No. MB10

Data Information Request
From Union Electric Company d/b/a AmerenUE
MPSC Case No. EO-2000-580

Requested From:

Maurice Brubaker

Requested By:

Richard J. Kovach

Date of Request:

10/12/00

### Information Requested:

Please provide a complete copy of the NERC and GADS documents relied upon in referencing CT forced outage rates on page 15 of your Surrebuttal testimony.

## Response:

The attached information provided to Union Electric Company in response to the above Data Information Request is accurate and complete and contains no material misrepresentations or omissions, based upon present facts of which the undersigned has knowledge, information or belief. The undersigned agrees to immediately inform Union Electric Company if, during the pendency of Case No. EO-2000-580 before the Commission, any matters are discovered which would materially affect the accuracy or completeness of the attached information.

If these data are voluminous, please (1) identify the relevant documents and their location; (2) make arrangements with requestor to have documents available for inspection at a location mutually agreeable. Where identification of a document is requested, briefly describe the document (e.g., book, letter, memorandum, report) and state the following information as applicable for the particular document: name, title, number, author, date of publication and publisher, addresses, date written, and the name and address of the person(s) having possession of the document. As used in this Data Request, the term "document(s)" includes publication of any format, workpapers, letters, memoranda, notes, reports, analyses, computer analyses, test results, studies or data recordings, transcriptions and printed, typed or written materials of every kind in your possession, custody or control within your knowledge. The pronoun "you" or "your" refers to the person identified in the "Requested From" block above and all other employees, contractors, agents or others employed by or acting on behalf of the organization, group or governmental unit associated with that person.

Response Provided By: MM MICA MISSIMS MUSIC	Date:	10/14/00	
(Please print)			
Signed By: MSS my			

Date 11-30-00 Case No. E0-2000-580

Reporter No.

# AMERENUE Missouri PSC Case No. 2000-580

## Interruptible Customers' Responses to AmerenUE's Data Requests Directed to Maurice Brubaker

Response MB10

The entire NERC GADS document can be downloaded from their website. Attached please find a copy of the summary data from the August 1999 edition.

Generating Unit Statistical Brochure

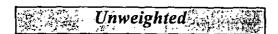
1994-1998

August 1999

North American Electric Reliability Council Princeton Forrestal Village 116-390 Village Boulevard Princeton, New Jersey 08540-5731 Generating Availability Data System



Phone: 609-452-8060 • Fax: 609-452-9550 Internet: http://www.nerc.com E-mail: gads@nerc.com



Average Run Time - ART [SH/Actual Unit Starts]

Starting Reliability - SR [Actual Unit Starts/Attempted Unit Starts] x 100 (%)

Net Capacity Factor - NCF [NAG/(PH x NMC)] x 100 (%)

Net Output Factor - NOF [NAG/(SH x NMC)] x 100 (%)

Service Factor - SF (SH/PH) x 100 (%)

Availability Factor - AF (AH/PH) x 100 (%)

Equivalent Availability Factor - EAF {[AH (EUDH + EPDH + ESEDH)]/PH} x 100 (%)

Forced Outage Rate - FOR [FOH/(FOH + SH)] x 100 (%)

Equivalent Forced Outage Rate - EFOR [(FOH + EFDH)/(FOH + SH + EFDHRS)] x 100 (%)

Scheduled Outage Factor - SOF (SOH/PH) x 100 (%)

Forced Outage Factor - FOF (FOH/PH) x 100 (%)



Weighted Service Factor - WSF [Σ(SH x NMC)/ Σ(PH x NMC)] x 100 (%)

Weighted Availability Factor - WAF [Σ(AH x NMC)/ Σ(PH x NMC)] x 100 (%)

Weighted Equivalent Availability Factor - WEAF  $\{\Sigma(AH \times NMC) - \Sigma((EUDH + EPDH + ESEDH) \times NMC)\}$  $\Sigma(PH \times NMC)\} \times 100 (\%)$ 

Weighted Forced Outage Rate - WFOR {Σ(FOH x NMC)/ Σ[(FOH + SH) x NMC)} x 100 (%)

Weighted Equivalent Forced Outage Rate - WEFOR {Σ[(FOH + EFDH) x NMC]/ Σ[(FOH + SH + EFDHRS) x NMC]} x 100 (%)

Weighted Scheduled Outage Factor - WSOF [Σ(SOH x NMC)/ Σ(PH x NMC)] x 100 (%)

Weighted Forced Outage Factor - WFOF  $[\Sigma(FOH \times NMC)/\Sigma(PH \times NMC)] \times 100 (\%)$ 

\*Applies to groups of units only.

