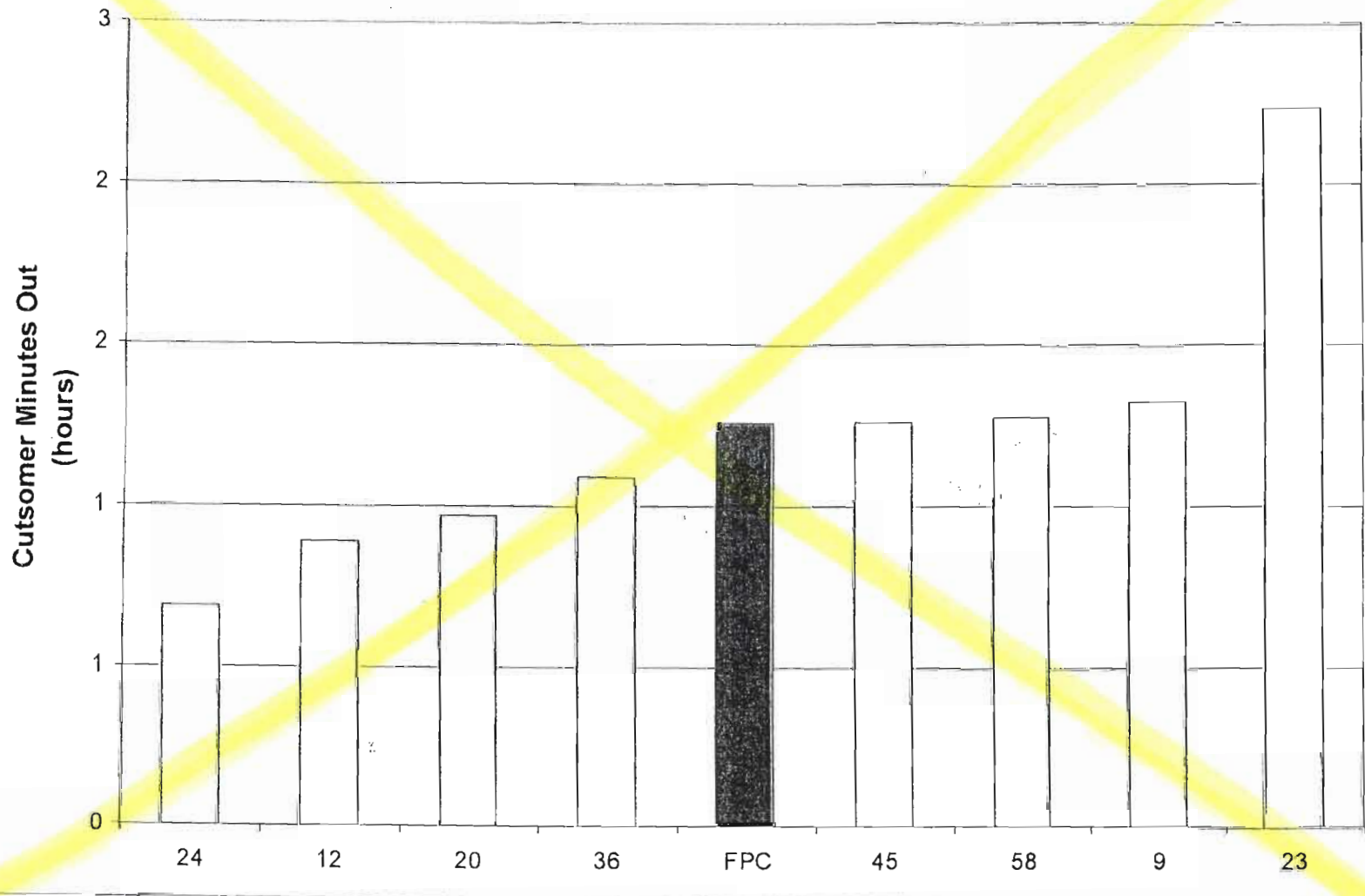


RAS 2 - FIGURE 4
CONFIDENTIAL

Edison Electric Institute 2000 Reliability Report - Southeast Region
SAIFI (excluding major storms)



Edison Electric Institute 2000 Reliability Report - Southeast Region
CAIDI (excluding major storms)



System Average Interruption Frequency Index — SAIFI

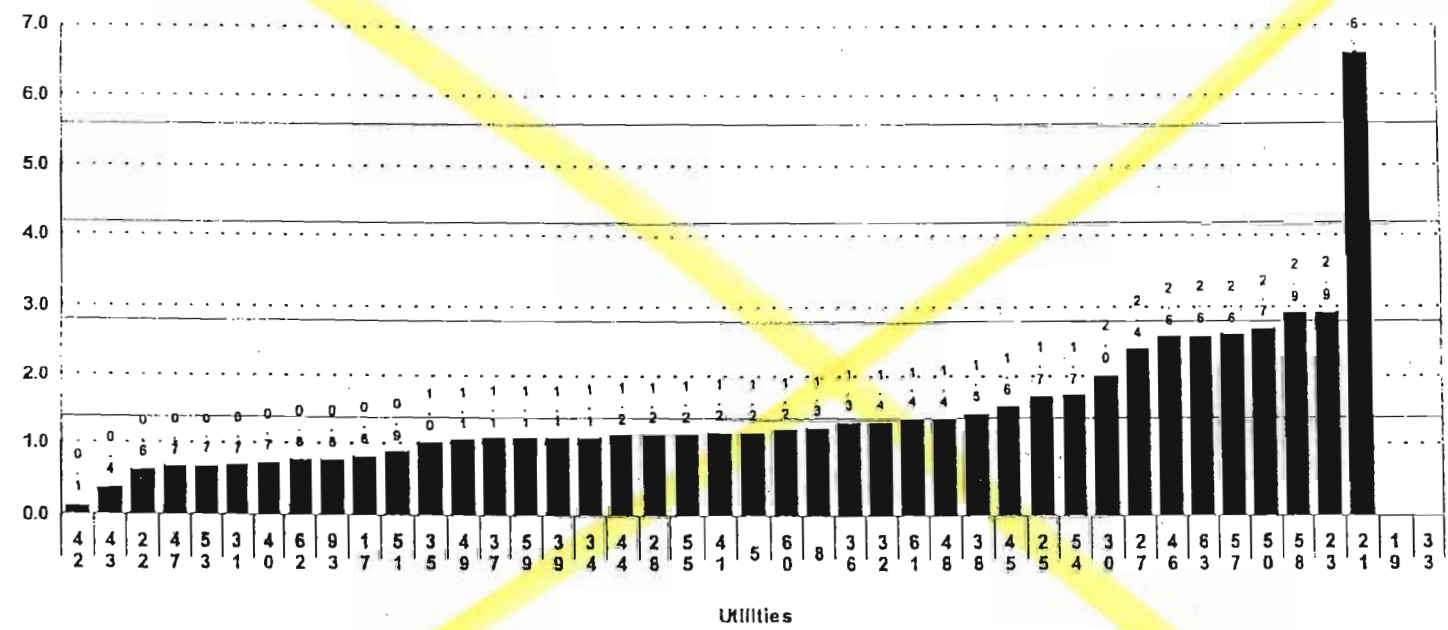
Excluding Major Events & Planned Outages

