

# North American Electric Reliability Council

## Performance Subcommittee

Date of Survey - November 5, 1997

### Control Performance Criteria Survey

Due Date	Region	Date Received	(Early) /Late	This Month's	Last Month's	Method Rec'd
				Received Order	Received Order	
12/19	MAAC	12/10	(9)	1	1	Fax
	WSCC/NWPP	12/15	(4)	2	5	Fax
	ECAR	12/18	(1)	3	4	Fax
	WSCC/RMPP	12/19	0	4	3	e-mail
	WSCC/CANV	12/19	0	5	8	e-mail
	MAIN	12/20	1	6	6	e-mail
	ERCOT	12/22	3	7	7	e-mail
	MAPP	12/22	3	8	2	e-mail
	SPP	01/02	14	9	13	e-mail
	SERC	01/06	18	10	10	e-mail
	FRCC	01/08	20	11	9	e-mail
	NPCC	01/12	24	12	11	e-mail
	WSCC/AZNM	02/12	55	13	12	e-mail

## NERC Control Performance Summary - All Interconnections

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

Control Area	Region	% Compliance												Accum	Rank		
		Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97				
City of New Smyrna Beach	FRCC	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	X	100.0	1
Grant County PUD #1	WSCC-NWPP	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	D	100.0	2
City of Independence Missouri	SPP	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	D	100.0	3
Reedy Creek	FRCC	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	X	100.0	4
S Texas & Medina Electric Coops.	ERCOT	97.9	100.0	100.0		100.0	100.0	100.0	100.0	100.0		100.0	99.7	D	99.7	5	
Manitoba Hydro-Electric Board	MAPP	99.3	100.0	100.0	100.0	98.3	100.0	98.3	100.0	100.0	100.0	100.0	99.5	D	99.6	6	
Hydro-Quebec	NPCC	99.6	99.8	99.8	99.9	99.4	99.7	98.9	99.3	99.5	99.7	99.5	99.7	M	99.6	7	
Texas-New Mexico Power Company	ERCOT	99.7	99.0	100.0	100.0	100.0	98.6	99.7	98.6	100.0		100.0	98.4	D	99.4	8	
British Columbia Hydro & Power	WSCC-NWPP	99.7	98.6	99.3	100.0	99.0	99.7	98.6	99.0	100.0	100.0	99.3	98.8	D	99.3	9	
Lincoln Electric System	MAPP	98.6	99.0	98.7	98.8	99.0	99.5	99.5	99.4	99.5	99.3	98.9	99.2	M	99.1	10	
San Diego Gas & Electric Company	WSCC-CANV	99.7	100.0	100.0	99.7	99.3	99.3	99.3	99.7	98.3	99.3	99.7	97.2	D	99.1	11	
City of Starke	FRCC	100.0	97.9	100.0	100.0	100.0		97.9	100.0	97.9	98.6	100.0	97.9	D	99.1	12	
Carolina Power & Light Co. West	SERC	99.1	99.4		98.6	99.4	99.2	99.0	99.0	98.6	99.3	98.7	98.9	D	99.0	13	
Salt River Project	WSCC-AZNM	99.7	99.0	99.3	99.3	99.7	97.2	99.7	99.3	97.2	96.9	98.6	99.3	D	98.8	14	
South Mississippi Electric Power	SERC	98.3	100.0		99.7	94.4	99.3	99.3	98.6	100.0	96.5	98.6	100.0	D	98.7	15	
Southern California Edison Company	WSCC-CANV	97.6	99.3	100.0	99.0	99.7	100.0	95.1	99.7	100.0	100.0	96.5	98.3	D	98.7	16	
Central & South West Sevices, Inc.	ERCOT	96.9	98.0	99.1	98.7	98.7	98.7	99.0	100.0	98.1	98.5	98.9	98.0	M	98.5	17	
Portland General Electric Company	WSCC-NWPP	99.7	95.8	99.7	98.6	99.0	99.0	99.7	98.3	98.3	97.2	98.3	97.2	D	98.3	18	
Houston Lighting & Power Company	ERCOT	97.2	97.2	99.7	97.6	97.6	99.0	99.3	99.0	99.3	98.6	99.7	96.7	D	98.3	19	
Puget Sound Energy	WSCC-NWPP	94.4	98.3	95.1	97.6	100.0	100.0	96.5	99.7	100.0	99.0	96.9	99.8	D	98.2	20	
Ontario Hydro	NPCC	98.0	97.8	98.1	98.6	98.4	98.3	97.9	98.2	98.4	99.0	98.5	97.8	M	98.2	21	
Tacoma City Light	WSCC-NWPP	97.6	99.0	99.3	91.3	97.9	97.6	100.0	98.6	100.0	98.3	100.0	98.6	D	98.2	22	
City of Key West	FRCC	99.0	99.3	93.4	96.2	99.3		99.3	99.3	99.3	99.3	97.9	97.0	D	98.0	23	
Muscatine Power & Water	MAPP	99.0	100.0	97.6	100.0	97.9	99.0	99.3	98.3	100.0	99.7	100.0	91.8	D	98.0	24	
Gainesville Regional Utilities	FRCC	96.2	97.9	99.3	98.6	99.3		98.6	98.3	99.0	99.0	98.3	95.8	D	98.0	25	
WAPA - Colorado Missouri	WSCC-RMPP	99.3	93.6		95.7	99.3	98.6	97.9	98.3	99.3	97.9	99.7	97.4	D	97.9	26	
Seattle City Light	WSCC-NWPP	98.6	99.0	99.3	98.6	98.3	95.5	91.7	95.8	96.9	99.7	100.0	99.5	D	97.9	27	
City of Homestead	FRCC	98.3	97.6	97.2	97.9	97.9		99.3	97.2	97.6	97.9	96.9	97.0	D	97.7	28	
Pacific Gas & Electric Company	WSCC-CANV	91.0	93.8	94.4	99.3	99.3	97.9	97.6	99.7	99.0	98.3	100.0	99.0	D	97.5	29	
SEPA - Hartwell	SERC	97.6	98.3		98.3	99.0	99.7		84.7	97.9	100.0	99.3	99.1	D	97.5	30	
Otter Tail Power Company	MAPP	97.3	97.9	97.8	97.0	97.3	98.2	97.7	96.2	98.1	98.8	97.4	96.8	M	97.5	31	
Washington Water Power Company	WSCC-NWPP	99.3	98.6	96.9	99.0	97.9	91.7	91.0	100.0	98.6	99.0	96.9	98.8	D	97.4	32	
City of Tallahassee	FRCC	99.7	99.3	96.2	99.7	94.8		95.1	99.3	98.3	98.3	99.7	93.6	D	97.3	33	

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11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

Control Area	Region	% Compliance												Accum	Rank
		Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97		
Westplains Energy	SPP	93.1	99.7	100.0	100.0		100.0	100.0	91.7	97.2	100.0		93.4 D	97.1	34
SEPA - Russell	SERC	95.1	96.9		94.8	97.9	97.6	95.1	100.0	98.6	97.6	97.6	97.0 D	97.1	35
Bonneville Power Administration	WSCC-NWPP	97.2	93.1	97.2	98.3	96.2	98.3	93.8	100.0	97.6	99.0	99.0	95.8 D	97.0	36
Nevada Power Company	WSCC-CANV	96.9	100.0	100.0	100.0	100.0	99.0	95.5	97.6	100.0	99.3	78.1	97.2 D	97.0	37
Public Service of New Mexico	WSCC-AZNM	98.3	93.0	97.2	97.9	98.3	94.8	94.4	99.0	94.4	100.0	94.3	97.0 D	96.6	38
Idaho Power Company	WSCC-NWPP	99.0	100.0	95.5	95.5	96.0	95.8	97.2	97.6	99.7	96.5	91.7	95.3 D	96.5	39
Texas Municipal Power Pool	ERCOT	94.1	92.0	99.0	97.6	97.6	94.4	95.8	97.2	95.1	97.9	100.0	95.5 D	96.3	40
City of Pasadena	WSCC-CANV	97.6		97.9	95.5	92.7	96.5	94.8	97.6	97.6	98.6	98.6	93.9 D	96.3	41
Austin Electric Utility	ERCOT	79.5	99.0	96.5	99.7	99.7	98.3	96.5	98.3	95.1	98.3	99.3	95.5 D	96.2	42
Lower Colorado River Authority	ERCOT	94.7	95.4	95.4	96.3	96.2	94.8	97.0	97.2	96.0	95.1	100.0	96.2 M	96.2	43
Duke Power Company	SERC	97.2	89.2		97.2	94.8	96.2	97.6	98.3	98.6	97.2	92.4	97.2 D	96.1	44
Texas Utilities Company	ERCOT	92.0	93.0	96.2	95.8	95.6	96.8	96.5	96.9	97.8	97.2	97.3	95.4 M	95.8	45
TransAlta Utilities Corporation	WSCC-NWPP	97.6	98.6	94.1	96.9	95.5	94.8	93.4	98.3	94.1	95.1	93.8	95.7 D	95.6	46
Southern Minnesota Muni. Power	MAPP	93.1	92.4	95.5	96.5	97.9	99.0	97.9	88.2	97.6	97.9	96.9	95.0 D	95.6	47
Chelan County PUD #1	WSCC-NWPP	93.4	100.0	95.5	90.6	92.0	92.0	86.4	99.3	100.0	100.0	96.9	98.3 D	95.6	48
Florida Power Corporation	FRCC	97.6	96.9	94.4	97.2	97.9		95.8	92.4	93.4	93.8	95.8	95.4 D	95.5	49
Montana Power Company	WSCC-NWPP	98.3	96.5	95.5	100.0	93.4	87.2	92.0	95.8	95.8	95.5	95.5	97.9 D	95.5	50
New England Power Exchange	NPCC	95.8	96.7	95.5	96.3	95.4	96.1	96.3	96.1	92.5	93.4	93.6	94.6 M	95.1	51
Upper Peninsula Power Company	MAIN	79.2	97.2	93.4	98.3	100.0	100.0	99.3	100.0	99.7	96.9	99.3	86.6 D	95.1	52
Douglas County PUD #1	WSCC-NWPP	99.7	100.0	100.0	99.7	89.9	94.1	91.7	95.1	96.2	88.5	84.7	98.3 D	95.1	53
Public Utilities Board Brownsville	ERCOT	92.1	95.8	100.0	96.2	96.1	91.9	91.2		93.6		96.2	96.4 M	95.1	54
Seminole Electric Cooperative	FRCC	92.7	89.9	91.3	100.0	93.4		97.9	99.3	97.9	96.2	97.6	92.2 D	95.1	55
Southern Illinois Power Coop	MAIN	94.4	99.7	100.0	100.0	100.0	91.3	100.0	91.7	93.4	70.8	97.2	98.3 D	95.0	56
Grand River Dam Authority	SPP	95.8	99.0	97.6	96.9	98.3	87.8	100.0	94.8	91.3	95.8	97.9	89.8 D	95.0	57
Carolina Power & Light Co. East	SERC	93.8	94.7		95.6	95.3	94.3	94.6	93.0	94.1	95.3	95.9	94.9 D	94.7	58
SEPA - Thurmond	SERC	89.9	94.4		93.8	95.1	97.9		98.3	92.0	96.2	96.5	93.6 D	94.7	59
Cajun Electric Power Cooperative	SPP	95.6	93.8	95.5	96.6	96.0	95.3	94.6	94.5	94.1	93.9	93.0	93.8 M	94.7	60
Union Electric Company	MAIN	100.0	83.3	96.2	97.6	87.5	95.8	94.1	95.5	94.4	98.6	95.1	94.8 D	94.4	61
Electric Energy, Inc.	MAIN	92.3	94.1	96.6	93.1	94.3	96.4	95.6	93.0	92.5	95.5	93.8	94.8 D	94.4	62
Florida Municipal Power Pool	FRCC	96.3	95.5	94.3	96.2	95.2		93.6	92.6	93.0	93.6	91.8	96.0 M	94.4	63
Jacksonville Electric Authority	FRCC	94.7	95.4	92.6	95.2	94.4		94.5	94.1	93.4	93.5	96.1	93.6 M	94.3	64
City of Ft. Pierce	FRCC	94.8	86.5	95.8	95.1	93.4		87.5	97.9	95.8	96.2	96.5	95.7 D	94.2	65
City of Lake Worth	FRCC	79.9	92.4	99.3	96.2	93.1		97.2	93.8	91.3	96.9	99.3	95.1 D	94.1	66