#### Notes:

Equivalent hours are computed for each derating and then summed.

Size of Reduction is determined by subtracting the Net Available Capacity (NAC) from the Net Dependable Capacity (NDC). In cases of multiple deratings, the Size of Reduction of each derating is the difference in the NAC of the unit prior to the initiation of the derating and the reported NAC as a result of the derating.

## **DEFINITIONS**

#### **Actual Unit Starts**

Number of times the unit was synchronized to the transmission system.

#### **Attempted Unit Starts**

Number of attempts to bring the unit from shutdown to synchronization.

#### Available Hours - AH

Sum of all SH, RSH, Pumping Hours, and Synchronous Condensing Hours.

Equivalent Forced Derated Hours - EFDH Product of the Forced Derated Hours and the Size of Reduction, divided by the NMC.

## Equivalent Forced Derated Hours During Reserve Shutdowns - EFDHRS

Product of the Forced Derated Hours (during Reserve Shutdowns (RS) only) and the Size of Reduction, divided by the NMC.

Equivalent Planned Derated Hours - EPDH Product of the Planned Derated Hours and the Size of Reduction, divided by the NMC.

Equivalent Seasonal Derated Hours - ESEDH NMC less the NDC, times the Available Hours (AH), divided by the NMC.

Equivalent Unplanned Derated Hours - EUDH Product of the Unplanned Derated Hours and the Size of Reduction, divided by the NMC.

Forced Derated Hours - FDH Sum of all hours experienced during Forced Deratings.

Forced Outage Hours - FOH Sum of all hours experienced during Forced Outages.

Net Available Capacity - NAC
The NDC, modified for equipment limitations.

#### **Net Actual Generation - NAG**

Net electrical megawatthours (MWh) produced by the unit during the period being considered.

Net Dependable Capacity - NDC NMC modified for ambient limitations.

#### Net Maximum Capacity - NMC

Capacity a unit can sustain over a specified period when not restricted by ambient conditions or equipment deratings, minus the losses associated with station service or auxiliary loads.

#### Period Hours - PH

Number of hours a unit was in the active state. A unit generally enters the active state on its commercial date.

#### Reserve Shutdown Hours - RSH

Total number of hours the unit was available for service but not electrically connected to the transmission system for economic reasons.

#### Service Hours - SH

Total number of hours a unit was electrically connected to the transmission system.

#### Scheduled Outage Hours - SOH

Sum of all hours experienced during Planned Outages and Maintenance Outages plus any Scheduled Outage Extensions associated with those outages.

#### Unplanned Derated Hours - UDH

Sum of all hours experienced during Forced Deratings and Maintenance Deratings plus any Scheduled Derating Extensions of any Maintenance Deratings.

#### Unplanned Outage Hours - UOH

Sum of all hours experienced during Forced Outages and Maintenance Outages plus any Scheduled Outage Extensions of any Maintenance Outages.

## INTRODUCTION

This brochure highlights some of the information from NERC's Generating Availability Report (GAR). Statistics are shown for the cumulative five years, 1994–1998, and are calculated using both the capacity-weighted technique and the traditional, unweighted method.

Generating Availability Report

Continuing the effort to bring timely, useful information to the industry in an efficient manner, NERC again will "publish" the 1994-1998 Generating Availability Report in electronic format. The report is available for downloading from the Internet, and also is available on a 3½ inch diskette. Call us at 609-452-8060 to request a copy on diskette. A printed, bound version of the GAR is not available.

The electronic GAR consists of a series of formatted, ASCII files, ready for printing on any laser printer set to a condensed font. Included are all the tables and graphs found in previous printed editions of the report, and more. The traditional unit groupings — by generation technology, size and, in some cases, fuel type — have been retained.

The new GAR is available to everyone at no cost. To download the GAR from the NERC home page (http://www.nerc.com) go to "GADS Services," and then "Publications," and download the self-extracting zip file GAR1998.EXE. That's all there is to it!

**GADS Data Applications** 

The statistics in this brochure and the GAR are calculated from data that electric utilities report voluntarily to NERC's Generating Availability Data System (GADS). Operating histories for more than 4,400 electric generating units reside in GADS. Data are reported by 178 utilities in the United States and Canada, representing investor-owned, municipal, state, cooperative, provincial,

and federal segments of the industry. NERC aggregates these data and presents the results annually in its GAR.