Mean	Quartile 1	Quartile 2	Quartile 3
1.5	0.9	1.2	1.7

Performance Measure

2

Outages



Source: B.2
Calculation: None
Year: 1999

CONFIDENTIAL

Final Report 12-00
20



©2000 PA Consulting Group, All Rights Reserved

676



IOU

OPC3 0093 13

RAS 3 - FIGURE 2
CONFIDENTIAL

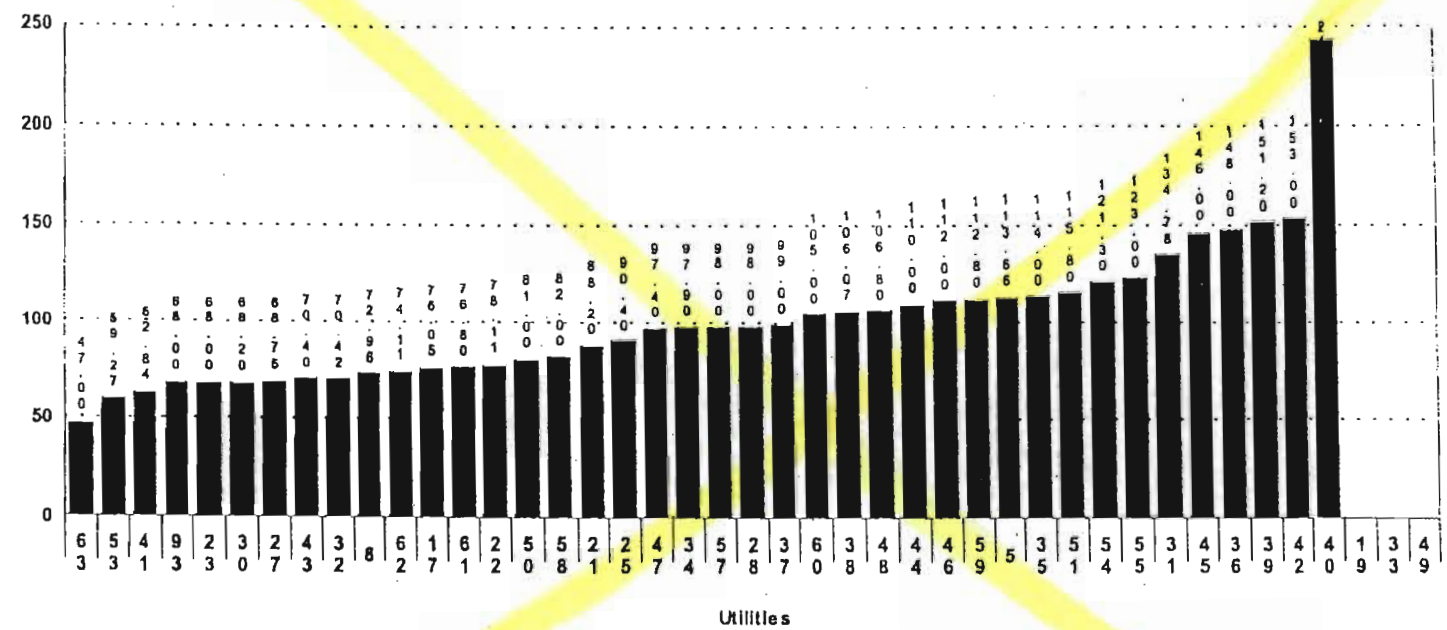
Customer Average Interruption Duration Index — CAIDI

Excluding Major Events & Planned Outages

Mean	Quartile 1	Quartile 2	Quartile 3
100	73	98	114

Performance Measure

Minutes



Source: B.2
 Calculation: None
 Year: 1999

CONFIDENTIAL

Final Report 12-00
 21



©2000 PA Consulting Group, All Rights Reserved

678



IOU

OPC3 009314

RAS 3 - FIGURE 3
 CONFIDENTIAL

System Average Interruption Duration Index — SAIDI

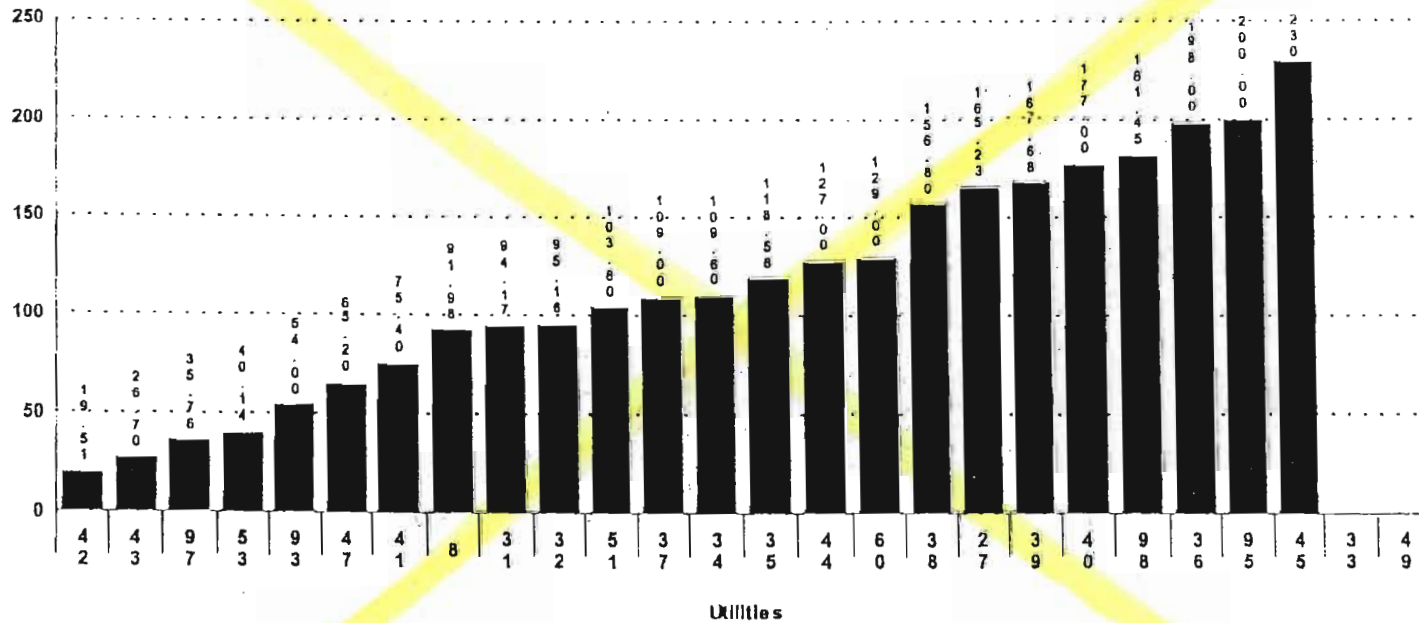
Excluding Major Events & Planned Outages

Mean	Quartile 1	Quartile 2	Quartile 3
115	65	109	165

Performance Measure

2

Minutes



Source: B.2
 Calculation: None
 Year: 1999

CONFIDENTIAL

Final Report 12-00

19



©2000 PA Consulting Group, All Rights Reserved

63



LARGE UTILITIES.