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Control Area	Region	% Compliance												Accum	Rank
		Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97		
Alabama Electric Cooperative	SERC	98.3	95.5		87.2	86.5	98.6	88.9	96.2	94.8	93.1	92.7	96.2 D	93.7	67
Entergy Electric System	SPP	94.0	94.4	95.3	82.9	95.3	95.8	95.5	94.9	94.3	92.6	92.8	94.0 M	93.5	68
City WL&P-Springfield	MAIN	97.9	94.8	98.6	95.1	96.5	96.9	70.5	91.7	99.7	92.0	96.2	92.4 D	93.4	69
Yadkin, Inc.	SERC		88.9		99.3	100.0	99.3	91.3	86.5	79.2		93.4	97.6 D	93.3	70
Tampa Electric Company	FRCC	93.7	91.9	95.6	97.3	95.4		94.8	90.8	93.2	91.8	90.3	91.4 M	93.1	71
Arizona Public Service Company	WSCC-AZNM	99.7	93.4	95.8	93.4	98.3	79.9	88.2	89.2	93.8	97.2	90.3	95.5 D	93.1	72
Kentucky Utilities Company	ECAR	93.4	89.9		92.4	92.0	94.4	95.1	88.9	97.8	97.9	93.4	90.3 D	93.0	73
Maritime Area	NPCC	95.1	94.5	94.5	96.0	91.7	90.2	93.5	91.0	91.1	89.5	87.8	94.5 M	92.4	74
L.A. Dept of Water & Power	WSCC-CANV	94.3	93.4	93.2	93.2	92.8	90.5	91.1	92.3	91.0	90.8	92.1	93.4 D	92.4	75
Central Illinois Pub Serv Co	MAIN	90.7	90.9	93.4	96.0	93.6	94.7	93.9	88.1	89.7	91.8	93.0	92.2 M	92.3	76
PacifiCorp-East	WSCC-NWPP	93.1	95.8	92.4	92.0	89.2	97.9	84.7	99.0	77.4	94.1	91.0	95.8 D	92.2	77
United Power Association	MAPP	90.3	88.2	92.0	92.0	94.2	94.8	93.7	91.2	92.0	94.3	91.8	90.2 M	91.9	78
El Paso Electric Company	WSCC-AZNM	83.3	96.9	93.8	100.0	80.9	93.4	92.7	91.0	95.1	92.7	91.0	92.0 D	91.9	79
Pub Serv Co of Colorado	WSCC-RMPP	90.5	91.8		93.8	93.2	93.0	91.2	88.3	91.2	89.7	91.2	91.8 M	91.4	80
Virginia Power	SERC	91.3	85.1		92.3	93.0	91.3	95.1	92.4	91.7	92.7	88.2	91.3 D	91.3	81
PacifiCorp-West	WSCC-NWPP	95.1	95.1	88.9	91.5	89.9	85.4	84.8	91.0	94.0	93.1	87.2	94.6 D	91.2	82
Northern States Power Company	MAPP	97.2	95.5	96.5	84.4	92.4	85.1	87.5	94.4	89.2	91.7	79.5	94.8 D	91.0	83
Tucson Electric Power Company	WSCC-AZNM	90.3	92.0	95.1	93.8	93.4	90.6	93.1	89.2	85.1	89.6	92.0	89.4 D	91.0	84
WAPA - Lower Colorado	WSCC-AZNM	96.9	97.6		98.3	92.0	86.8	94.4	99.3	85.1	55.2	97.6	93.6 D	90.9	85
Michigan Electric Coordinated Syst	ECAR	89.5	90.3		92.3	92.4	91.3	89.6	88.3	89.5	91.6	91.7	91.2 M	90.7	86
Tennessee Valley Authority	SERC	85.1	92.4		90.6	91.0	88.9	88.2	83.0	92.0	96.2	90.3	89.6 D	89.7	87
The Dayton Power & Light Company	ECAR	89.9	85.1		92.5	93.2	88.7	87.3	86.4	88.7	90.0	90.9	91.3 M	89.6	88
St.Joseph Light & Power Company	SPP	96.9	99.0	91.3	84.7	78.8	81.6	89.2	89.9	93.4	94.8	90.6	85.8 D	89.4	89
American Electric Power Company	ECAR	84.7	84.8		89.1	92.2	91.4	88.5	87.5	88.4	89.8	90.1	89.7 M	88.8	90
Indianapolis Power & Light Company	ECAR	87.3	86.5		98.2	89.0	90.2	87.5	84.1	86.2	89.2	84.9	86.5 M	88.0	91
Wisconsin Power & Light Company	MAIN	100.0	100.0	100.0	77.8	67.0	78.8	85.1	95.1	86.8	91.0	80.9	84.7 D	87.3	92
Saskatchewan Power Corporation	MAPP	86.5	99.0	94.4	81.3	85.8	83.7	80.2	87.2	86.5	83.0	87.5	86.1 D	86.7	93
Imperial Irrigation District	WSCC-AZNM	91.0	88.9	78.1	92.0	85.1	88.2	80.6	91.3	91.3	67.0	82.3	89.8 D	85.8	94
Missouri Public Service Company	SPP	93.4	71.9	89.6	93.1	69.8	91.0	86.1	89.2	81.3	87.5	73.6	93.2 D	85.6	95
Allegheny Power System	ECAR	84.1	86.2		86.8	84.8	84.6	81.3	80.6	85.3	84.9	85.6	85.5 M	84.6	96
Ohio Valley Electric Corporation	ECAR	83.6	84.0		84.5	83.3	87.9	84.0	84.5	86.6	84.4	84.1	83.9 M	84.6	97
Louisville Gas & Electric Co	ECAR	85.8	78.5		86.1	91.3	95.5	77.1	70.1	79.5	81.3	81.6	83.9 D	82.9	98
South Carolina Electric & Gas Co	SERC	73.3	87.2		95.5	86.1	86.8	74.7	79.9	86.1	86.1	83.3	75.7 D	82.5	99

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Wisconsin Public Service Corporation	MAIN	83.0	62.8	63.9	76.4	80.6	87.5	85.8	96.9	98.6	87.2	85.4	82.1 D	82.5	100
South Carolina Public Service	SERC	81.3	86.8		86.1	80.2	82.6	85.8	80.9	82.3	82.3	85.4	72.2 D	82.4	101
Comision Federal de Electricidad	WSCC-CANV	69.4	88.4	84.2	83.8	87.3	85.1	80.0	82.0	83.0	81.2	83.8	77.8 D	81.8	102
Southern Indiana Gas & Electric Co	ECAR	81.9	85.4		81.9	73.6	85.8	83.3	72.2	77.1	82.3	82.3	78.8 D	80.3	103
IES Utilities	MAPP	88.9	86.2	87.9	86.1	90.7	81.4	73.3	73.5	75.1	77.9	65.7	77.0 D	80.0	104
Hoosier Energy Rural Electric Coop	ECAR	85.4	78.5		73.6	88.2	75.3	80.2	86.1	88.9	84.4	81.6	67.4 D	79.7	105
Madison Gas & Electric Company	MAIN	80.6	83.3	86.8	64.9	83.0	90.6	71.9	76.0	79.5	89.6	78.1	71.9 D	79.1	106
Big Rivers Electric Corporation	ECAR	68.8	80.9		72.9	89.9	86.8	62.8	71.2	88.5	85.4	85.8	77.8 D	79.1	107
Columbia Water & Light Department	MAIN	85.8	85.8	82.6	68.1	89.6	75.3	73.3	75.7	60.8	70.5	79.9	79.0 D	77.3	108
Oklahoma Gas & Electric Company	SPP	93.1	64.9		83.0	61.1	72.9	84.7	76.0	84.0	66.0	71.5	78.8 D	76.2	109
East Kentucky Power Cooperative	ECAR	74.2	79.0		78.8	76.6	79.4	83.0	77.3	78.8	72.0	71.7	71.0 M	76.1	110
Duquesne Light Company	ECAR	60.7	72.4		70.7	62.6	68.3	70.0	72.0	69.4	69.0	76.8	71.4 M	69.6	111
Cinergy Corporation	ECAR	67.4	68.2		76.2	68.3	69.5	65.3	60.9	66.5	68.0	67.4	68.7 M	67.9	112
Northern Indiana Public Service Co	ECAR	58.0	57.6		65.3	51.0	60.8	60.1	58.7	78.1	66.0	66.7	60.6 D	62.0	113
Central Illinois Light Company	MAIN	51.9	53.0	49.2	53.5	54.5	56.2	55.3	54.8	49.3	53.7	45.6	55.5 M	52.9	114

Note:

- Survey Method is shown next to current months data. An "X" denotes overlap service.
- A blank value represents missing data (due to data aquisition problems, etc.)

# NERC Control Performance Summary - Eastern Interconnection

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

Control Area	Region	% Compliance												Accum	Rank
		Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97		
City of New Smyrna Beach	FRCC	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0 X	100.0	1
City of Independence Missouri	SPP	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 D	100.0	2
Reedy Creek	FRCC	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0 X	100.0	3
Manitoba Hydro-Electric Board	MAPP	99.3	100.0	100.0	100.0	98.3	100.0	98.3	100.0	100.0	100.0	100.0	99.5 D	99.6	4
Hydro-Quebec	NPCC	99.6	99.8	99.8	99.9	99.4	99.7	98.9	99.3	99.5	99.7	99.5	99.7 M	99.6	5
Lincoln Electric System	MAPP	98.6	99.0	98.7	98.8	99.0	99.5	99.5	99.4	99.5	99.3	98.9	99.2 M	99.1	6
City of Starke	FRCC	100.0	97.9	100.0	100.0	100.0		97.9	100.0	97.9	98.6	100.0	97.9 D	99.1	7
Carolina Power & Light Co. West	SERC	99.1	99.4		98.6	99.4	99.2	99.0	99.0	98.6	99.3	98.7	98.9 D	99.0	8
South Mississippi Electric Power	SERC	98.3	100.0		99.7	94.4	99.3	99.3	98.6	100.0	96.5	98.6	100.0 D	98.7	9
Ontario Hydro	NPCC	98.0	97.8	98.1	98.6	98.4	98.3	97.9	98.2	98.4	99.0	98.5	97.8 M	98.2	10
City of Key West	FRCC	99.0	99.3	93.4	96.2	99.3		99.3	99.3	99.3	99.3	97.9	97.0 D	98.0	11
Muscatine Power & Water	MAPP	99.0	100.0	97.6	100.0	97.9	99.0	99.3	98.3	100.0	99.7	100.0	91.8 D	98.0	12
Gainesville Regional Utilities	FRCC	96.2	97.9	99.3	98.6	99.3		98.6	98.3	99.0	99.0	98.3	95.8 D	98.0	13
City of Homestead	FRCC	98.3	97.6	97.2	97.9	97.9		99.3	97.2	97.6	97.9	96.9	97.0 D	97.7	14
SEPA - Hartwell	SERC	97.6	98.3		98.3	99.0	99.7		84.7	97.9	100.0	99.3	99.1 D	97.5	15
Otter Tail Power Company	MAPP	97.3	97.9	97.8	97.0	97.3	98.2	97.7	96.2	98.1	98.8	97.4	96.8 M	97.5	16
City of Tallahassee	FRCC	99.7	99.3	96.2	99.7	94.8		95.1	99.3	98.3	98.3	99.7	93.6 D	97.3	17
Westplains Energy	SPP	93.1	99.7	100.0	100.0		100.0	100.0	91.7	97.2	100.0		93.4 D	97.1	18
SEPA - Russell	SERC	95.1	96.9		94.8	97.9	97.6	95.1	100.0	98.6	97.6	97.6	97.0 D	97.1	19
Duke Power Company	SERC	97.2	89.2		97.2	94.8	96.2	97.6	98.3	98.6	97.2	92.4	97.2 D	96.1	20
Southern Minnesota Muni. Power	MAPP	93.1	92.4	95.5	96.5	97.9	99.0	97.9	88.2	97.6	97.9	96.9	95.0 D	95.6	21
Florida Power Corporation	FRCC	97.6	96.9	94.4	97.2	97.9		95.8	92.4	93.4	93.8	95.8	95.4 D	95.5	22
New England Power Exchange	NPCC	95.8	96.7	95.5	96.3	95.4	96.1	96.3	96.1	92.5	93.4	93.6	94.6 M	95.1	23
Upper Peninsula Power Company	MAIN	79.2	97.2	93.4	98.3	100.0	100.0	99.3	100.0	99.7	96.9	99.3	86.6 D	95.1	24
Seminole Electric Cooperative	FRCC	92.7	89.9	91.3	100.0	93.4		97.9	99.3	97.9	96.2	97.6	92.2 D	95.1	25
Southern Illinois Power Coop	MAIN	94.4	99.7	100.0	100.0	100.0	91.3	100.0	91.7	93.4	70.8	97.2	98.3 D	95.0	26
Grand River Dam Authority	SPP	95.8	99.0	97.6	96.9	98.3	87.8	100.0	94.8	91.3	95.8	97.9	89.8 D	95.0	27
Carolina Power & Light Co. East	SERC	93.8	94.7		95.6	95.3	94.3	94.6	93.0	94.1	95.3	95.9	94.9 D	94.7	28
SEPA - Thurmond	SERC	89.9	94.4		93.8	95.1	97.9		98.3	92.0	96.2	96.5	93.6 D	94.7	29
Cajun Electric Power Cooperative	SPP	95.6	93.8	95.5	96.6	96.0	95.3	94.6	94.5	94.1	93.9	93.0	93.8 M	94.7	30
Union Electric Company	MAIN	100.0	83.3	96.2	97.6	87.5	95.8	94.1	95.5	94.4	98.6	95.1	94.8 D	94.4	31
Electric Energy, Inc.	MAIN	92.3	94.1	96.6	93.1	94.3	96.4	95.6	93.0	92.5	95.5	93.8	94.8 D	94.4	32
Florida Municipal Power Pool	FRCC	96.3	95.5	94.3	96.2	95.2		93.6	92.6	93.0	93.6	91.8	96.0 M	94.4	33