The GAR provides an overview of the availability performance of classes of generating units. More specific data are available from NERC's GADS database to use in detailed unit- or equipment-level reliability, availability, and maintainability (RAM) analyses. GADS data are used in a wide variety of deterministic and probabilistic applications to:

- benchmark unit performance against statistically validated peers,
- conduct loss-of-load and similar system-wide analyses,
- optimize maintenance schedules and prepare cost-benefit analyses,
- compare the reliability of original equipment manufacturers' (OEM) components, and
- prepare reports for state and federal regulators.

You can conduct your own GADS special analyses with a software product called pc-G.A.R., available from NERC on CD-ROM. GADS data for special applications are also available by calling NERC. Call or e-mail (gads@nerc.com) NERC for further information.

#### **Historical Availability Statistics**

Back again this year is the 1982-1998 Historical Availability Statistics (HAS) report. Based on previous GAR publications, this report provides statistics for individual, five, ten, and seventeen-year periods. The HAS report is included when you order the annual GAR diskette.

1994-1998 Generating Unit Statistical Brochure

<b>建筑建筑</b>	/W.Trb/Gens	表# of 法 Unit 2
Ling years and	Nameplate :	Units Years
FOSSIL	All Sizes	<sub>2,1,532</sub> , 7,126
All Fuel Types	1-99	351: 1,486
	100-199	426 2,016
	200-299	171 825
	300-399	<b>147</b> 717
	400-599	<b>262</b> 1,250
	600-799	127 602
	800-999	34 165
·	1000 Plus	65
Coal	All Sizes	4,319 4,319
Primary	1-99	165 707
	100-199	국을 <b>258</b> 설문 1,203
1	200-299	114 560
	300-399	15.7:88 35 433
	400-599	799
	600-799	95 433
	800-999	25 124
	1000 Plus	3 413 60
Oil	*All Sizes	200 685
Primary	1-99	64 205
	100-199	<b>多50</b> 余 174
	200-299	36
	300-399	21. 96
	400-599	30 = 91
	600-799	13 48
	800-999	<i>.</i> 30 ⊕ 30
Gas	All Sizes	466 J 1,965
Primary	1-99	145 554
	100-199	147 624
	200-299	47 211
	300-399	41 188
	400-599	63 296
	600-799	20 81
	800-999	্জুর 11
Lignite Primary	All Sizes	32 128