System Average Interruption Frequency Index — SAIFI

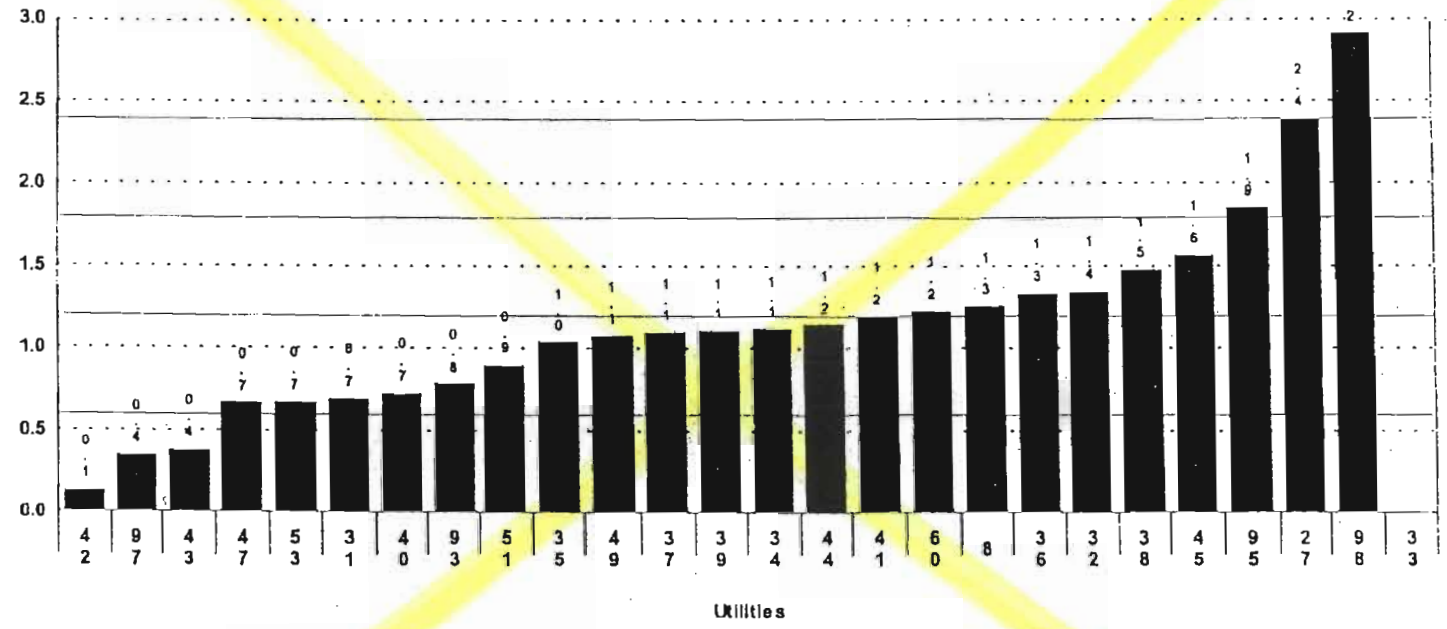
Excluding Major Events & Planned Outages

Mean	Quartile 1	Quartile 2	Quartile 3
1.1	0.7	1.1	1.3

Performance Measure

2

Outages



Source: B.2
 Calculation: None
 Year: 1999



©2000 PA Consulting Group, All Rights Reserved

CONFIDENTIAL

Final Report 12-00
20



LARGE UTILITIES

OPC3 009319

RAS 3 - FIGURE 5
CONFIDENTIAL

Customer Average Interruption Duration Index — CAIDI

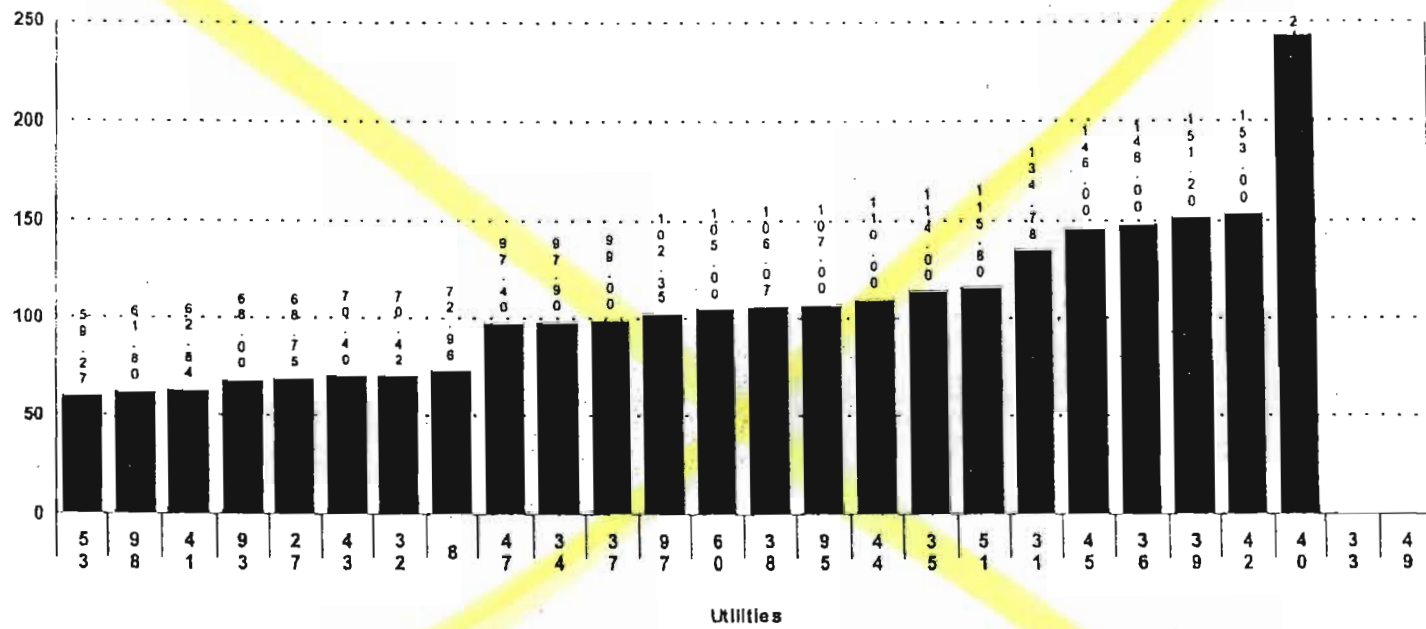
Excluding Major Events & Planned Outages