# NERC Control Performance Summary - Eastern Interconnection

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

		% Compliance													
Control Area	Region	Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97	Accum	Rank
Jacksonville Electric Authority	FRCC	94.7	95.4	92.6	95.2	94.4		94.5	94.1	93.4	93.5	96.1	93.6 M	94.3	34
City of Ft. Pierce	FRCC	94.8	86.5	95.8	95.1	93.4		87.5	97.9	95.8	96.2	96.5	95.7 D	94.2	35
City of Lake Worth	FRCC	79.9	92.4	99.3	96.2	93.1		97.2	93.8	91.3	96.9	99.3	95.1 D	94.1	36
Alabama Electric Cooperative	SERC	98.3	95.5		87.2	86.5	98.6	88.9	96.2	94.8	93.1	92.7	96.2 D	93.7	37
Entergy Electric System	SPP	94.0	94.4	95.3	82.9	95.3	95.8	95.5	94.9	94.3	92.6	92.8	94.0 M	93.5	38
City WL&P-Springfield	MAIN	97.9	94.8	98.6	95.1	96.5	96.9	70.5	91.7	99.7	92.0	96.2	92.4 D	93.4	39
Yadkin, Inc.	SERC		88.9		99.3	100.0	99.3	91.3	86.5	79.2		93.4	97.6 D	93.3	40
Tampa Electric Company	FRCC	93.7	91.9	95.6	97.3	95.4		94.8	90.8	93.2	91.8	90.3	91.4 M	93.1	41
Kentucky Utilities Company	ECAR	93.4	89.9		92.4	92.0	94.4	95.1	88.9	97.8	97.9	93.4	90.3 D	93.0	42
Maritime Area	NPCC	95.1	94.5	94.5	96.0	91.7	90.2	93.5	91.0	91.1	89.5	87.8	94.5 M	92.4	43
Central Illinois Pub Serv Co	MAIN	90.7	90.9	93.4	96.0	93.6	94.7	93.9	88.1	89.7	91.8	93.0	92.2 M	92.3	44
United Power Association	MAPP	90.3	88.2	92.0	92.0	94.2	94.8	93.7	91.2	92.0	94.3	91.8	90.2 M	91.9	45
Virginia Power	SERC	91.3	85.1		92.3	93.0	91.3	95.1	92.4	91.7	92.7	88.2	91.3 D	91.3	46
Northern States Power Company	MAPP	97.2	95.5	96.5	84.4	92.4	85.1	87.5	94.4	89.2	91.7	79.5	94.8 D	91.0	47
Michigan Electric Coordinated Syst	ECAR	89.5	90.3		92.3	92.4	91.3	89.6	88.3	89.5	91.6	91.7	91.2 M	90.7	48
Tennessee Valley Authority	SERC	85.1	92.4		90.6	91.0	88.9	88.2	83.0	92.0	96.2	90.3	89.6 D	89.7	49
The Dayton Power & Light Company	ECAR	89.9	85.1		92.5	93.2	88.7	87.3	86.4	88.7	90.0	90.9	91.3 M	89.6	50
St. Joseph Light & Power Company	SPP	96.9	99.0	91.3	84.7	78.8	81.6	89.2	89.9	93.4	94.8	90.6	85.8 D	89.4	51
American Electric Power Company	ECAR	84.7	84.8		89.1	92.2	91.4	88.5	87.5	88.4	89.8	90.1	89.7 M	88.8	52
Indianapolis Power & Light Company	ECAR	87.3	86.5		98.2	89.0	90.2	87.5	84.1	86.2	89.2	84.9	86.5 M	88.0	53
Wisconsin Power & Light Company	MAIN	100.0	100.0	100.0	77.8	67.0	78.8	85.1	95.1	86.8	91.0	80.9	84.7 D	87.3	54
Saskatchewan Power Corporation	MAPP	86.5	99.0	94.4	81.3	85.8	83.7	80.2	87.2	86.5	83.0	87.5	86.1 D	86.7	55
Missouri Public Service Company	SPP	93.4	71.9	89.6	93.1	69.8	91.0	86.1	89.2	81.3	87.5	73.6	93.2 D	85.6	56
Allegheny Power System	ECAR	84.1	86.2		86.8	84.8	84.6	81.3	80.6	85.3	84.9	85.6	85.5 M	84.6	57
Ohio Valley Electric Corporation	ECAR	83.6	84.0		84.5	83.3	87.9	84.0	84.5	86.6	84.4	84.1	83.9 M	84.6	58
Louisville Gas & Electric Co	ECAR	85.8	78.5		86.1	91.3	95.5	77.1	70.1	79.5	81.3	81.6	83.9 D	82.9	59
South Carolina Electric & Gas Co	SERC	73.3	87.2		95.5	86.1	86.8	74.7	79.9	86.1	86.1	83.3	75.7 D	82.5	60
Wisconsin Public Service Corporation	MAIN	83.0	62.8	63.9	76.4	80.6	87.5	85.8	96.9	98.6	87.2	85.4	82.1 D	82.5	61
South Carolina Public Service	SERC	81.3	86.8		86.1	80.2	82.6	85.8	80.9	82.3	82.3	85.4	72.2 D	82.4	62
Southern Indiana Gas & Electric Co	ECAR	81.9	85.4		81.9	73.6	85.8	83.3	72.2	77.1	82.3	82.3	78.8 D	80.3	63
IES Utilities	MAPP	88.9	86.2	87.9	86.1	90.7	81.4	73.3	73.5	75.1	77.9	65.7	77.0 D	80.0	64
Hoosier Energy Rural Electric Coop	ECAR	85.4	78.5		73.6	88.2	75.3	80.2	86.1	88.9	84.4	81.6	67.4 D	79.7	65
Madison Gas & Electric Company	MAIN	80.6	83.3	86.8	64.9	83.0	90.6	71.9	76.0	79.5	89.6	78.1	71.9 D	79.1	66

## NERC Control Performance Summary - Eastern Interconnection

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

Control Area	Region	% Compliance												Accum	Rank
		Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97		
Big Rivers Electric Corporation	ECAR	68.8	80.9		72.9	89.9	86.8	62.8	71.2	88.5	85.4	85.8	77.8 D	79.1	67
Columbia Water & Light Department	MAIN	85.8	85.8	82.6	68.1	89.6	75.3	73.3	75.7	60.8	70.5	79.9	79.0 D	77.3	68
Oklahoma Gas & Electric Company	SPP	93.1	64.9		83.0	61.1	72.9	84.7	76.0	84.0	66.0	71.5	78.8 D	76.2	69
East Kentucky Power Cooperative	ECAR	74.2	79.0		78.8	76.6	79.4	83.0	77.3	78.8	72.0	71.7	71.0 M	76.1	70
Duquesne Light Company	ECAR	60.7	72.4		70.7	62.6	68.3	70.0	72.0	69.4	69.0	76.8	71.4 M	69.6	71
Cinergy Corporation	ECAR	67.4	68.2		76.2	68.3	69.5	65.3	60.9	66.5	68.0	67.4	68.7 M	67.9	72
Northern Indiana Public Service Co	ECAR	58.0	57.6		65.3	51.0	60.8	60.1	58.7	78.1	66.0	66.7	60.6 D	62.0	73
Central Illinois Light Company	MAIN	51.9	53.0	49.2	53.5	54.5	56.2	55.3	54.8	49.3	53.7	45.6	55.5 M	52.9	74

- Note:
- Survey Method is shown next to current month's data. An "X" denotes overlap service.
  - A blank value represents missing data (due to data acquisition problems, etc.)

# NERC Control Performance Summary - Western Interconnection

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

Control Area	Region	% Compliance												Accum	Rank		
		Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97				
Grant County PUD #1	WSCC-NWPP	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	D	100.0	1
British Columbia Hydro & Power	WSCC-NWPP	99.7	98.6	99.3	100.0	99.0	99.7	98.6	99.0	100.0	100.0	99.3	98.8	D	99.3	2	
San Diego Gas & Electric Company	WSCC-CANV	99.7	100.0	100.0	99.7	99.3	99.3	99.3	99.7	98.3	99.3	99.7	97.2	D	99.1	3	
Salt River Project	WSCC-AZNM	99.7	99.0	99.3	99.3	99.7	97.2	99.7	99.3	97.2	96.9	98.6	99.3	D	98.8	4	
Southern California Edison Company	WSCC-CANV	97.6	99.3	100.0	99.0	99.7	100.0	95.1	99.7	100.0	100.0	96.5	98.3	D	98.7	5	
Portland General Electric Company	WSCC-NWPP	99.7	95.8	99.7	98.6	99.0	99.0	99.7	98.3	98.3	97.2	98.3	97.2	D	98.3	6	
Puget Sound Energy	WSCC-NWPP	94.4	98.3	95.1	97.6	100.0	100.0	96.5	99.7	100.0	99.0	96.9	99.8	D	98.2	7	
Tacoma City Light	WSCC-NWPP	97.6	99.0	99.3	91.3	97.9	97.6	100.0	98.6	100.0	98.3	100.0	98.6	D	98.2	8	
WAPA - Colorado Missouri	WSCC-RMPP	99.3	93.6		95.7	99.3	98.6	97.9	98.3	99.3	97.9	99.7	97.4	D	97.9	9	
Seattle City Light	WSCC-NWPP	98.6	99.0	99.3	98.6	98.3	95.5	91.7	95.8	96.9	99.7	100.0	99.5	D	97.9	10	
Pacific Gas & Electric Company	WSCC-CANV	91.0	93.8	94.4	99.3	99.3	97.9	97.6	99.7	99.0	98.3	100.0	99.0	D	97.5	11	
Washington Water Power Company	WSCC-NWPP	99.3	98.6	96.9	99.0	97.9	91.7	91.0	100.0	98.6	99.0	96.9	98.8	D	97.4	12	
Bonneville Power Administration	WSCC-NWPP	97.2	93.1	97.2	98.3	96.2	98.3	93.8	100.0	97.6	99.0	99.0	95.8	D	97.0	13	
Nevada Power Company	WSCC-CANV	96.9	100.0	100.0	100.0	100.0	99.0	95.5	97.6	100.0	99.3	78.1	97.2	D	97.0	14	
Public Service of New Mexico	WSCC-AZNM	98.3	93.0	97.2	97.9	98.3	94.8	94.4	99.0	94.4	100.0	94.3	97.0	D	96.6	15	
Idaho Power Company	WSCC-NWPP	99.0	100.0	95.5	95.5	96.0	95.8	97.2	97.6	99.7	96.5	91.7	95.3	D	96.5	16	
City of Pasadena	WSCC-CANV	97.6		97.9	95.5	92.7	96.5	94.8	97.6	97.6	98.6	98.6	93.9	D	96.3	17	
TransAlta Utilities Corporation	WSCC-NWPP	97.6	98.6	94.1	96.9	95.5	94.8	93.4	98.3	94.1	95.1	93.8	95.7	D	95.6	18	
Chelan County PUD #1	WSCC-NWPP	93.4	100.0	95.5	90.6	92.0	92.0	86.4	99.3	100.0	100.0	96.9	98.3	D	95.6	19	
Montana Power Company	WSCC-NWPP	98.3	96.5	95.5	100.0	93.4	87.2	92.0	95.8	95.8	95.5	95.5	97.9	D	95.5	20	
Douglas County PUD #1	WSCC-NWPP	99.7	100.0	100.0	99.7	89.9	94.1	91.7	95.1	96.2	88.5	84.7	98.3	D	95.1	21	
Arizona Public Service Company	WSCC-AZNM	99.7	93.4	95.8	93.4	98.3	79.9	88.2	89.2	93.8	97.2	90.3	95.5	D	93.1	22	
L.A. Dept of Water & Power	WSCC-CANV	94.3	93.4	93.2	93.2	92.8	90.5	91.1	92.3	91.0	90.8	92.1	93.4	D	92.4	23	
PacifiCorp-East	WSCC-NWPP	93.1	95.8	92.4	92.0	89.2	97.9	84.7	99.0	77.4	94.1	91.0	95.8	D	92.2	24	
El Paso Electric Company	WSCC-AZNM	83.3	96.9	93.8	100.0	80.9	93.4	92.7	91.0	95.1	92.7	91.0	92.0	D	91.9	25	
Pub Serv Co of Colorado	WSCC-RMPP	90.5	91.8		93.8	93.2	93.0	91.2	88.3	91.2	89.7	91.2	91.8	M	91.4	26	
PacifiCorp-West	WSCC-NWPP	95.1	95.1	88.9	91.5	89.9	85.4	84.8	91.0	94.0	93.1	87.2	94.6	D	91.2	27	
Tucson Electric Power Company	WSCC-AZNM	90.3	92.0	95.1	93.8	93.4	90.6	93.1	89.2	85.1	89.6	92.0	89.4	D	91.0	28	
WAPA - Lower Colorado	WSCC-AZNM	96.9	97.6		98.3	92.0	86.8	94.4	99.3	85.1	55.2	97.6	93.6	D	90.9	29	
Imperial Irrigation District	WSCC-AZNM	91.0	88.9	78.1	92.0	85.1	88.2	80.6	91.3	91.3	67.0	82.3	89.8	D	85.8	30	
Comision Federal de Electricidad	WSCC-CANV	69.4	88.4	84.2	83.8	87.3	85.1	80.0	82.0	83.0	81.2	83.8	77.8	D	81.8	31	

## NERC Control Performance Summary - Western Interconnection

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

### % Compliance

Control Area	Region	Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97	Accum	Rank
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Note:

- Survey Method is shown next to current month's data. An "X" denotes overlap service.
- A blank value represents missing data (due to data acquisition problems, etc.)