海波	ART	SRV	HOSINGE A		A PARE DE	O AF	X	FAF	FOR	··· EFOR	SOF	FOE
	47	r (3797)	WAS LINES	W. Z	34.		राज पर	7.787	14 5 5 1	12 - 1201	Mar Co	
La	263	97.98	53,00	73.23	64.47	86.28		.88	5.59	7,91	9.91	3.82
3	157	99.11	29.01	61.67	42.13	88.65	(8	.83	7.02	9.28	8.17	3.18
2.5	234	97.69	44.04	68.52	63.55	87.17	8	62	5.15	7.5621	9.39	345
海	362	98.88	52.19	71.53	73,34	85.90	8	3.72 🍇	4.78	6.55	10.42	3.68
3,	274	97.07	47. [27.]	67.64	70.02	82.88	8	).48 🎘 -	6.75	9.139	12.05	5,07
	292 🖔	97.35	54.99	74.06	74.10	84.49	8	57	5.48	8.10	11.21	4.29
147,	476	97.45	62.01	78.67	78,97	85.92	.8	3.42	5.07	7.40	9.86	4.22
2	443	98.61	59,17	78.13	75.52	87.29		5.18 🤼	4.40	6.17	9.22	3,483
	760 /	95.91	57.58	70.53	81.27	81.75	7	3.72	6.64	8.45	12.47	1578 X
7.2	384	97.19	63.82	78.02	77.53	86.37	N/A	3.75	4.81	7.06	9.71	3923
À.,	219	99.17	··41.25	65.71	60(15	87.59	18	5.58:2	4.80	6.98ac	9.38	3.034
10.2 12.25	4173	95.80	57.91	73.29	∗78.25 ₽	87.77	78	.92 à (	3.95	6.312	9.01	3,21
.,:	517€	99.15	63.38	77.40	82 19	86.26		.09 🕏	4.63	6.33	9.74	3 99 3
4	376	95.90	59,33	74.53	79:22	83.93	8	21	6.29	8.73	10.75	5325
£.	335 🛴	96.61	64.82	79.75	81:15 7	84.32	£8	.09%	5.50	8.185	10.95	4728
ź,	668	96.75	70:11:19	81.29	86.26	87.06	78	.50	4.57	6.74	8.80	1313
<u>ب</u> ر:	694 👌 .	97,40	71,25	82.81	85.96	87.07	8	.29 💸	4.29	F.5:769	9.08	3,85
÷	∙761÷	95.69	- 59.54⊘	71.80	82.88	83.25	₹8	.87 👯	6:18	7.25	11.29	5.46
:3	94	99.05	24.30	55.65	38.89	85.84	8	49	9.05	12.37	10.29	3.87
\ \``	54	99.20	19.71	57.26	26 42	89.65	C.5.4	3.03 <sup>(31</sup>	9.95	12.87	7.43	2.92
	105	99.39	22.84	54.55	41.26	86.01	100	.37 🖓	9.87	12.68	9.47	4523
1	110	97.87	21.94	63.48	35.58	84.14	22+	77	16.10	19.41	9.04	6.82
7	148	99.77	29.57	57.53	51.90	80.53	Êź	162	9.38	12,2235	14.10	537
374	134	98.07	25.89	53.07	49 66	84.34	8	89 🎾	5.26	8.19	12.89	2,76
1	78 <sup>6</sup>	98.21	23.91	63.21	37.63	85.13	8	1.38 <sup>'g</sup>	6.23	13.05	12.37	2.50
٠.	93	100.00	17.96	49.20	38.36	87.89	8	5.02	6.72	10.32	9.48	2.63
7,	150	98.81	28.22	52.88	43.25 3	86.08	8	1.21	7.65	9,85	10.34	3.58
l	129	99.04	14.27	50.36	24.39	89.43	, ,	7.75	12.64	14.84	7.04	3.53
٠~٠	103	99.05	22.73	54.57	: 40.98 ~	86.30	3. 1	4.38 %	8.11	10.53	10.11	3.61
1:	204	99.17	28.22	49.37	56.96	85.33	8	3.38	3.90	5.58.	12.36	2.31%
43	186.	97.29	29.34	51.15	57.66	81.60	7	9.71	6.99	8.95	14.07	4.33
,	214	98.77	31.37	53.11	59.29	84.10	8	1.99	6.21	8.56	11.97	3.92
.	320	97.96	34.69	56.49	60.96	80.46	7	9.09	6.55	8.37	15.26	√ 4.27 j⊦
١.,	535	100.00	29.32	48.07	61.05	88.29	8	4.04	2.40	5.84	10.21	1.50 →
	448	96.99	76.05	88.43	84:48	87.13	8	1.00	4.56	7.04	8.83	4.04

egalisti.	4		4,	16:36	<b>100</b>	198
WSF	WAF	WEAF	WFOR	WEFOR	WSOF *	WFOF ?
70.20	85.30	£82.74	C 40			440 3
72.38	88.70	E86.98	5.43	7.74 5 8.12	10.54	4.18
47,04 64,27	87.00	84.45	6.06	1, -, 1	8.25	3.04
72.96	85.82	83.62	5.11	7.50 <sup>1</sup> 6	9.54	3.48
69.67	82.89	580.50	4.77	9.14	10.51	3.66
74.25	84.41	81.46	6.76 5.50	8.16	12.05 11.26	5.06 40 4.33
78.82	85.85	1,83.36	5.12	7.44	9.88	4.26
75.74	87.38	£85.29	4.32	6.02 - 4	9.00	3.42
81.65	82.10	79.20	6.49	8.13		10.2
*1860	62.10	79.20	0.49	0.15	12.22	5.67
81,79	85.75	83.06	5.01	7.20	9,93	4.32
62.79	87.71	85.73	4.53	6.48	9.28	2.99
79.01	87.76	84.94	3.91	6.20	9.01	3.22
81.88	86.18	83.97	4.66	6.43	9.81	4.00
79.60	64.05	81.33	6.20	8.63 7	10.67	5.27
81.28	84.32	81.08	5.49	8.16 a	10.95	4.72
86.25	87.03	84.44	4.60	6.78 🖽	8.80	4.173.2
86.05	87.16	85.45	4.21	5.61科	9.05	3.78
82.92	83.30	80.90	6.12	7.18	11.28	5.41
43.67	84.07	81.21	7.97	11.96	12,14	3.78
34.44	89.79	88.43	8.04	10.37	7.20	3.01
41.88	85.31	82.34	9.38	12.40	10.35	4.34
34.57	84.54	82.26	14.98	18.52	9.36	6.09
51.40	80.45	78.59	9.65	12.45	14.05	5.49
48.80	84.00	81.44	5.50	8.72	13.15	2.64
37.84	85.26	81,61	6.19	12.70	12.24	2.50
36.50	87.99	85.08	6.56	10.15	9,44	2.57
53.37	84.16	82.23	6.54	8.75	12.10	3.74
28.34	89.69	88.20	10.01	12.25	7.16	3.15
41.65	85.98	84.05	8.17	10.70	10.33	3.71
57.15	85.18	83.23	3.93	5.63	12.47	2.34
57.36	81.60	79.67	7.04	9.05	14.05	4.35
59.06	83.86	81.73	6.37	8.79	12.12	4.02
61.41	80.62	70.20	6.48	8.21	15.12	4.26
60.99	88.31	83.99	2.44	5.92	10.15	1.53
86.00	86.84	83.77	5.20	7.73	6.43	4.72