Mean	Quartile 1	Quartile 2	Quartile 3
107	70	102	116

Performance Measure

2

Minutes



Source: B.2
Calculation: None
Year: 1999

CONFIDENTIAL

Final Report 12-00
21



©2000 PA Consulting Group. All Rights Reserved

678

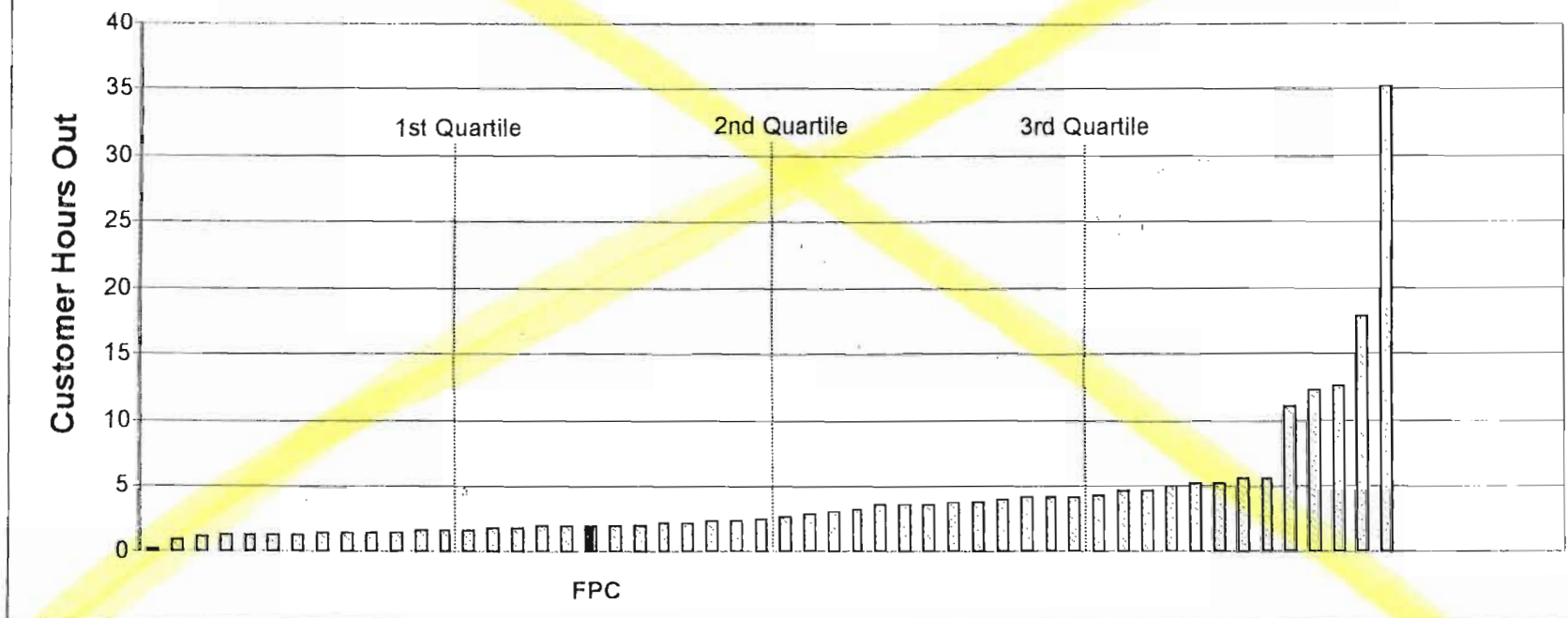


LARGE UTILITIES

OPC3 009320

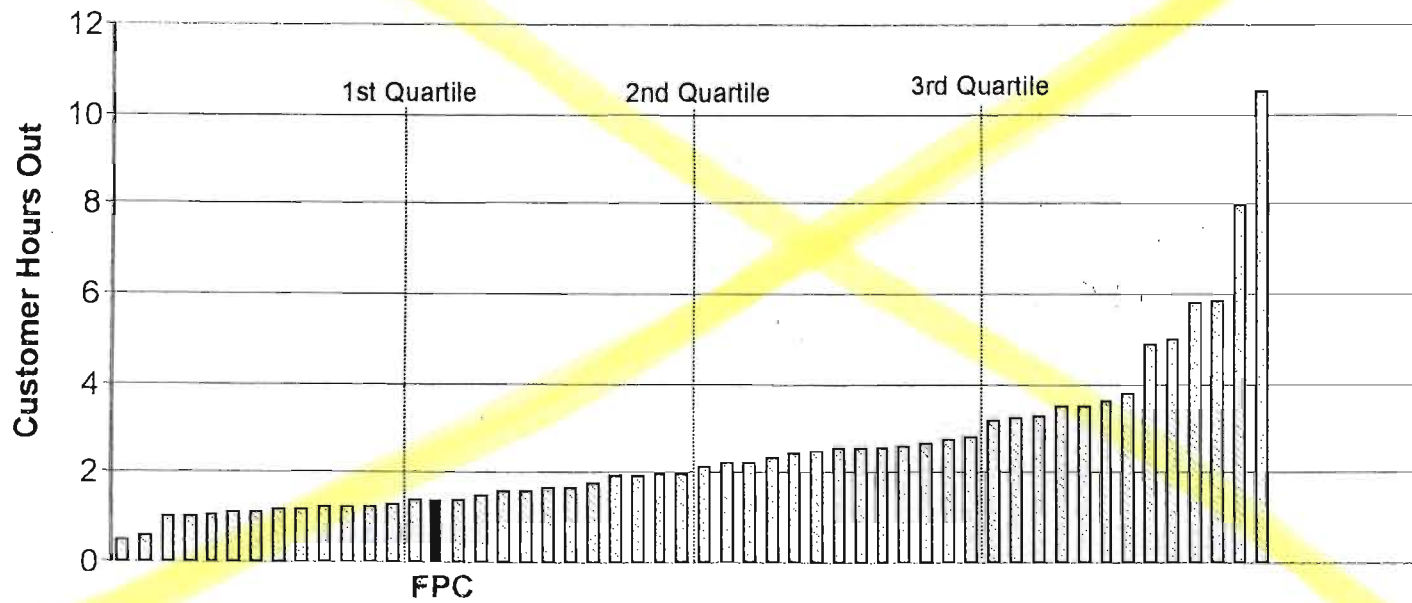
RAS 3 - FIGURE 6
CONFIDENTIAL

Edison Electric Institute 2000 Reliability Report SAIDI (including all interruptions)



Edison Electric Institute 2000 Reliability Report

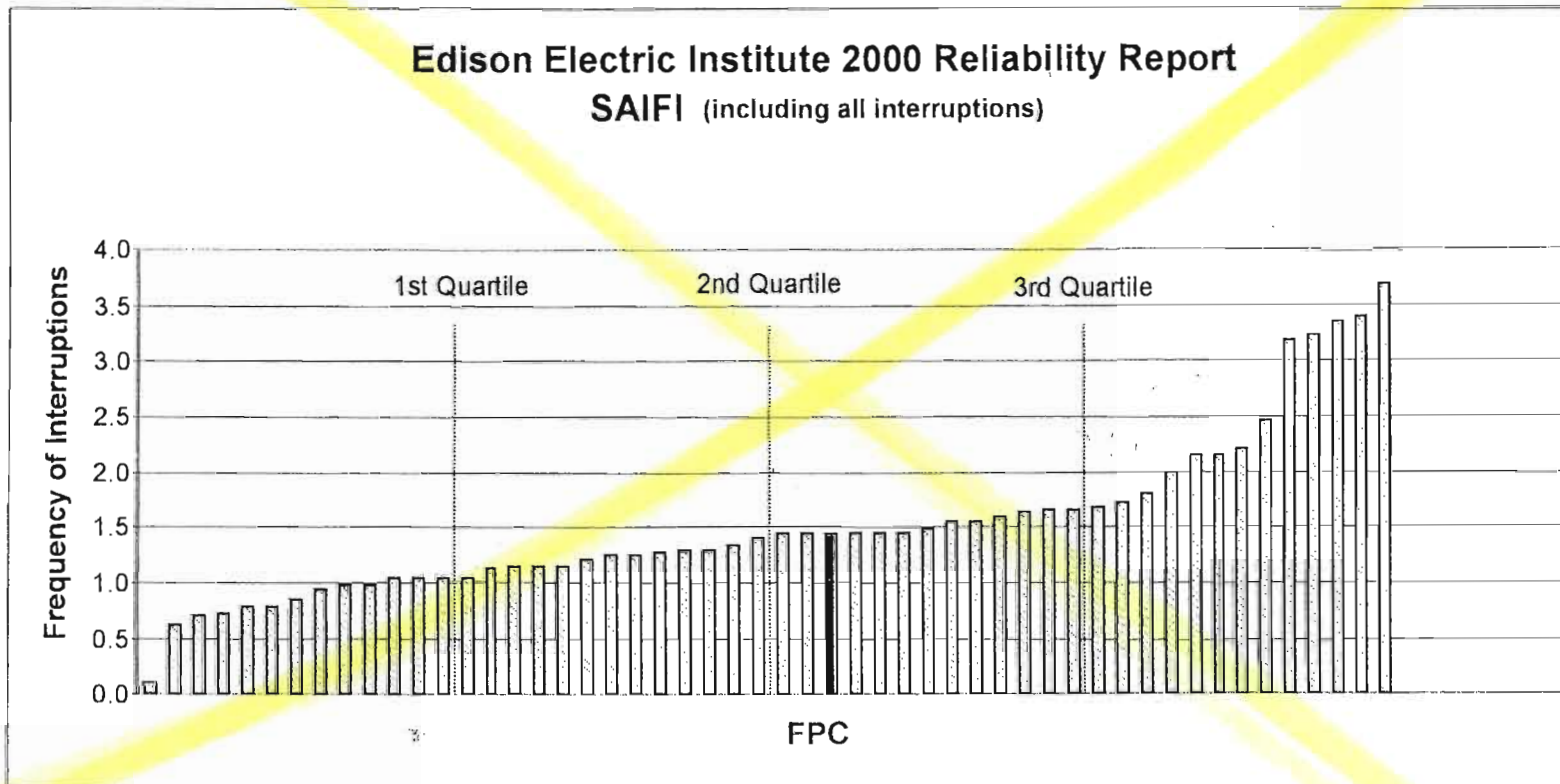
CAIDI (including all interruptions)