# NERC Control Performance Summary - All Interconnections

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

Control Area	Region		% Compliance												Accum	Rank
			Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97		
Kentucky Utilities Company	ECAR	A1	95.1	91.0		92.4	92.4	95.1	97.2	91.0	99.3	98.6	94.4	91.7 D	94.2	1
		A2	91.7	88.9		92.4	91.7	93.8	93.1	86.8	96.4	97.2	92.4	88.9	91.8	
		AVG	93.4	89.9		92.4	92.0	94.4	95.1	88.9	97.8	97.9	93.4	90.3	93.0	
Michigan Electric Coordinated Syst	ECAR	A1	93.8	94.4		95.9	95.6	94.2	93.2	92.2	93.2	95.2	95.4	95.2 M	94.5	2
		A2	85.2	86.2		88.8	89.1	88.5	85.9	84.5	85.7	87.9	88.0	87.2	87.0	
		AVG	89.5	90.3		92.3	92.4	91.3	89.6	88.3	89.5	91.6	91.7	91.2	90.7	
The Dayton Power & Light Company	ECAR	A1	87.7	84.0		92.7	92.7	88.2	88.4	86.5	89.8	90.0	90.7	90.7 M	89.4	3
		A2	92.0	86.3		92.3	93.6	89.2	86.2	86.3	87.5	89.9	91.1	91.8	89.8	
		AVG	89.9	85.1		92.5	93.2	88.7	87.3	86.4	88.7	90.0	90.9	91.3	89.6	
American Electric Power Company	ECAR	A1	89.0	90.4		93.9	96.0	95.5	93.6	93.5	94.9	94.9	95.5	94.0 M	93.8	4
		A2	80.4	79.1		84.3	88.3	87.2	83.4	81.6	81.8	84.7	84.6	85.4	83.9	
		AVG	84.7	84.8		89.1	92.2	91.4	88.5	87.5	88.4	89.8	90.1	89.7	88.8	
Indianapolis Power & Light Company	ECAR	A1	88.9	88.6		98.7	91.5	91.8	90.3	84.4	86.4	90.7	86.0	87.5 M	89.4	5
		A2	85.7	84.3		97.7	86.5	88.5	84.6	83.8	85.9	87.8	83.9	85.6	86.7	
		AVG	87.3	86.5		98.2	89.0	90.2	87.5	84.1	86.2	89.2	84.9	86.5	88.0	
Allegheny Power System	ECAR	A1	91.8	94.4		94.6	93.8	93.2	91.6	91.2	94.0	93.9	93.5	93.9 M	93.3	6
		A2	76.4	78.1		79.0	75.7	76.1	71.1	70.1	76.6	75.9	77.7	77.1	75.9	
		AVG	84.1	86.2		86.8	84.8	84.6	81.3	80.6	85.3	84.9	85.6	85.5	84.6	
Ohio Valley Electric Corporation	ECAR	A1	86.4	84.7		84.6	81.9	88.0	84.1	84.6	86.5	84.4	83.3	81.3 M	84.3	7
		A2	80.8	83.2		84.3	84.7	87.9	83.8	84.3	86.6	84.5	84.8	86.5	84.8	
		AVG	83.6	84.0		84.5	83.3	87.9	84.0	84.5	86.6	84.4	84.1	83.9	84.6	
Louisville Gas & Electric Co	ECAR	A1	83.3	66.0		81.9	85.4	92.4	68.8	58.3	70.1	71.5	75.7	78.5 D	75.9	8
		A2	88.2	91.0		90.3	97.2	98.6	85.4	81.9	88.9	91.0	87.5	89.2	89.9	
		AVG	85.8	78.5		86.1	91.3	95.5	77.1	70.1	79.5	81.3	81.6	83.9	82.9	
Southern Indiana Gas & Electric Co	ECAR	A1	84.0	81.3		73.6	66.0	78.5	81.9	61.1	70.8	76.4	79.2	72.2 D	74.8	9
		A2	79.9	89.6		90.3	81.3	93.1	84.7	83.3	83.3	88.2	85.4	85.4	85.8	
		AVG	81.9	85.4		81.9	73.6	85.8	83.3	72.2	77.1	82.3	82.3	78.8	80.3	

# NERC Control Performance Summary - All Interconnections

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

Control Area	Region		% Compliance											Accum	Rank	
			Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97			Nov 97
Hoosier Energy Rural Electric Coop	ECAR	A1	83.3	74.3		68.1	84.7	72.2	78.5	81.3	87.5	81.9	76.4	62.2D	76.0	10
		A2	87.5	82.6		79.2	91.7	78.5	81.9	91.0	90.3	86.8	86.8	72.6	83.4	
		AVG	85.4	78.5		73.6	88.2	75.3	80.2	86.1	88.9	84.4	81.6	67.4	79.7	
Big Rivers Electric Corporation	ECAR	A1	66.7	88.9		81.3	91.7	87.5	69.4	80.6	91.0	86.1	90.3	80.9D	82.9	11
		A2	70.8	72.9		64.6	88.2	86.1	56.3	61.8	86.1	84.7	81.3	74.7	75.2	
		AVG	68.8	80.9		72.9	89.9	86.8	62.8	71.2	88.5	85.4	85.8	77.8	79.1	
East Kentucky Power Cooperative	ECAR	A1	84.7	89.0		89.2	86.6	89.2	91.1	89.0	90.3	85.8	84.3	81.4M	86.8	12
		A2	63.6	69.0		68.4	66.6	69.6	74.8	65.7	67.3	58.1	59.2	60.7	65.3	
		AVG	74.2	79.0		78.8	76.6	79.4	83.0	77.3	78.8	72.0	71.7	71.0	76.1	
Duquesne Light Company	ECAR	A1	68.3	84.7		83.4	75.2	80.5	82.8	82.3	80.4	81.1	88.2	82.8M	81.0	13
		A2	53.0	60.2		58.0	50.0	56.0	57.2	61.8	58.5	57.0	65.5	60.1	58.1	
		AVG	60.7	72.4		70.7	62.6	68.3	70.0	72.0	69.4	69.0	76.8	71.4	69.6	
Cinergy Corporation	ECAR	A1	80.0	83.6		90.1	83.2	84.1	81.6	78.0	83.3	85.3	83.2	83.0M	83.2	14
		A2	54.8	52.8		62.3	53.4	55.0	49.0	43.8	49.8	50.7	51.7	54.4	52.7	
		AVG	67.4	68.2		76.2	68.3	69.5	65.3	60.9	66.5	68.0	67.4	68.7	67.9	
Northern Indiana Public Service Co	ECAR	A1	88.9	97.2		97.2	81.9	97.2	97.2	93.1	65.3	97.9	97.2	96.2D	92.1	15
		A2	27.1	18.1		33.3	20.1	24.3	22.9	24.3	91.0	34.0	36.1	25.0	31.8	
		AVG	58.0	57.6		65.3	51.0	60.8	60.1	58.7	78.1	66.0	66.7	60.6	62.0	

# NERC Control Performance Summary - All Interconnections

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

Control Area	Region		% Compliance											Accum	Rank	
			Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97			Nov 97
S Texas & Medina Electric Coops.	ERCOT	A1	97.9	100.0	100.0		100.0	100.0	100.0	100.0	100.0		100.0	99.3 D	99.7	1
		A2	97.9	100.0	100.0		100.0	100.0	100.0	100.0	100.0		100.0	100.0	99.8	
		AVG	97.9	100.0	100.0		100.0	100.0	100.0	100.0	100.0		100.0	99.7	99.7	
Texas-New Mexico Power Company	ERCOT	A1	99.3	98.6	100.0	100.0	100.0	97.9	99.3	97.2	100.0		100.0	97.2 D	98.9	2
		A2	100.0	99.3	100.0	100.0	100.0	99.3	100.0	100.0	100.0		100.0	99.7	99.8	
		AVG	99.7	99.0	100.0	100.0	100.0	98.6	99.7	98.6	100.0		100.0	98.4	99.4	
Central & South West Sevices, Inc.	ERCOT	A1	98.4	99.0	99.5	99.4	99.4	98.8	99.3	100.0	98.8	98.8	99.3	98.9 M	99.1	3
		A2	95.5	97.0	98.8	98.1	98.0	98.6	98.7	100.0	97.5	98.2	98.5	97.2	97.9	
		AVG	96.9	98.0	99.1	98.7	98.7	98.7	99.0	100.0	98.1	98.5	98.9	98.0	98.5	
Houston Lighting & Power Company	ERCOT	A1	97.9	97.2	100.0	97.9	97.9	99.3	100.0	99.3	100.0	99.3	99.3	96.5 D	98.6	4
		A2	96.5	97.2	99.3	97.2	97.2	98.6	98.6	98.6	98.6	97.9	100.0	96.9	98.0	
		AVG	97.2	97.2	99.7	97.6	97.6	99.0	99.3	99.0	99.3	98.6	99.7	96.7	98.3	
Texas Municipal Power Pool	ERCOT	A1	91.7	91.0	99.3	99.3	99.3	95.1	95.1	99.3	95.1	96.5	100.0	94.8 D	96.3	5
		A2	96.5	93.1	98.6	95.8	95.8	93.8	96.5	95.1	95.1	99.3	100.0	96.2	96.3	
		AVG	94.1	92.0	99.0	97.6	97.6	94.4	95.8	97.2	95.1	97.9	100.0	95.5	96.3	
Austin Electric Utility	ERCOT	A1	79.2	98.6	96.5	100.0	100.0	97.2	95.8	97.9	95.1	98.6	99.3	95.8 D	96.2	6
		A2	79.9	99.3	96.5	99.3	99.3	99.3	97.2	98.6	95.1	97.9	99.3	95.1	96.3	
		AVG	79.5	99.0	96.5	99.7	99.7	98.3	96.5	98.3	95.1	98.3	99.3	95.5	96.2	
Lower Colorado River Authority	ERCOT	A1	98.6	98.6	99.3	99.6	99.6	99.0	99.3	99.9	99.4	99.0	100.0	99.1 M	99.3	7
		A2	90.7	92.2	91.6	93.0	92.8	90.7	94.7	94.5	92.6	91.2	100.0	93.3	93.1	
		AVG	94.7	95.4	95.4	96.3	96.2	94.8	97.0	97.2	96.0	95.1	100.0	96.2	96.2	
Texas Utilities Company	ERCOT	A1	94.1	96.3	98.6	98.3	98.2	98.7	98.7	98.5	99.1	99.0	99.0	97.3 M	97.9	8
		A2	89.9	89.6	93.8	93.2	93.0	94.8	94.2	95.3	96.5	95.5	95.7	93.6	93.8	
		AVG	92.0	93.0	96.2	95.8	95.6	96.8	96.5	96.9	97.8	97.2	97.3	95.4	95.8	
Public Utilities Board Brownsville	ERCOT	A1	87.4	92.4	100.0	94.5	94.4	86.3	85.3		90.5		93.3	93.9 M	92.0	9
		A2	96.8	99.2	100.0	97.9	97.9	97.5	97.1		96.7		99.1	98.9	98.2	
		AVG	92.1	95.8	100.0	96.2	96.1	91.9	91.2		93.6		96.2	96.4	95.1	