1994-1998 Generating Unit Statistical Brochure

Unit Type	MW Trb/Gen Nameplate	# of Units	Unit- Years
NUCLEAR	*All Sizes	125	598
All Types	400-799	24	111
	800-999	49	237
	1000 Plus	51	247
PWR	All Sizes	71	342
	400-799	11	52
	800-999	24	118
	1000 Plus	36 -	172
BWR	*All Sizes	335	159
	400-799	4.3	18
	800-999	13 .	63
	1000 Plus	15 🗸	75
CANDU	All Sizes	√ 21	97
JET	All Sizes	∰ 310km	1,505
ENGINE**	1-19	75. 59.	294
	20 Plus	19 251 gra	1,211
GAS	All Sizes	≨ 768 <sub>0 je</sub>	3,475
TURBINE**	1-19	. 199	928
	20-49	251	1,161
	50 Plus	318	1,386
COMB. CYCLE	All Sizes	<b>∲</b> ≃ 58 ;	242
HYDRO	All Sizes	829	3,855
	1-29	314	1,429
	30 Plus	515	2,426
PUMPED		37.	
STORAGE	All Sizes	69	299
MULTI-BOILER/		16 Yes	
MULTI-TURBINE	Alf Sizes	2 75	268
GEOTHERMAL	All Sizes	<b>18</b> %	86
DIESEL**	All Sizes	161Å	666