RAS 4 - FIGURE 2
CONFIDENTIAL

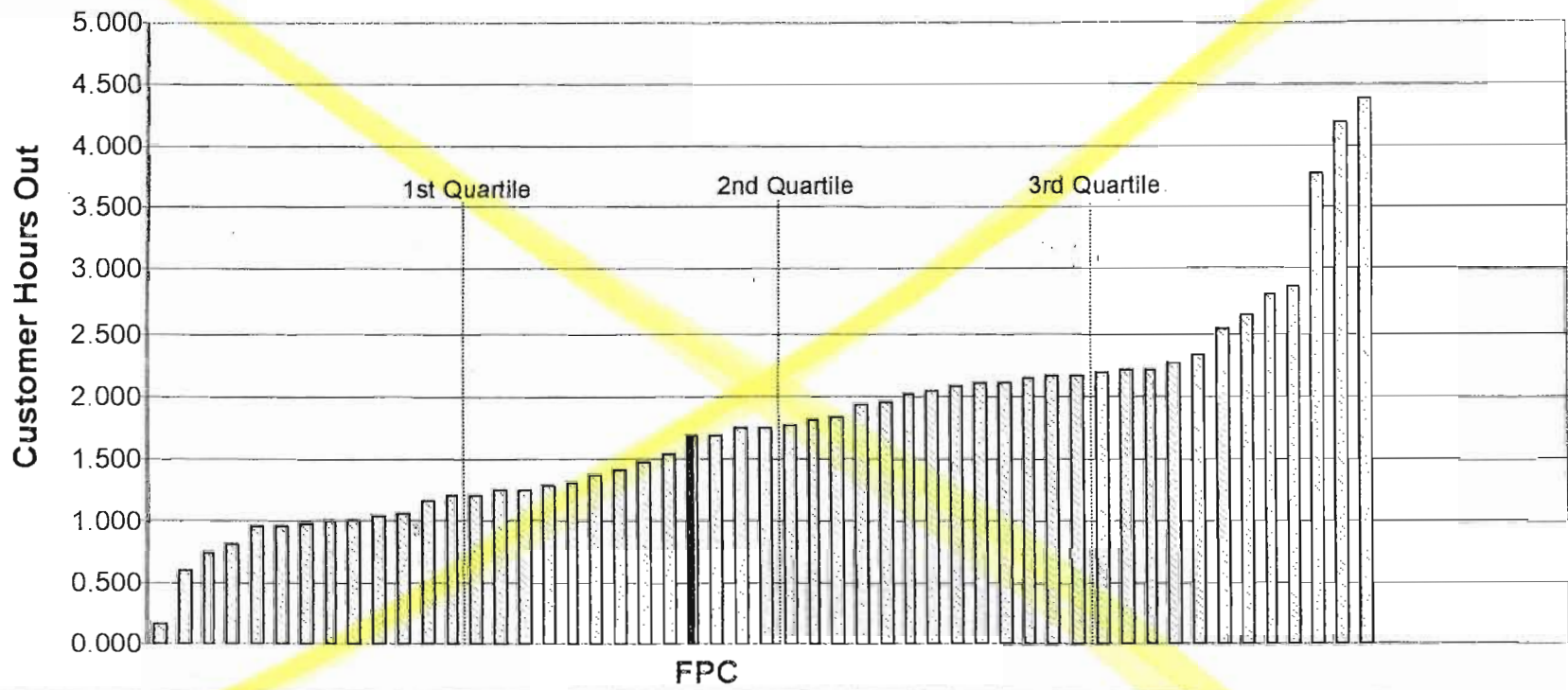
Edison Electric Institute 2000 Reliability Report

SAIFI (including all interruptions)

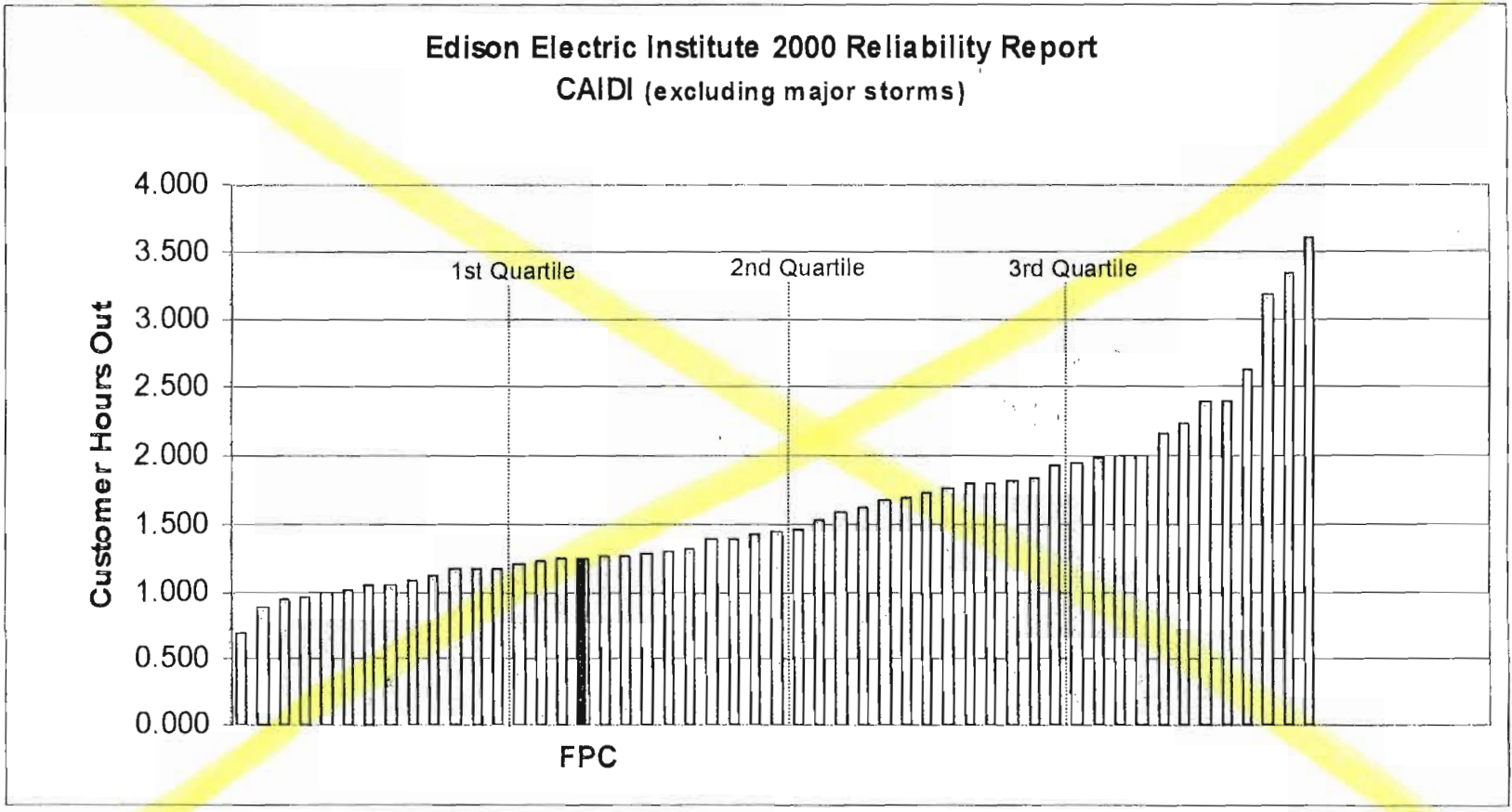


RAS 4 - FIGURE 3
CONFIDENTIAL

Edison Electric Institute 2000 Reliability Report SAIDI (excluding major storms)