# NERC Control Performance Summary - All Interconnections

11/5/97

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Control Area	Region		% Compliance											Accum	Rank		
			Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97			Nov 97	
Reedy Creek	FRCC	A1	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
		A2	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
		AVG	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
City of New Smyrna Beach	FRCC	A1	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2
		A2	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
		AVG	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
City of Starke	FRCC	A1	100.0	95.8	100.0	100.0	100.0		95.8	100.0	95.8	97.2	100.0	95.8	98.2	98.2	3
		A2	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
		AVG	100.0	97.9	100.0	100.0	100.0		97.9	100.0	97.9	98.6	100.0	97.9	99.1	99.1	
City of Key West	FRCC	A1	97.9	98.6	86.8	92.4	98.6		98.6	98.6	98.6	98.6	95.8	94.1	96.1	96.1	4
		A2	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
		AVG	99.0	99.3	93.4	96.2	99.3		99.3	99.3	99.3	99.3	99.3	97.9	97.0	98.0	
Gainesville Regional Utilities	FRCC	A1	93.1	97.2	98.6	97.2	99.3		98.6	97.2	99.3	97.9	98.6	92.4	96.8	96.8	5
		A2	99.3	98.6	100.0	100.0	99.3		98.6	99.3	98.6	100.0	97.9	99.3	99.2	99.2	
		AVG	96.2	97.9	99.3	98.6	99.3		98.6	98.3	99.0	99.0	98.3	95.8	98.0	98.0	
City of Homestead	FRCC	A1	96.5	95.1	94.4	95.8	95.8		98.6	94.4	95.1	95.8	93.8	94.1	95.3	95.3	6
		A2	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
		AVG	98.3	97.6	97.2	97.9	97.9		99.3	97.2	97.6	97.9	96.9	97.0	97.7	97.7	
City of Tallahassee	FRCC	A1	99.3	98.6	95.8	100.0	90.3		96.5	99.3	96.5	96.5	99.3	92.7	96.5	96.5	7
		A2	100.0	100.0	96.5	99.3	99.3		93.7	99.3	100.0	100.0	100.0	94.4	98.1	98.1	
		AVG	99.7	99.3	96.2	99.7	94.8		95.1	99.3	98.3	98.3	99.7	93.6	97.3	97.3	
Florida Power Corporation	FRCC	A1	97.2	94.4	92.4	96.5	97.2		93.1	87.9	89.6	90.3	94.4	94.3	93.5	93.5	8
		A2	97.9	99.3	96.5	97.9	98.6		98.6	97.0	97.2	97.2	97.2	96.5	97.5	97.5	
		AVG	97.6	96.9	94.4	97.2	97.9		95.8	92.4	93.4	93.8	95.8	95.4	95.5	95.5	
Seminole Electric Cooperative	FRCC	A1	93.8	89.6	91.7	100.0	93.1		97.9	99.3	97.9	95.8	97.2	90.3	94.7	94.7	9
		A2	91.7	90.3	91.0	100.0	93.8		97.9	99.3	97.9	96.5	97.9	94.1	95.4	95.4	
		AVG	92.7	89.9	91.3	100.0	93.4		97.9	99.3	97.9	96.2	97.6	92.2	95.1	95.1	

# NERC Control Performance Summary - All Interconnections

11/5/97

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Control Area	Region		% Compliance											Accum	Rank	
			Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97			Nov 97
Florida Municipal Power Pool	FRCC	A1	95.6	95.3	93.6	95.9	94.8		93.1	93.1	93.0	93.2	91.0	95.3 M	94.0	10
		A2	96.9	95.7	95.1	96.5	95.5		94.1	92.1	92.9	94.1	92.7	96.7	94.7	
		AVG	96.3	95.5	94.3	96.2	95.2		93.6	92.6	93.0	93.6	91.8	96.0	94.4	
Jacksonville Electric Authority	FRCC	A1	94.3	95.0	91.9	94.9	94.0		94.3	93.7	92.8	93.4	96.0	93.6 M	94.0	11
		A2	95.2	95.8	93.3	95.4	94.9		94.8	94.5	94.0	93.6	96.2	93.6	94.6	
		AVG	94.7	95.4	92.6	95.2	94.4		94.5	94.1	93.4	93.5	96.1	93.6	94.3	
City of Ft. Pierce	FRCC	A1	91.7	81.9	92.4	93.1	88.2		75.0	95.8	91.7	92.4	93.1	92.0 D	89.9	12
		A2	97.9	91.0	99.3	97.2	98.6		100.0	100.0	100.0	100.0	100.0	99.3	98.6	
		AVG	94.8	86.5	95.8	95.1	93.4		87.5	97.9	95.8	96.2	96.5	95.7	94.2	
City of Lake Worth	FRCC	A1	62.5	84.7	98.6	92.4	86.8		94.4	88.2	83.3	93.8	98.6	91.7 D	88.9	13
		A2	97.2	100.0	100.0	100.0	99.3		100.0	99.3	99.3	100.0	100.0	98.6	99.4	
		AVG	79.9	92.4	99.3	96.2	93.1		97.2	93.8	91.3	96.9	99.3	95.1	94.1	
Tampa Electric Company	FRCC	A1	93.4	91.7	95.9	97.5	95.8		95.0	91.5	93.8	92.5	91.0	91.4 M	93.4	14
		A2	94.0	92.0	95.2	97.0	95.0		94.6	90.2	92.6	91.0	89.6	91.3	92.8	
		AVG	93.7	91.9	95.6	97.3	95.4		94.8	90.8	93.2	91.8	90.3	91.4	93.1	

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11/5/97

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Control Area	Region		% Compliance												Accum	Rank
			Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97		
Upper Peninsula Power Company	MAIN	A1	66.0	96.5	89.6	96.5	100.0	100.0	98.6	100.0	99.3	94.4	98.6	77.1 D	91.8	1
		A2	92.4	97.9	97.2	100.0	100.0	100.0	100.0	100.0	100.0	99.3	100.0	96.2	98.4	
		AVG	79.2	97.2	93.4	98.3	100.0	100.0	99.3	100.0	99.7	96.9	99.3	86.6	95.1	
Southern Illinois Power Coop	MAIN	A1	94.4	99.3	100.0	100.0	100.0	86.8	100.0	91.7	91.0	70.8	97.2	97.2 D	94.3	2
		A2	94.4	100.0	100.0	100.0	100.0	95.8	100.0	91.7	95.8	70.8	97.2	99.3	95.7	
		AVG	94.4	99.7	100.0	100.0	100.0	91.3	100.0	91.7	93.4	70.8	97.2	98.3	95.0	
Union Electric Company	MAIN	A1	100.0	88.9	97.9	98.6	95.1	97.2	95.8	98.6	96.5	99.3	97.2	97.2 D	96.9	3
		A2	100.0	77.8	94.4	96.5	79.9	94.4	92.4	92.4	92.4	97.9	93.1	92.4	92.0	
		AVG	100.0	83.3	96.2	97.6	87.5	95.8	94.1	95.5	94.4	98.6	95.1	94.8	94.4	
Electric Energy, Inc.	MAIN	A1	90.4	92.5	95.5	92.8	91.9	96.0	94.9	91.2	91.5	95.5	94.7	94.2 D	93.5	4
		A2	94.3	95.7	97.7	93.3	96.8	96.8	96.4	94.8	93.5	95.6	93.0	95.4	95.3	
		AVG	92.3	94.1	96.6	93.1	94.3	96.4	95.6	93.0	92.5	95.5	93.8	94.8	94.4	
City WL&P-Springfield	MAIN	A1	96.5	91.0	97.2	91.7	93.1	94.4	66.0	88.9	99.3	84.7	92.4	86.8 D	89.9	5
		A2	99.3	98.6	100.0	98.6	100.0	99.3	75.0	94.4	100.0	99.3	100.0	97.9	97.0	
		AVG	97.9	94.8	98.6	95.1	96.5	96.9	70.5	91.7	99.7	92.0	96.2	92.4	93.4	
Central Illinois Pub Serv Co	MAIN	A1	94.4	94.5	96.2	97.9	96.4	97.1	96.8	93.5	93.6	95.6	96.0	96.0 M	95.7	6
		A2	87.0	87.4	90.6	94.1	90.8	92.2	91.0	82.8	85.7	88.0	90.0	88.3	88.9	
		AVG	90.7	90.9	93.4	96.0	93.6	94.7	93.9	88.1	89.7	91.8	93.0	92.2	92.3	
Wisconsin Power & Light Company	MAIN	A1	100.0	100.0	100.0	77.8	67.4	78.5	89.6	93.8	87.5	91.0	81.3	84.0 D	87.6	7
		A2	100.0	100.0	100.0	77.8	66.7	79.2	80.6	96.5	86.1	91.0	80.6	85.4	87.0	
		AVG	100.0	100.0	100.0	77.8	67.0	78.8	85.1	95.1	86.8	91.0	80.9	84.7	87.3	
Wisconsin Public Service Corporation	MAIN	A1	85.4	61.8	66.0	75.7	79.9	91.0	87.5	96.5	99.3	87.5	85.4	83.0 D	83.2	8
		A2	80.6	63.9	61.8	77.1	81.3	84.0	84.0	97.2	97.9	86.8	85.4	81.3	81.7	
		AVG	83.0	62.8	63.9	76.4	80.6	87.5	85.8	96.9	98.6	87.2	85.4	82.1	82.5	
Madison Gas & Electric Company	MAIN	A1	73.6	81.3	77.8	51.4	78.5	88.2	69.4	70.1	72.9	86.8	71.5	64.9 D	73.2	9
		A2	87.5	85.4	95.8	78.5	87.5	93.1	74.3	81.9	86.1	92.4	84.7	78.8	85.0	
		AVG	80.6	83.3	86.8	64.9	83.0	90.6	71.9	76.0	79.5	89.6	78.1	71.9	79.1	

# NERC Control Performance Summary - All Interconnections

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

			% Compliance														
Control Area	Region		Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97	Accum	Rank	
Columbia Water & Light Department	MAIN	A1	71.5	71.5	65.3	36.8	80.6	53.5	50.0	53.5	31.9	45.1	60.4	62.2 D	57.3	10	
		A2	100.0	100.0	100.0	99.3	98.6	97.2	96.5	97.9	89.6	95.8	99.3	95.8	97.4		
		AVG	85.8	85.8	82.6	68.1	89.6	75.3	73.3	75.7	60.8	70.5	79.9	79.0	77.3		
Central Illinois Light Company	MAIN	A1	57.1	60.8	60.3	64.1	65.7	67.4	66.7	63.4	59.4	62.2	58.8	68.1 M	63.2	11	
		A2	46.7	45.1	38.1	43.0	43.3	45.0	43.9	46.2	39.1	45.2	32.4	42.8	42.6		
		AVG	51.9	53.0	49.2	53.5	54.5	56.2	55.3	54.8	49.3	53.7	45.6	55.5	52.9		

## NERC Control Performance Summary - All Interconnections

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

Control Area	Region		% Compliance											Accum	Rank			
			Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97			Nov 97		
Manitoba Hydro-Electric Board	MAPP	A1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	D	100.0	1
		A2	98.6	100.0	100.0	100.0	96.5	100.0	96.5	100.0	100.0	100.0	100.0	100.0	99.0		99.2	
		AVG	99.3	100.0	100.0	100.0	98.3	100.0	98.3	100.0	100.0	100.0	100.0	100.0	99.5		99.6	
Lincoln Electric System	MAPP	A1	98.1	98.5	97.9	98.7	98.7	99.5	99.4	99.1	99.4	98.9	98.5	98.8	M	98.8	2	
		A2	99.2	99.6	99.5	99.0	99.3	99.6	99.6	99.7	99.6	99.7	99.4	99.5		99.5		
		AVG	98.6	99.0	98.7	98.8	99.0	99.5	99.5	99.4	99.5	99.3	98.9	99.2		99.1		
Muscatine Power & Water	MAPP	A1	98.6	100.0	97.2	100.0	95.8	98.6	99.3	97.9	100.0	99.3	100.0	90.6	D	97.5	3	
		A2	99.3	100.0	97.9	100.0	100.0	99.3	99.3	98.6	100.0	100.0	100.0	93.1		98.5		
		AVG	99.0	100.0	97.6	100.0	97.9	99.0	99.3	98.3	100.0	99.7	100.0	91.8		98.0		
Otter Tail Power Company	MAPP	A1	97.4	97.9	97.7	97.0	97.2	98.1	97.7	96.4	98.3	98.8	97.6	96.9	M	97.5	4	
		A2	97.2	97.9	97.8	97.0	97.5	98.3	97.8	96.1	97.8	98.7	97.1	96.8		97.4		
		AVG	97.3	97.9	97.8	97.0	97.3	98.2	97.7	96.2	98.1	98.8	97.4	96.8		97.5		
Southern Minnesota Muni. Power	MAPP	A1	86.1	88.9	91.0	93.8	96.5	97.9	95.8	78.5	95.1	95.8	93.8	90.3	D	91.8	5	
		A2	100.0	95.8	100.0	99.3	99.3	100.0	100.0	97.9	100.0	100.0	100.0	99.7		99.4		
		AVG	93.1	92.4	95.5	96.5	97.9	99.0	97.9	88.2	97.6	97.9	96.9	95.0		95.6		
United Power Association	MAPP	A1	91.1	89.5	93.1	92.5	94.3	95.5	94.8	92.5	92.9	95.0	92.6	91.2	M	92.8	6	
		A2	89.4	86.9	91.0	91.6	94.1	94.2	92.6	89.9	91.2	93.6	91.1	89.3		91.1		
		AVG	90.3	88.2	92.0	92.0	94.2	94.8	93.7	91.2	92.0	94.3	91.8	90.2		91.9		
Northern States Power Company	MAPP	A1	98.6	96.5	97.9	87.5	94.4	86.1	88.9	95.8	88.9	92.4	81.9	95.8	D	92.4	7	
		A2	95.8	94.4	95.1	81.3	90.3	84.0	86.1	93.1	89.6	91.0	77.1	93.8		89.6		
		AVG	97.2	95.5	96.5	84.4	92.4	85.1	87.5	94.4	89.2	91.7	79.5	94.8		91.0		
Saskatchewan Power Corporation	MAPP	A1	96.5	97.9	100.0	93.1	97.2	95.1	91.0	98.6	99.3	95.1	93.8	95.1	D	96.0	8	
		A2	76.4	100.0	88.9	69.4	74.3	72.2	69.4	75.7	73.6	70.8	81.3	77.1		77.4		
		AVG	86.5	99.0	94.4	81.3	85.8	83.7	80.2	87.2	86.5	83.0	87.5	86.1		86.7		
IES Utilities	MAPP	A1	91.7	89.9	91.8	89.6	93.6	85.9	82.0	82.4	84.5	80.1	76.4	83.7	D	85.8	9	
		A2	86.2	82.4	84.0	82.5	87.8	76.9	64.5	64.5	65.6	75.8	54.9	70.2		74.3		
		AVG	88.9	86.2	87.9	86.1	90.7	81.4	73.3	73.5	75.1	77.9	65.7	77.0		80.0		