		<del></del>			<del></del>	<del></del>	74.5	<del></del>		· · · · · · · · · · · · · · · · · · ·
ART	SR	NCF	NOF	SF	ĀF	EAF	FOR	EFOR	SOF	FOF
1,822	99.47	, 74.11	94.71	77.93	78.00	74.55	10.77	13.05	12.60	9.41
1,669	99.50	71.43	93.59	75.90	76.01	72.71	10.63	12.01	15.03	9.03
1,740	100.00	74.90	94.30	79.46	79.46	75.51	9.68	13.10	12.01	8.52
2,005	99.12	74.15	95.25	77,37	77,49	74.51	11.82	13.39	12.13	10.37
2,024	99.43	78.24	97.02	80.62	80.62	78.19	8.58	9.72	11.81	7.57
2,209	99.40	81.58	97.76	82.90	82.90	8þ.58	3.41	3,92	14.17	2,92
1,930	100.00	80.54	97.97	82.14	82.14	80.66	8.21	8.82	10.51	7.35
2,032	99.13	76.55	96.40	78.90	78.90	<sub>2</sub> 75 77	10.36	12.06	11.98	9.12
.1,940	99.40	67.63	92.05	·273.77	74.03	70.34	13.51	15.20	14.44	11,53
1,969	98.31	63.D4	79.80	79.75	80.31	72.87	4.70	5.37	15.76	ે.3.93ેંે
1,992	99.06	67.09	94.26	71.80	71.80	6β.09	13.79	16.26	16.71	11,49
1,927	100.00	68.53	92.36	73.87	74.28	7 .61	15.19	16.495	12.49	+13,23 <sub>-</sub>
1,229	100.00	68.45	88.66	75.14	75.16	68.49	14.29	21.62	12.40	12.53
. 4	96.59	1391	67.79	2.05	91.40	85.61 \$	60.40	69.01	5.47	3.12
, 4	96.88	0.574	60.97	0.94	92.00	₹ <b>85.40</b> .;	81.89	82.58	3.73	#4,27 <i>e</i>
` 4	96.56	1.47	68.10	2.32	91.26	ÿ 85.91 🖟	55.10	65.94	5.90	12.84
7	94.81	12.6234	65.12	÷3.09	90.21	85.50	55.43	56.40	6.01	*3.84
. 8	91.54	1,12	70.00	1.87	91.81	86.65	69.10	69.36	4.25	4.18
6	94.44	147	56.39	2.45	88.70	88.20	69.57	71.175	5.70	5.60
7	95.81	3.21	66.22	4.47	90.40	86.68	32.18	32.91	7.47	2,12
53	98.35	40.15	69.03	53.86	91.49	8 33	2.71	5.7(%)	7.01	1 50
84	99.41	47.817	79.72	60.95	90.30	89.73	4.97	5.02	6.51	3.19
139	99.38	49.46	80.45	64.18	90.88	90.03	5.47	5.478	5.41	3.71
67	99.42	47.70	79.67	59.04	89.96	, 89.56 j	4.56	4.73	7.16	2.88
		F 777		<b>新疆</b> 秦		7		1		<b>建</b>
. 6	98.90	13.41	70.92	21.11	85.52	8 64	9.82	10.12	12.18	2.30
		4 12 0		1000mm / 1000mm		125		100		
· 299	97.39	49.04	67.19	58.51	88.92	88.18	5.59	9.26	7.61	3.48
° 807	96,64	46.72	56.54	80 75	89.67	66.37	3.11	25.57	8.34	2.59
5	99.17	119575	70.66	1.99 🔄	95.34	95.29	63.58	64.10	1.19	3.46

	WSF	WAF	WEAF	WFOR	WEFOR	WSOF	WFOF
	78.26	78.33	74.95	10.62	12.86	12.18	(* 9.31) by
	76.33	76.43	73.17	10.16	11.49	15.00	8.64
	79.42	79.42	75.47	9.71	43.13	11.55	8.55
	77.85	77.9 <b>8</b>	74.97	11.37	12.95	12.01	9.99
	80.64	80.64	78.09	8.79	10.04	11.58	7777
	83.45	83.45	81.12	3.45	3.95	13.55	2.99
	82.21	82.21	80.73	8.11	8.72	10.52	7.26
	79.41	79.41	76.27	9.93	11.63	11.83	276
	73.47	73.75	70.40	13.92	15.57	13.68	11.89
	79.01	79.50	72.50	4.76	5.48	16.54	多3.95法
	71.18	71.18	67.54	14.31	±16.70	15.11	11.89
	74.20	74.63	71.93	14.79	16.09	12.43	12,88
	77.20	77.21	69.80	12.51	20.66	11.80	1,053
	2.06	91.91	86.06	56.50	69.81	5.41	267
	0.95	92.03	85.23	81.11	81.80 9	3.90	数4,07億
	2.17	91.90	86.15	53.77	68,60	5.57	2,637
	4.04	90.22	85.54	43.59	44.45	6.68	312
	1.61	92.00	86.35	71.58	7,1.89	4.17	405
	2.56	89.26	83.31	67.49	69.06	5.42	532
	4.85	90.22	86.07	32.40	33.07	7.45	233
_	58.16	92.26	€83.68 -	2.04	5.12	6.52	1022
	59.98	89.12	88.81	4.52	4.61	7.97	2.84
	61.49	92.19	91.45	3.94	3.96	5.22	2.53
	59.87	88.91	88.62	4.56	.4.66	8.17	2.56
		ļ	1. 1				N. Walt
	18.92	88.68	87.40	9.78	10.47	9.26	2.05
			ţi.		_		<b>大型</b>
	72.99	85.70	78.28	4.86	10.30	10.56	3.73
	82.64	90.62	64.55	2.58	27.72	7.63	2.20
	2.77	95.26	95.05	54.82	56.48	1.37	3 36 8
	**.						

<sup>\*</sup>Statistics for groups of 1 to 2 units are included in the all sizes category but are not shown separately.

<sup>\*\*</sup>Caution: EFOR and WEFOR values may be low since deratings during reserve shutdown periods may not have been reported for a large number of these units.