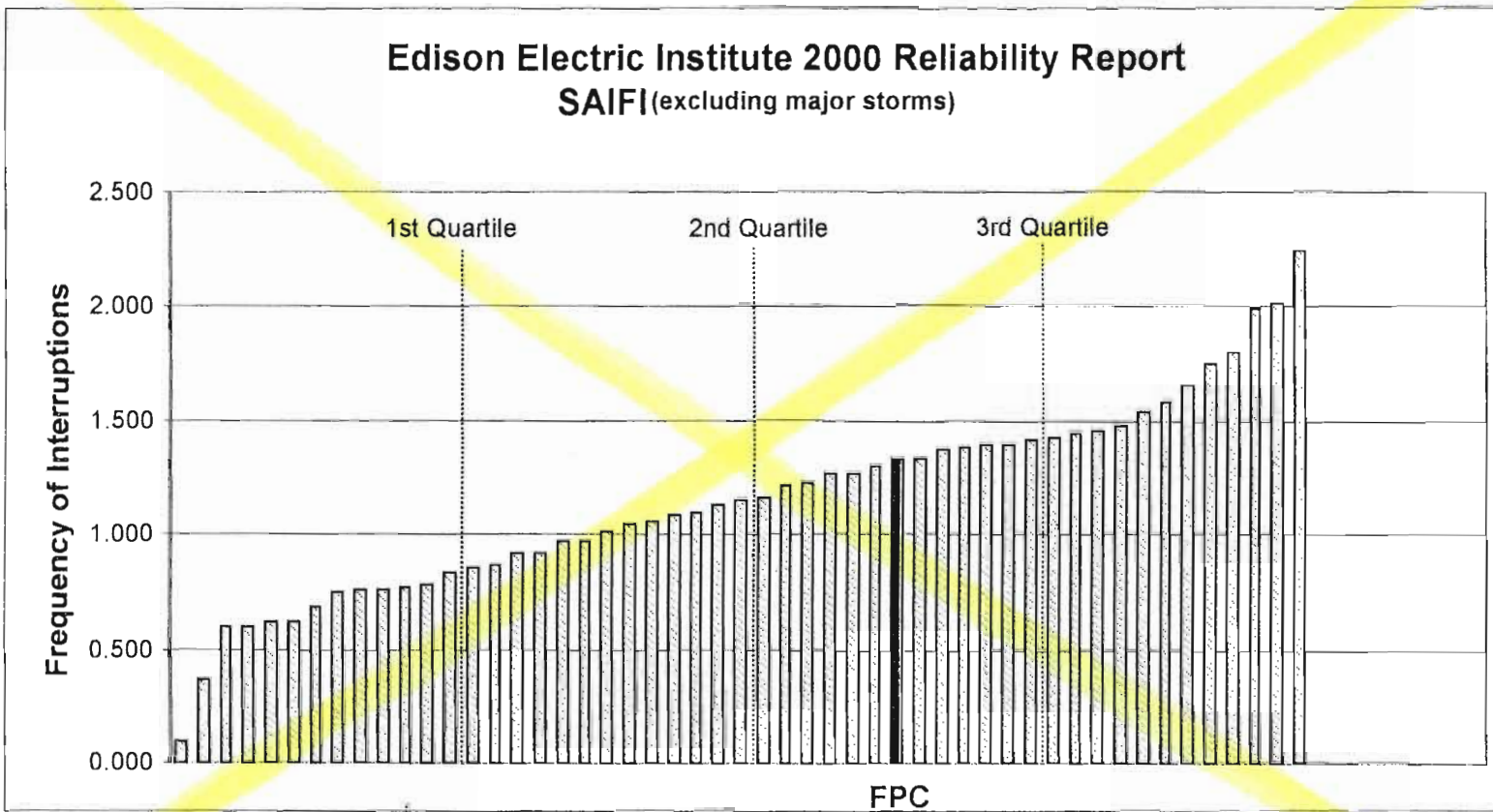
Edison Electric Institute 2000 Reliability Report
CAIDI (excluding major storms)



RAS 4 - FIGURE 5
CONFIDENTIAL

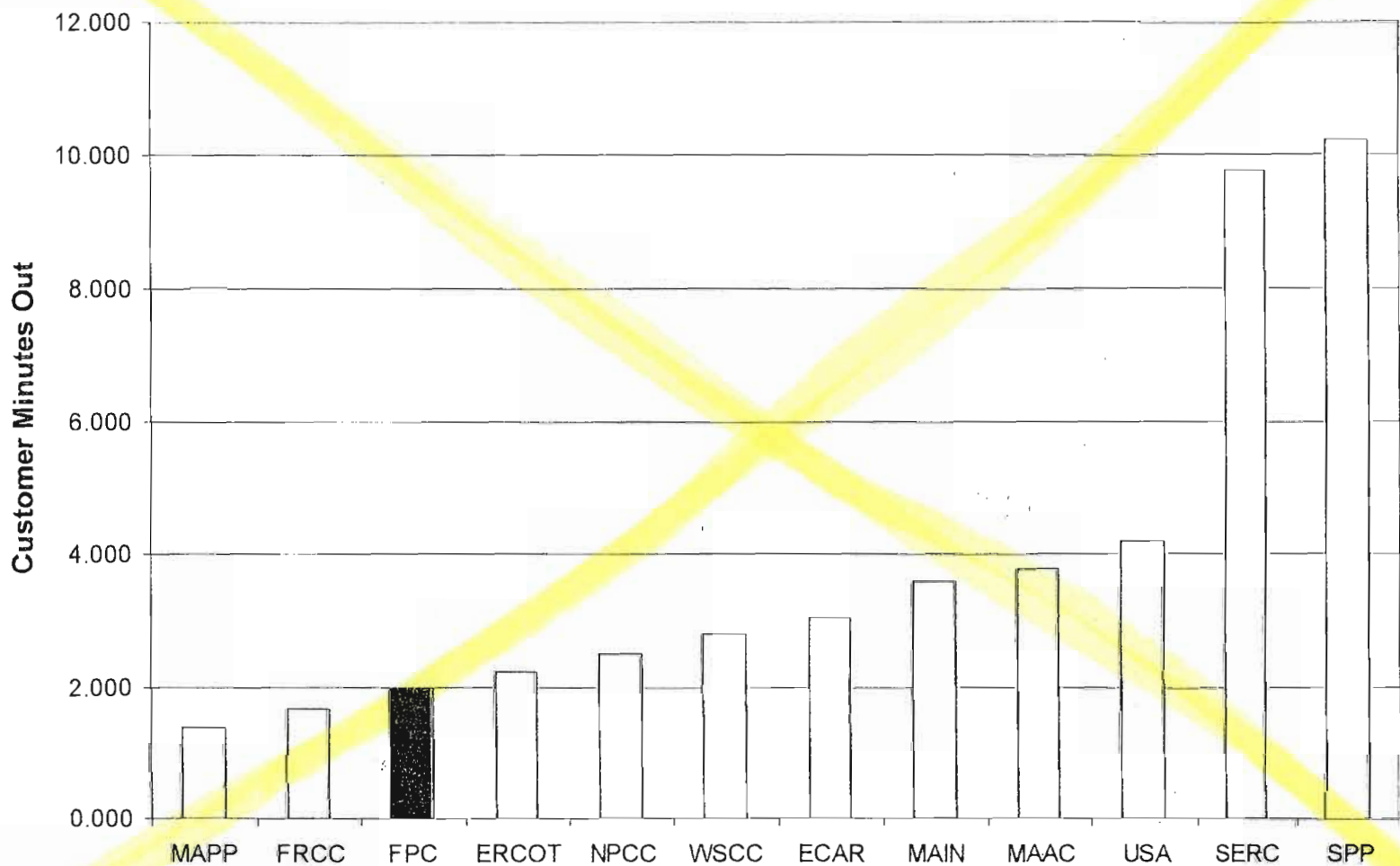
505

Edison Electric Institute 2000 Reliability Report SAIFI(excluding major storms)