## NERC Control Performance Summary - All Interconnections

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

Control Area	Region		% Compliance											Accum	Rank		
			Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97			Nov 97	
Hydro-Quebec	NPCC	A1	99.8	99.9	100.0	100.0	99.8	99.9	99.6	99.8	99.8	99.9	99.8	99.9	99.9 M	99.9	1
		A2	99.5	99.6	99.7	99.9	99.1	99.4	98.2	98.8	99.1	99.6	99.2	99.5	99.3		
		AVG	99.6	99.8	99.8	99.9	99.4	99.7	98.9	99.3	99.5	99.7	99.5	99.7	99.6		
Ontario Hydro	NPCC	A1	99.6	99.5	99.8	99.9	99.8	99.8	99.8	99.9	99.8	100.0	99.9	99.8	99.8 M	99.8	2
		A2	96.4	96.2	96.5	97.2	97.1	96.7	96.0	96.5	96.9	98.1	97.1	95.9	96.6		
		AVG	98.0	97.8	98.1	98.6	98.4	98.3	97.9	98.2	98.4	99.0	98.5	97.8	98.2		
New England Power Exchange	NPCC	A1	95.5	96.6	95.2	96.3	95.4	96.0	96.3	96.2	92.0	93.3	93.9	94.4	94.4 M	95.1	3
		A2	96.1	96.8	95.8	96.3	95.5	96.1	96.2	96.1	93.1	93.5	93.3	94.7	95.2		
		AVG	95.8	96.7	95.5	96.3	95.4	96.1	96.3	96.1	92.5	93.4	93.6	94.6	95.1		
Maritime Area	NPCC	A1	95.0	95.3	94.9	95.6	92.2	92.9	94.9	91.2	91.4	90.6	90.5	95.8	95.8 M	93.4	4
		A2	95.2	93.7	94.2	96.4	91.1	87.4	92.1	90.7	90.9	88.5	85.1	93.1	91.5		
		AVG	95.1	94.5	94.5	96.0	91.7	90.2	93.5	91.0	91.1	89.5	87.8	94.5	92.4		

# NERC Control Performance Summary - All Interconnections

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

Control Area	Region		% Compliance											Accum	Rank	
			Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97			Nov 97
Carolina Power & Light Co. West	SERC	A1	99.1	99.3		98.5	99.4	99.2	99.1	98.9	98.6	99.3	98.4	98.8 D	98.9	1
		A2	99.1	99.5		98.7	99.4	99.3	98.9	99.0	98.5	99.2	99.1	99.0	99.1	
		AVG	99.1	99.4		98.6	99.4	99.2	99.0	99.0	98.6	99.3	98.7	98.9	99.0	
South Mississippi Electric Power	SERC	A1	97.2	100.0		99.3	91.7	98.6	98.6	98.6	100.0	95.8	97.2	100.0 D	98.1	2
		A2	99.3	100.0		100.0	97.2	100.0	100.0	98.6	100.0	97.2	100.0	100.0	99.4	
		AVG	98.3	100.0		99.7	94.4	99.3	99.3	98.6	100.0	96.5	98.6	100.0	98.7	
SEPA - Hartwell	SERC	A1	96.5	97.2		97.9	99.3	99.3		69.4	95.8	100.0	99.3	98.3 D	95.6	3
		A2	98.6	99.3		98.6	98.6	100.0	100.0	100.0	100.0	100.0	99.3	100.0	99.5	
		AVG	97.6	98.3		98.3	99.0	99.7		84.7	97.9	100.0	99.3	99.1	97.5	
SEPA - Russell	SERC	A1	95.1	98.6		97.9	99.3	99.3	94.4	100.0	100.0	100.0	99.3	99.0 D	98.5	4
		A2	95.1	95.1		91.7	96.5	95.8	95.8	100.0	97.2	95.1	95.8	95.1	95.7	
		AVG	95.1	96.9		94.8	97.9	97.6	95.1	100.0	98.6	97.6	97.6	97.0	97.1	
Duke Power Company	SERC	A1	96.5	90.3		95.1	94.4	96.5	97.2	97.9	97.9	96.5	93.1	97.2 D	95.8	5
		A2	97.9	88.2		99.3	95.1	95.8	97.9	98.6	99.3	97.9	91.7	97.2	96.4	
		AVG	97.2	89.2		97.2	94.8	96.2	97.6	98.3	98.6	97.2	92.4	97.2	96.1	
Carolina Power & Light Co. East	SERC	A1	94.3	95.7		96.6	96.6	95.4	96.1	93.9	94.7	95.7	96.4	95.4 D	95.5	6
		A2	93.3	93.7		94.6	94.0	93.2	93.1	92.1	93.4	94.8	95.4	94.3	93.9	
		AVG	93.8	94.7		95.6	95.3	94.3	94.6	93.0	94.1	95.3	95.9	94.9	94.7	
SEPA - Thurmond	SERC	A1	84.7	91.0		92.4	95.1	98.6		97.9	86.8	93.8	95.1	90.6 D	92.4	7
		A2	95.1	97.9		95.1	95.1	97.2	97.2	98.6	97.2	98.6	97.9	96.5	96.9	
		AVG	89.9	94.4		93.8	95.1	97.9		98.3	92.0	96.2	96.5	93.6	94.7	
Alabama Electric Cooperative	SERC	A1	97.2	91.0		77.8	78.5	97.9	84.0	94.4	91.7	86.8	89.6	94.4 D	89.8	8
		A2	99.3	100.0		96.5	94.4	99.3	93.8	97.9	97.9	99.3	95.8	97.9	97.5	
		AVG	98.3	95.5		87.2	86.5	98.6	88.9	96.2	94.8	93.1	92.7	96.2	93.7	
Yadkin, Inc.	SERC	A1		84.0		100.0	100.0	100.0	88.2	73.6	62.5		90.3	97.9 D	89.4	9
		A2		93.8		98.6	100.0	98.6	94.4	99.3	95.8		96.5	97.2	97.2	
		AVG		88.9		99.3	100.0	99.3	91.3	86.5	79.2		93.4	97.6	93.3	

# NERC Control Performance Summary - All Interconnections

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

		% Compliance														
Control Area	Region		Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97	Accum	Rank
Virginia Power	SERC	A1	95.1	86.1		95.1	95.8	93.8	97.9	93.8	91.7	94.4	91.0	95.1 D	93.7	10
		A2	87.5	84.0		89.4	90.2	88.9	92.4	91.0	91.7	91.0	85.4	87.5	88.9	
		AVG	91.3	85.1		92.3	93.0	91.3	95.1	92.4	91.7	92.7	88.2	91.3	91.3	
Tennessee Valley Authority	SERC	A1	89.6	94.4		95.8	93.8	91.7	94.4	90.3	97.2	97.9	93.1	92.0 D	93.5	11
		A2	80.6	90.3		85.4	88.2	86.1	81.9	75.7	86.8	94.4	87.5	87.2	85.9	
		AVG	85.1	92.4		90.6	91.0	88.9	88.2	83.0	92.0	96.2	90.3	89.6	89.7	
South Carolina Electric & Gas Co	SERC	A1	81.9	93.1		97.2	91.0	91.0	83.3	88.2	95.1	95.1	92.4	82.3 D	89.4	12
		A2	64.6	81.3		93.8	81.3	82.6	66.0	71.5	77.1	77.1	74.3	69.1	75.6	
		AVG	73.3	87.2		95.5	86.1	86.8	74.7	79.9	86.1	86.1	83.3	75.7	82.5	
South Carolina Public Service	SERC	A1	95.8	94.4		95.8	91.7	95.1	93.1	97.2	100.0	100.0	93.8	91.0 D	95.3	13
		A2	66.7	79.2		76.4	68.8	70.1	78.5	64.6	64.6	64.6	77.1	53.5	69.4	
		AVG	81.3	86.8		86.1	80.2	82.6	85.8	80.9	82.3	82.3	85.4	72.2	82.4	

# NERC Control Performance Summary - All Interconnections

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

Control Area	Region		% Compliance											Accum	Rank		
			Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97			Nov 97	
City of Independence Missouri	SPP	A1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
		A2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
		AVG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Westplains Energy	SPP	A1	90.3	99.3	100.0	100.0		100.0	100.0	90.3	95.8	100.0		90.6	D	96.1	2
		A2	95.8	100.0	100.0	100.0		100.0	100.0	93.1	98.6	100.0		96.2		98.2	
		AVG	93.1	99.7	100.0	100.0		100.0	100.0	91.7	97.2	100.0		93.4		97.1	
Grand River Dam Authority	SPP	A1	98.6	99.3	99.3	98.6	97.9	95.8	100.0	98.6	97.2	100.0	99.3	94.4	D	98.0	3
		A2	93.1	98.6	95.8	95.1	98.6	79.9	100.0	91.0	85.4	91.7	96.5	85.1		92.0	
		AVG	95.8	99.0	97.6	96.9	98.3	87.8	100.0	94.8	91.3	95.8	97.9	89.8		95.0	
Cajun Electric Power Cooperative	SPP	A1	97.7	96.8	97.7	98.1	97.4	97.3	96.6	96.5	96.2	96.2	95.8	96.2	M	96.8	4
		A2	93.5	90.9	93.2	95.1	94.6	93.4	92.6	92.5	92.0	91.7	90.2	91.3		92.5	
		AVG	95.6	93.8	95.5	96.6	96.0	95.3	94.6	94.5	94.1	93.9	93.0	93.8		94.7	
Entergy Electric System	SPP	A1	91.9	93.3	95.2	94.3	93.8	94.7	94.1	92.6	91.9	91.6	91.9	94.3	M	93.4	5
		A2	96.1	95.4	95.4	71.4	96.8	96.9	96.9	97.2	96.8	93.6	93.7	93.6		93.6	
		AVG	94.0	94.4	95.3	82.9	95.3	95.8	95.5	94.9	94.3	92.6	92.8	94.0		93.5	
St. Joseph Light & Power Company	SPP	A1	99.3	100.0	97.2	90.3	85.4	88.2	95.1	94.4	97.2	98.6	96.5	93.8	D	94.6	6
		A2	94.4	97.9	85.4	79.2	72.2	75.0	83.3	85.4	89.6	91.0	84.7	77.8		84.1	
		AVG	96.9	99.0	91.3	84.7	78.8	81.6	89.2	89.9	93.4	94.8	90.6	85.8		89.4	
Missouri Public Service Company	SPP	A1	89.6	66.0	91.0	92.4	64.6	86.1	86.1	84.7	74.3	83.3	72.9	88.9	D	82.2	7
		A2	97.2	77.8	88.2	93.8	75.0	95.8	86.1	93.8	88.2	91.7	74.3	97.6		89.0	
		AVG	93.4	71.9	89.6	93.1	69.8	91.0	86.1	89.2	81.3	87.5	73.6	93.2		85.6	
Oklahoma Gas & Electric Company	SPP	A1	99.3	75.7		88.2	68.1	80.6	89.6	84.0	88.9	72.9	76.4	85.1	D	82.8	8
		A2	86.8	54.2		77.8	54.2	65.3	79.9	68.1	79.2	59.0	66.7	72.6		69.7	
		AVG	93.1	64.9		83.0	61.1	72.9	84.7	76.0	84.0	66.0	71.5	78.8		76.2	

# NERC Control Performance Summary - All Interconnections

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

Control Area	Region		% Compliance												Accum	Rank
			Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97		
Salt River Project	WSCC-AZNM	A1	100.0	99.3	99.3	100.0	100.0	97.9	100.0	100.0	100.0	99.3	100.0	99.3 D	99.6	1
		A2	99.3	98.6	99.3	98.6	99.3	96.5	99.3	98.6	94.4	94.4	97.2	99.3	98.0	
		AVG	99.7	99.0	99.3	99.3	99.7	97.2	99.7	99.3	97.2	96.9	98.6	99.3	98.8	
Public Service of New Mexico	WSCC-AZNM	A1	100.0	95.3	97.9	99.3	99.3	95.1	94.4	99.3	95.8	100.0	95.5	97.9 D	97.5	2
		A2	96.5	90.7	96.5	96.5	97.2	94.4	94.4	98.6	93.1	100.0	93.2	96.1	95.7	
		AVG	98.3	93.0	97.2	97.9	98.3	94.8	94.4	99.0	94.4	100.0	94.3	97.0	96.6	
Arizona Public Service Company	WSCC-AZNM	A1	100.0	94.4	97.2	94.4	99.3	81.9	90.3	91.7	95.1	97.9	92.4	97.2 D	94.6	3
		A2	99.3	92.4	94.4	92.4	97.2	77.8	86.1	86.8	92.4	96.5	88.2	93.8	91.6	
		AVG	99.7	93.4	95.8	93.4	98.3	79.9	88.2	89.2	93.8	97.2	90.3	95.5	93.1	
El Paso Electric Company	WSCC-AZNM	A1	89.6	99.3	94.4	100.0	86.8	94.4	96.5	91.0	97.9	97.9	93.1	94.4 D	94.6	4
		A2	77.1	94.4	93.1	100.0	75.0	92.4	88.9	91.0	92.4	87.5	88.9	89.6	89.2	
		AVG	83.3	96.9	93.8	100.0	80.9	93.4	92.7	91.0	95.1	92.7	91.0	92.0	91.9	
Tucson Electric Power Company	WSCC-AZNM	A1	91.0	93.1	95.8	94.4	93.1	91.0	93.8	90.3	86.8	90.3	90.3	89.9 D	91.5	5
		A2	89.6	91.0	94.4	93.1	93.8	90.3	92.4	88.2	83.3	88.9	93.8	88.9	90.5	
		AVG	90.3	92.0	95.1	93.8	93.4	90.6	93.1	89.2	85.1	89.6	92.0	89.4	91.0	
WAPA - Lower Colorado	WSCC-AZNM	A1	97.9	98.6		100.0	96.5	93.8	97.2	99.3	93.1	94.4	100.0	99.0 D	97.4	6
		A2	95.8	96.5		96.5	87.5	79.9	91.7	99.3	77.1	16.0	95.1	88.2	84.3	
		AVG	96.9	97.6		98.3	92.0	86.8	94.4	99.3	85.1	55.2	97.6	93.6	90.9	
Imperial Irrigation District	WSCC-AZNM	A1	86.1	83.3	73.6	84.7	72.9	83.3	72.2	86.1	86.1	58.3	76.4	82.6 D	79.1	7
		A2	95.8	94.4	82.6	99.3	97.2	93.1	88.9	96.5	96.5	75.7	88.2	96.9	92.5	
		AVG	91.0	88.9	78.1	92.0	85.1	88.2	80.6	91.3	91.3	67.0	82.3	89.8	85.8	

# NERC Control Performance Summary - All Interconnections

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

		% Compliance														
Control Area	Region		Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97	Accum	Rank
San Diego Gas & Electric Company	WSCC-CANV	A1	100.0	100.0	100.0	100.0	98.6	98.6	99.3	99.3	97.2	98.6	99.3	96.2 D	98.7	1
		A2	99.3	100.0	100.0	99.3	100.0	100.0	99.3	100.0	99.3	100.0	100.0	98.3	99.5	
		AVG	99.7	100.0	100.0	99.7	99.3	99.3	99.3	99.7	98.3	99.3	99.7	97.2	99.1	
Southern California Edison Company	WSCC-CANV	A1	98.6	99.3	100.0	98.6	99.3	100.0	96.5	99.3	100.0	100.0	97.9	98.6 D	99.0	2
		A2	96.5	99.3	100.0	99.3	100.0	100.0	93.8	100.0	100.0	100.0	95.1	97.9	98.5	
		AVG	97.6	99.3	100.0	99.0	99.7	100.0	95.1	99.7	100.0	100.0	96.5	98.3	98.7	
Pacific Gas & Electric Company	WSCC-CANV	A1	91.0	94.4	96.5	98.6	98.6	97.2	98.6	100.0	98.6	97.9	100.0	99.0 D	97.6	3
		A2	91.0	93.1	92.4	100.0	100.0	98.6	96.5	99.3	99.3	98.6	100.0	99.0	97.4	
		AVG	91.0	93.8	94.4	99.3	99.3	97.9	97.6	99.7	99.0	98.3	100.0	99.0	97.5	
Nevada Power Company	WSCC-CANV	A1	97.2	100.0	100.0	100.0	100.0	99.3	97.2	97.2	100.0	100.0	78.5	97.6 D	97.3	4
		A2	96.5	100.0	100.0	100.0	100.0	98.6	93.8	97.9	100.0	98.6	77.8	96.9	96.7	
		AVG	96.9	100.0	100.0	100.0	100.0	99.0	95.5	97.6	100.0	99.3	78.1	97.2	97.0	
City of Pasadena	WSCC-CANV	A1	95.1		95.8	90.9	85.3	93.1	90.3	95.1	95.1	97.2	97.2	87.8 D	92.6	5
		A2	100.0		100.0	100.0	100.0	100.0	99.3	100.0	100.0	100.0	100.0	100.0	99.9	
		AVG	97.6		97.9	95.5	92.7	96.5	94.8	97.6	97.6	98.6	98.6	93.9	96.3	
L.A. Dept of Water & Power	WSCC-CANV	A1	95.4	94.6	95.0	94.9	94.1	92.5	92.9	94.2	93.4	92.9	94.1	95.0 D	94.1	6
		A2	93.2	92.1	91.5	91.6	91.5	88.6	89.3	90.4	88.5	88.8	90.2	91.9	90.7	
		AVG	94.3	93.4	93.2	93.2	92.8	90.5	91.1	92.3	91.0	90.8	92.1	93.4	92.4	
Comision Federal de Electricidad	WSCC-CANV	A1	80.5	87.8	83.4	82.8	86.1	82.8	76.8	79.2	80.3	78.8	83.0	83.4 D	82.2	7
		A2	58.3	89.0	85.0	84.9	88.4	87.3	83.3	84.7	85.7	83.6	84.7	72.2	81.5	
		AVG	69.4	88.4	84.2	83.8	87.3	85.1	80.0	82.0	83.0	81.2	83.8	77.8	81.8	

# NERC Control Performance Summary - All Interconnections

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

Control Area	Region		% Compliance												Accum	Rank	
			Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97			
Grant County PUD #1	WSCC-NWPP	A1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
		A2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
		AVG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
British Columbia Hydro & Power	WSCC-NWPP	A1	100.0	99.3	100.0	100.0	100.0	100.0	99.3	100.0	100.0	100.0	100.0	99.7	99.8	99.8	2
		A2	99.3	97.9	98.6	100.0	97.9	99.3	97.9	97.9	100.0	100.0	98.6	97.9	98.7	98.7	
		AVG	99.7	98.6	99.3	100.0	99.0	99.7	98.6	99.0	100.0	100.0	99.3	98.8	99.3	99.3	
Portland General Electric Company	WSCC-NWPP	A1	100.0	97.2	100.0	99.3	100.0	99.3	100.0	97.9	99.3	98.6	100.0	99.7	99.3	99.3	3
		A2	99.3	94.4	99.3	97.9	97.9	98.6	99.3	98.6	97.2	95.8	96.5	94.8	97.3	97.3	
		AVG	99.7	95.8	99.7	98.6	99.0	99.0	99.7	98.3	98.3	97.2	98.3	97.2	98.3	98.3	
Puget Sound Energy	WSCC-NWPP	A1	92.4	97.2	94.4	97.9	100.0	100.0	95.8	99.3	100.0	99.3	97.2	99.7	97.9	97.9	4
		A2	96.5	99.3	95.8	97.2	100.0	100.0	97.2	100.0	100.0	98.6	96.5	100.0	98.6	98.6	
		AVG	94.4	98.3	95.1	97.6	100.0	100.0	96.5	99.7	100.0	99.0	96.9	99.8	98.2	98.2	
Tacoma City Light	WSCC-NWPP	A1	97.2	99.3	99.3	89.6	97.2	97.2	100.0	99.3	100.0	99.3	100.0	98.6	98.1	98.1	5
		A2	97.9	98.6	99.3	93.1	98.6	97.9	100.0	97.9	100.0	97.2	100.0	98.6	98.3	98.3	
		AVG	97.6	99.0	99.3	91.3	97.9	97.6	100.0	98.6	100.0	98.3	100.0	98.6	98.2	98.2	
Seattle City Light	WSCC-NWPP	A1	98.6	97.9	99.3	98.6	97.9	95.1	93.1	99.3	98.6	99.3	100.0	99.3	98.2	98.2	6
		A2	98.6	100.0	99.3	98.6	98.6	95.8	90.3	92.4	95.1	100.0	100.0	99.7	97.5	97.5	
		AVG	98.6	99.0	99.3	98.6	98.3	95.5	91.7	95.8	96.9	99.7	100.0	99.5	97.9	97.9	
Washington Water Power Company	WSCC-NWPP	A1	100.0	100.0	98.6	100.0	99.3	92.4	93.1	100.0	99.3	99.3	98.6	99.3	98.4	98.4	7
		A2	98.6	97.2	95.1	97.9	96.5	91.0	88.9	100.0	97.9	98.6	95.1	98.3	96.4	96.4	
		AVG	99.3	98.6	96.9	99.0	97.9	91.7	91.0	100.0	98.6	99.0	96.9	98.8	97.4	97.4	
Bonneville Power Administration	WSCC-NWPP	A1	100.0	99.3	100.0	99.3	99.3	100.0	97.9	100.0	100.0	100.0	100.0	99.3	99.6	99.6	8
		A2	94.4	86.8	94.4	97.2	93.1	96.5	89.6	100.0	95.1	97.9	97.9	92.4	94.4	94.4	
		AVG	97.2	93.1	97.2	98.3	96.2	98.3	93.8	100.0	97.6	99.0	99.0	95.8	97.0	97.0	
Idaho Power Company	WSCC-NWPP	A1	99.3	100.0	98.6	98.6	98.4	100.0	98.6	98.6	100.0	97.9	99.3	99.3	99.1	99.1	9
		A2	98.6	100.0	92.4	92.4	93.7	91.7	95.8	96.5	99.3	95.1	84.0	91.3	94.0	94.0	
		AVG	99.0	100.0	95.5	95.5	96.0	95.8	97.2	97.6	99.7	96.5	91.7	95.3	96.5	96.5	

## NERC Control Performance Summary - All Interconnections

11/5/97

A tabulation of the average of the % time within limits for the A1 and A2 Criteria for the dates shown above each column. The "Accum" column is the average of the monthly values listed. The control areas are ranked by the order of their accumulated percentage compliance.