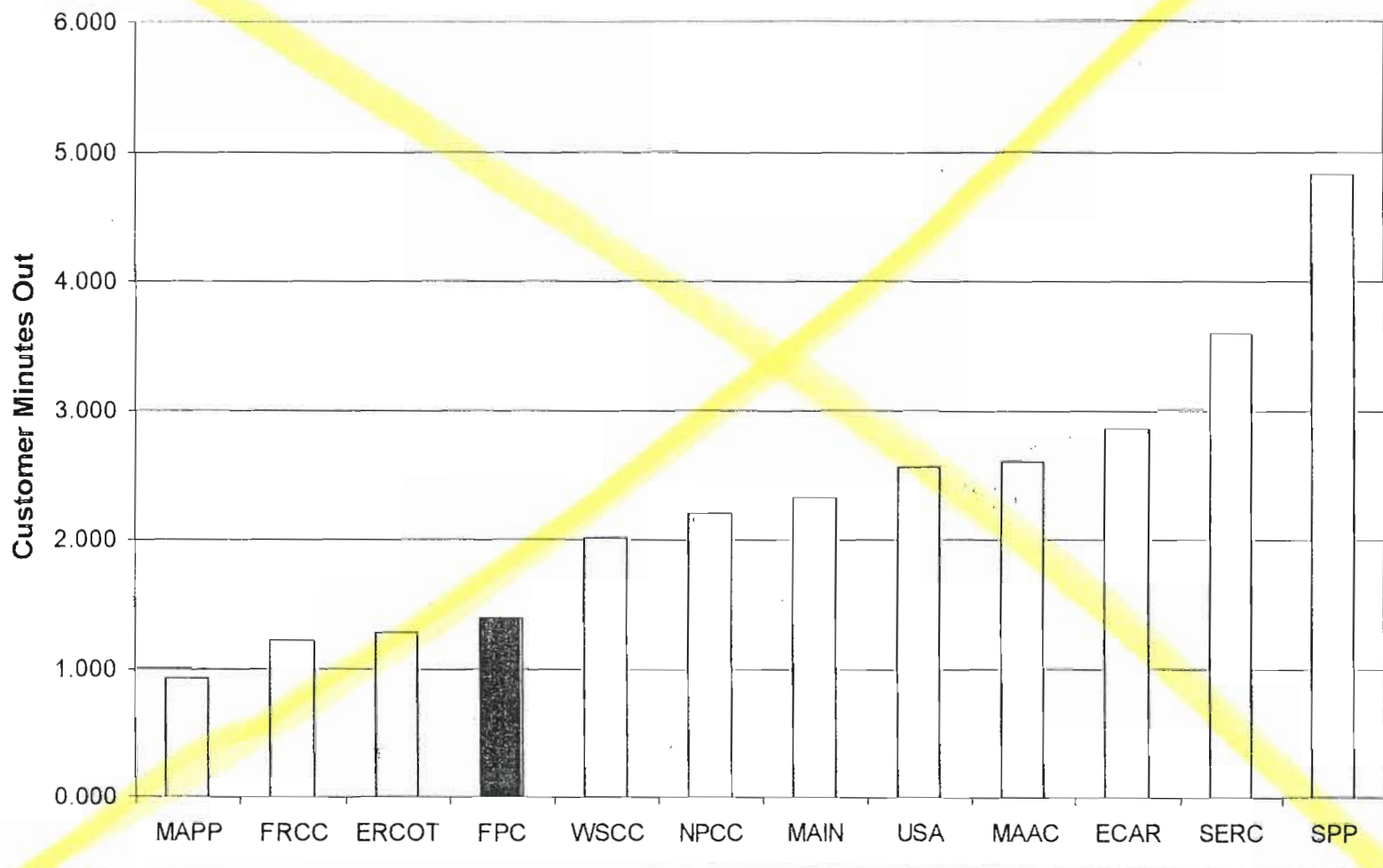


RAS 4 - FIGURE 6
CONFIDENTIAL

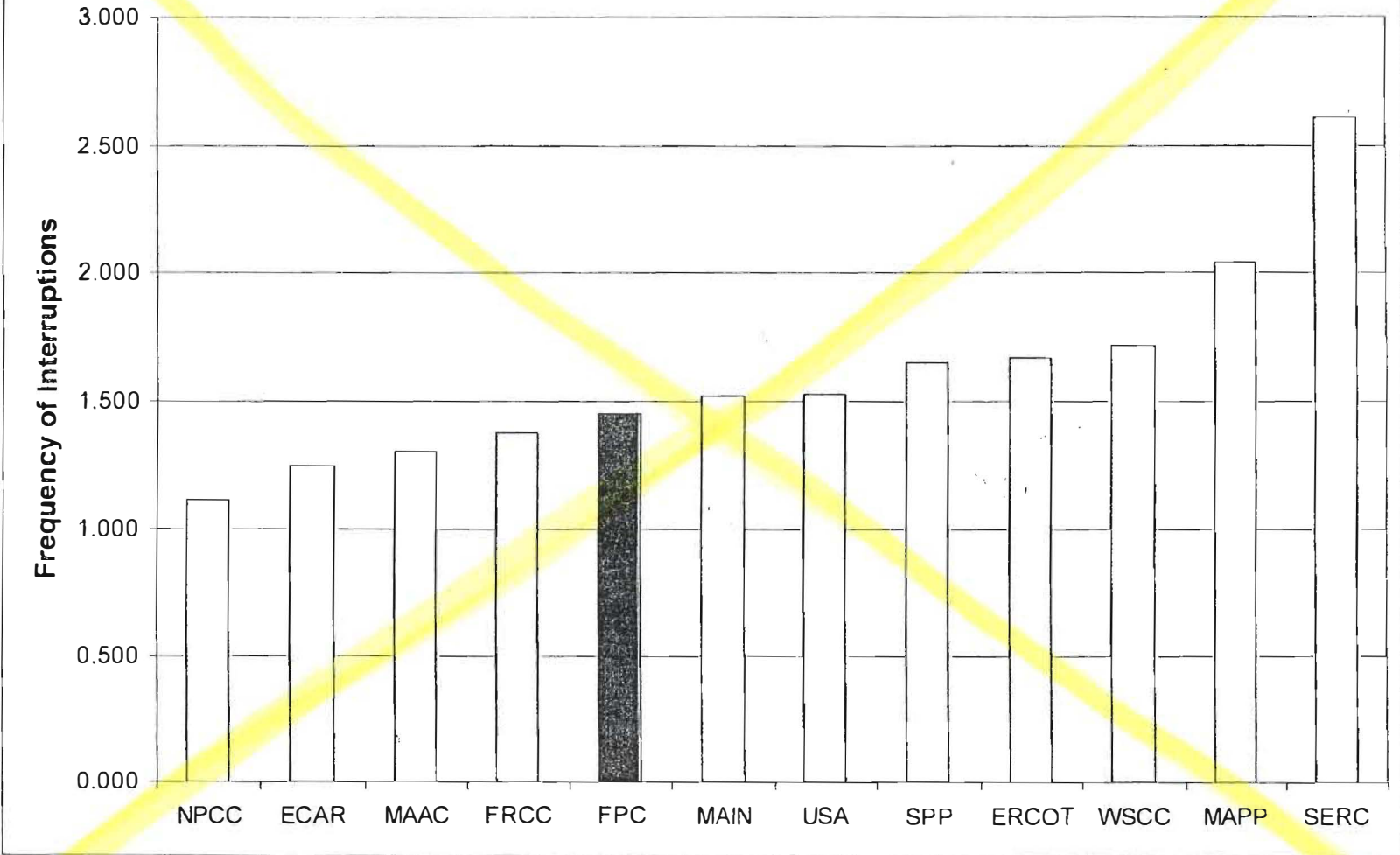
Edison Electric Institute 2000 Reliability Report
SAIDI (including all interruptions)



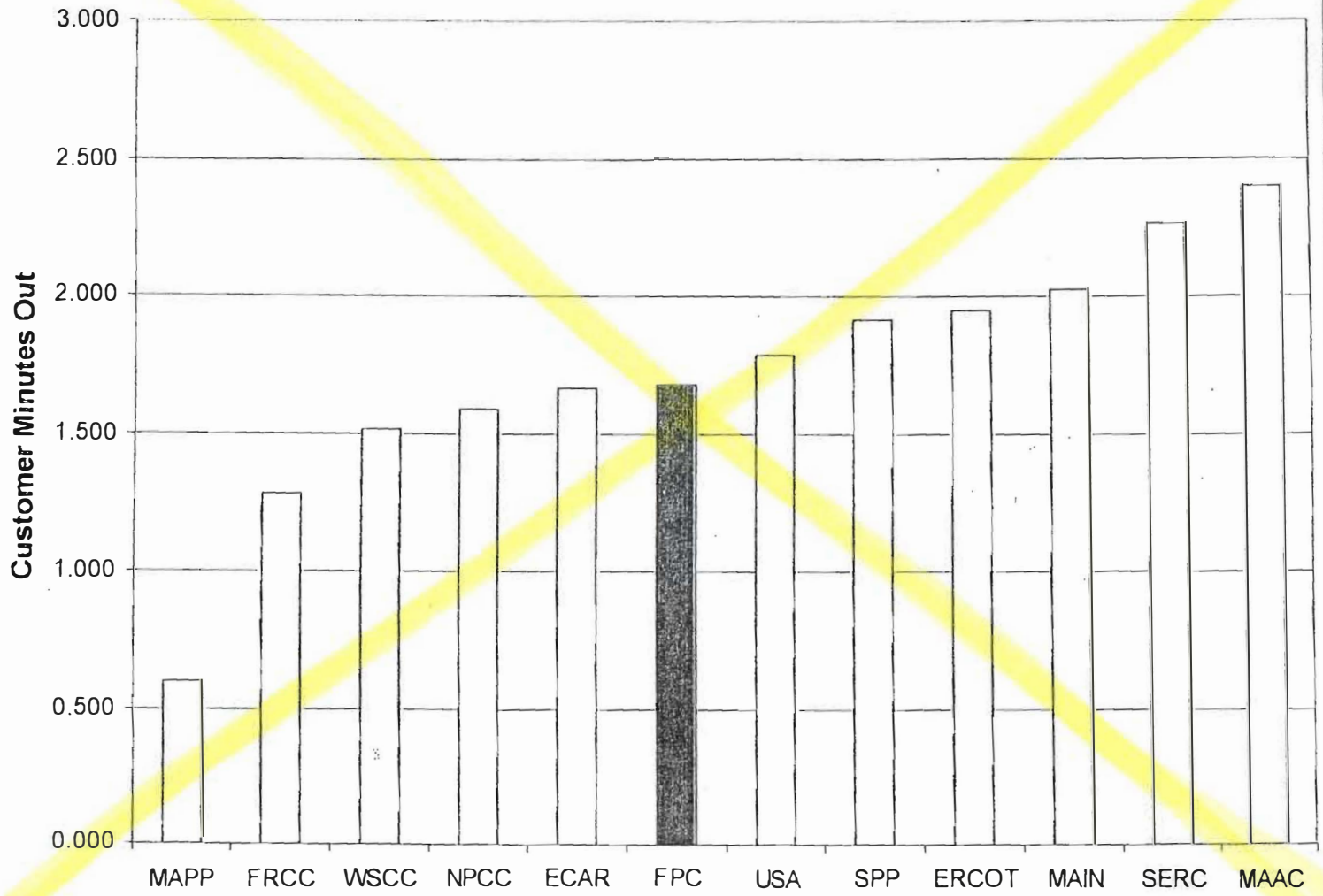
Edison Electric Institute 2000 Reliability Report
CAIDI (including all interruptions)



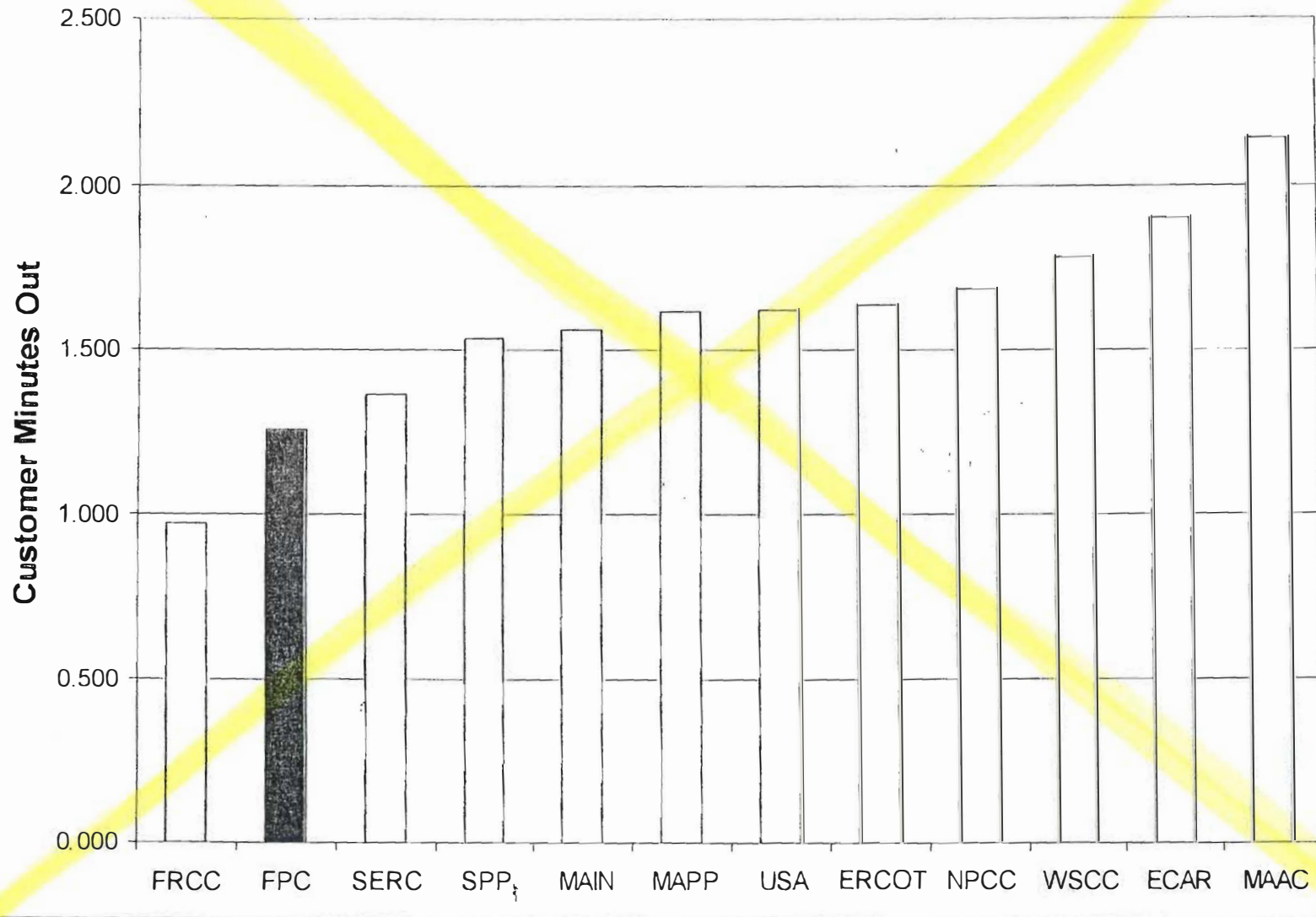
Edison Electric Institute 2000 Reliability Report
SAIFI (including all interruptions)



Edison Electric Institute 2000 Reliability Report
SAIDI (excluding major storms)



Edison Electric Institute 2000 Reliability Report
CAIDI (excluding major storms)



Edison Electric Institute 2000 Reliability Report
SAIFI (excluding major storms)