Control Area	Region		% Compliance												Accum	Rank
			Dec 96	Jan 97	Feb 97	Mar 97	Apr 97	May 97	Jun 97	Jul 97	Aug 97	Sep 97	Oct 97	Nov 97		
TransAlta Utilities Corporation	WSCC-NWPP	A1	100.0	100.0	97.9	98.6	97.9	97.9	96.5	99.3	97.2	100.0	97.9	98.6D	98.5	10
		A2	95.1	97.2	90.3	95.1	93.1	91.7	90.3	97.2	91.0	90.3	89.6	92.7	92.8	
		AVG	97.6	98.6	94.1	96.9	95.5	94.8	93.4	98.3	94.1	95.1	93.8	95.7	95.6	
Chelan County PUD #1	WSCC-NWPP	A1	94.4	100.0	97.2	91.7	93.1	93.1	89.4	98.6	100.0	100.0	97.9	98.3D	96.3	11
		A2	92.4	100.0	93.8	89.6	91.0	91.0	83.3	100.0	100.0	100.0	95.8	98.3	94.9	
		AVG	93.4	100.0	95.5	90.6	92.0	92.0	86.4	99.3	100.0	100.0	96.9	98.3	95.6	
Montana Power Company	WSCC-NWPP	A1	99.3	97.2	96.5	100.0	95.8	87.5	94.4	97.9	99.3	96.5	97.2	98.6D	96.8	12
		A2	97.2	95.8	94.4	100.0	91.0	86.8	89.6	93.8	92.4	94.4	93.8	97.2	94.1	
		AVG	98.3	96.5	95.5	100.0	93.4	87.2	92.0	95.8	95.8	95.5	95.5	97.9	95.5	
Douglas County PUD #1	WSCC-NWPP	A1	100.0	100.0	100.0	100.0	100.0	97.2	95.8	100.0	100.0	100.0	95.8	99.7D	99.1	13
		A2	99.3	100.0	100.0	99.3	79.9	91.0	87.5	90.3	92.4	77.1	73.6	96.9	91.1	
		AVG	99.7	100.0	100.0	99.7	89.9	94.1	91.7	95.1	96.2	88.5	84.7	98.3	95.1	
PacifiCorp-East	WSCC-NWPP	A1	97.9	97.9	97.2	94.4	93.7	100.0	89.8	99.3	82.6	98.6	97.2	99.7D	96.0	14
		A2	88.2	93.8	87.5	89.6	84.6	95.8	79.7	98.6	72.2	89.6	84.7	92.0	88.3	
		AVG	93.1	95.8	92.4	92.0	89.2	97.9	84.7	99.0	77.4	94.1	91.0	95.8	92.2	
PacifiCorp-West	WSCC-NWPP	A1	98.6	100.0	95.1	95.1	93.7	94.4	94.3	97.2	97.2	97.2	92.4	98.6D	96.3	15
		A2	91.7	90.3	82.6	88.0	86.0	76.4	75.2	84.7	90.8	88.9	81.9	90.6	86.0	
		AVG	95.1	95.1	88.9	91.5	89.9	85.4	84.8	91.0	94.0	93.1	87.2	94.6	91.2	
WAPA - Colorado Missouri	WSCC-RMPP	A1	100.0	95.7		96.4	100.0	98.6	98.6	97.9	100.0	97.2	100.0	99.3D	98.6	1
		A2	98.6	91.4		95.0	98.6	98.6	97.3	98.6	98.6	98.6	99.3	95.5	97.1	
		AVG	99.3	93.6		95.7	99.3	98.6	97.9	98.3	99.3	97.9	99.7	97.4	97.9	
Pub Serv Co of Colorado	WSCC-RMPP	A1	92.6	94.9		96.3	95.8	95.1	94.0	91.1	94.5	92.7	91.1	92.9M	93.7	2
		A2	88.3	88.7		91.3	90.6	90.8	88.4	85.6	88.0	86.7	91.2	90.7	89.2	
		AVG	90.5	91.8		93.8	93.2	93.0	91.2	88.3	91.2	89.7	91.2	91.8	91.4	

Note:

- Survey Method is shown next to current month's data. An "X" denotes overlap service.
- A blank value represents missing data (due to data acquisition problems, etc.)

## NERC Control Performance Summary - Control Areas Reporting CPS

11/5/97

The Performance Subcommittee has given permission for Control Areas to measure and report their control performance against the new Control Performance Standard (CPS) in lieu of the A1 and A2 Standards. If an area chooses to do so, it will not be measured against the A1/A2 guide of 90% compliance. The following areas are reporting under the new CPS.

Control Area	Region	% Compliance		Method
		CPS1 %	CPS2 %	
November 1997				
Florida Power & Light Company	FRCC	187.92	99.49	CPS
Florida Municipal Power Pool	FRCC	191.10	98.58	CPS
PJM Interconnection	MAAC	157.54	85.90	CPS
ComEd	MAIN	187.00	96.30	CPS
Illinois Power Company	MAIN	183.36	96.73	CPS
Wisconsin Electric Power Company	MAIN	179.81	98.49	CPS
Nebraska Public Power District	MAPP	161.71	96.25	CPS
Dairyland Power Cooperative	MAPP	204.72	98.30	CPS
Interstate Power Company	MAPP	162.30	99.24	CPS
MidAmerican Energy Company	MAPP	169.68	96.71	CPS
Minnesota Power Company	MAPP	193.12	98.88	CPS
Omaha Public Power District	MAPP	179.11	98.93	CPS
WAPA - Upper Great Plains East	MAPP	194.74	99.86	CPS
New York Power Pool	NPCC	180.60	95.40	CPS
Maritime Area	NPCC	189.10	99.80	CPS
Southern Company Services	SERC	199.27	98.72	CPS
Empire District Electric Company	SPP	282.82	98.50	CPS
City of Lafayette	SPP	172.02	99.64	CPS
Central Louisiana Electric Company	SPP	200.54	99.90	CPS
Central & South West Sevices, Inc.	SPP	181.51	99.62	CPS
Western Resources	SPP	182.73	99.42	CPS
Louisiana Energy & Power Authority	SPP	206.10	99.75	CPS
Southwestern Power Administration	SPP	183.10	100.00	CPS
Board Of Public Utils.	SPP	172.12	96.54	CPS
Southwestern Public Service Co	SPP	195.00	100.00	CPS
Associated Electric Cooperative	SPP	160.70	91.60	CPS
Western Farmers Electric Coop	SPP	185.50	99.95	CPS
Kansas City Power & Light Company	SPP	162.64	95.73	CPS
Sierra Pacific Power Company	WSCC-NWPP	190.00	98.50	CPS
WAPA - Upper Great Plains West	WSCC-RMPP	138.85	97.42	CPS
October 1997				
Florida Power & Light Company	FRCC	191.82	99.53	CPS

## NERC Control Performance Summary - Control Areas Reporting CPS

11/5/97

The Performance Subcommittee has given permission for Control Areas to measure and report their control performance against the new Control Performance Standard (CPS) in lieu of the A1 and A2 Standards. If an area chooses to do so, it will not be measured against the A1/A2 guide of 90% compliance. The following areas are reporting under the new CPS.

Control Area	Region	% Compliance		Method
		CPS1 %	CPS2 %	
PJM Interconnection	MAAC	157.92	87.20	CPS
ComEd	MAIN	183.80	95.30	CPS
Wisconsin Electric Power Company	MAIN	175.02	99.04	CPS
Illinois Power Company	MAIN	202.17	97.20	CPS
Nebraska Public Power District	MAPP	176.70	95.70	CPS
Minnesota Power Company	MAPP	188.60	99.21	CPS
Interstate Power Company	MAPP	159.00	99.46	CPS
Omaha Public Power District	MAPP	176.10	97.46	CPS
Dairyland Power Cooperative	MAPP	207.38	98.45	CPS
MidAmerican Energy Company	MAPP	175.30	97.60	CPS
WAPA - Upper Great Plains East	MAPP	195.51	99.84	CPS
New York Power Pool	NPCC	179.80	79.30	CPS
Southern Company Services	SERC	200.62	98.73	CPS
Louisiana Energy & Power Authority	SPP	205.38	0.00	CPS
Southwestern Public Service Co	SPP	194.50	0.00	CPS
Sunflower Electric Corp.	SPP	0.00	0.00	CPS
Western Resources	SPP	181.95	99.16	CPS
Kansas City Power & Light Company	SPP	162.83	94.48	CPS
Western Farmers Electric Coop	SPP	185.64	99.82	CPS
Empire District Electric Company	SPP	234.60	99.22	CPS
City of Lafayette	SPP	196.08	100.00	CPS
Central & South West Sevices, Inc.	SPP	180.39	99.38	CPS
Southwestern Power Administration	SPP	207.70	99.70	CPS
Central Louisiana Electric Company	SPP	211.41	99.92	CPS
Board Of Public Utils.	SPP	162.63	98.03	CPS
Associated Electric Cooperative	SPP	186.61	94.16	CPS
Sierra Pacific Power Company	WSCC-NWPP	184.80	99.50	CPS
WAPA - Upper Great Plains West	WSCC-RMPP	160.93	99.39	CPS
September 1997				
Florida Power & Light Company	FRCC	191.17	99.79	CPS
PJM Interconnection	MAAC	157.80	85.10	CPS
ComEd	MAIN	184.60	93.70	CPS
Wisconsin Electric Power Company	MAIN	187.84	99.39	CPS
Omaha Public Power District	MAPP	175.95	98.70	CPS
MidAmerican Energy Company	MAPP	170.70	98.38	CPS

## NERC Control Performance Summary - Control Areas Reporting CPS

11/5/97

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Control Area	Region	% Compliance		Method
		CPS1 %	CPS2 %	
Dairyland Power Cooperative	MAPP	217.18	99.09	CPS
WAPA - Upper Great Plains East	MAPP	195.98	99.93	CPS
Interstate Power Company	MAPP	173.50	98.73	CPS
Minnesota Power Company	MAPP	190.40	98.84	CPS
New York Power Pool	NPCC	172.50	80.60	CPS
Southern Company Services	SERC	203.00	95.00	CPS
Louisiana Energy & Power Authority	SPP	210.73	92.26	CPS
Sierra Pacific Power Company	WSCC-NWPP	190.10	98.99	CPS
WAPA - Upper Great Plains West	WSCC-RMPP	164.20	98.35	CPS
August 1997				
PJM Interconnection	MAAC	158.39	84.40	CPS
ComEd	MAIN	176.80	92.30	CPS
MidAmerican Energy Company	MAPP	170.54	98.57	CPS
Omaha Public Power District	MAPP	182.18	99.17	CPS
Dairyland Power Cooperative	MAPP	233.30	99.17	CPS
WAPA - Upper Great Plains East	MAPP	197.20	99.98	CPS
Interstate Power Company	MAPP	168.06	98.77	CPS
Minnesota Power Company	MAPP	194.33	98.51	CPS
New York Power Pool	NPCC	179.80	84.00	CPS
Louisiana Energy & Power Authority	SPP	215.85	99.42	CPS
WAPA - Upper Great Plains West	WSCC-RMPP	168.83	96.81	CPS
July 1997				
PJM Interconnection	MAAC	159.09	81.70	CPS
ComEd	MAIN	150.90	93.20	CPS
Dairyland Power Cooperative	MAPP	238.86	98.02	CPS
MidAmerican Energy Company	MAPP	160.80	97.90	CPS
Minnesota Power Company	MAPP	187.40	98.40	CPS
WAPA - Upper Great Plains East	MAPP	196.84	99.93	CPS
New York Power Pool	NPCC	170.60	92.40	CPS
Louisiana Energy & Power Authority	SPP	218.70	98.70	CPS
WAPA - Upper Great Plains West	WSCC-RMPP	175.27	99.80	CPS
June 1997				
PJM Interconnection	MAAC	160.47	85.20	CPS

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11/5/97

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Control Area	Region	% Compliance		Method
		CPS1 %	CPS2 %	
ComEd	MAIN	141.50	94.30	CPS
MidAmerican Energy Company	MAPP	169.69	98.63	CPS
WAPA - Upper Great Plains East	MAPP	196.31	100.00	CPS
Minnesota Power Company	MAPP	185.78	98.82	CPS
Dairyland Power Cooperative	MAPP	246.22	96.66	CPS
WAPA - Upper Great Plains West	WSCC-RMPP	187.02	96.80	CPS
May 1997				
PJM Interconnection	MAAC	159.80	90.00	CPS
ComEd	MAIN	129.90	94.60	CPS
MidAmerican Energy Company	MAPP	176.62	98.39	CPS
Dairyland Power Cooperative	MAPP	209.74	99.14	CPS
WAPA - Upper Great Plains East	MAPP	196.58	100.00	CPS
WAPA - Upper Great Plains West	WSCC-RMPP	163.81	99.41	CPS
April 1997				
PJM Interconnection	MAAC	159.78	91.30	CPS
ComEd	MAIN			CPS
MidAmerican Energy Company	MAPP	182.69	99.27	CPS
March 1997				
PJM Interconnection	MAAC	158.60	92.70	CPS
ComEd	MAIN	63.50	75.00	CPS
February 1997				
PJM Interconnection	MAAC	157.96	90.30	CPS
ComEd	MAIN	99.60	84.10	CPS
January 1997				
PJM Interconnection	MAAC	157.94	90.00	CPS
ComEd	MAIN	95.00	94.80	CPS
December 1996				
PJM Interconnection	MAAC	157.27	88.20	CPS
ComEd	MAIN	72.10	76.10	CPS
November 1996				

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11/5/97

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Control Area	Region	% Compliance		Method
		CPS1 %	CPS2 %	
PJM Interconnection	MAAC	157.65	88.60	CPS
October 1996				
PJM Interconnection	MAAC	157.41	88.30	CPS

During October 1996 thru February 1997, ComEd and PJM were not evaluating their CPS performance against the epsilon1 limit of 18.