

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 26/Jul/2022 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	107.104	2928.020	1) Gujrat	2.524	-145.423
2) Hydro	18.837	325.837	2) Madhya Pradesh	11.506	163.142
3) Gas	3.216	97.026	3) Chattisgarh	4.020	98.400
Total MSPGCL	129.157	3350.883	4) Maharashtra	156.575	3681.905
B) 1) APLM	69.089	1294.574	5) Goa (Amona)	-1.505	-38.147
2) JSWEL	14.013	360.241	Total	173.120	3759.877
3) VIPL	0.000	0.000	a) Mumbai Schedule	35.537	879.080
4) RPL(AMT)	18.867	532.081	b) Mumbai Drawl	39.098	941.225
5) SWPGPL	4.874	177.558	c) MSEDCL Bilateral *	50.899	1886.130
6) Other IPP	6.779	154.445	Include PX	0.000	2.872
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	35.506	876.940
C) 1) TPCL Thermal	10.800	261.739	Include PX	0.000	0.000
2) TPCL Hydro	7.501	143.285	Standby	0.032	2.140
3) TPCL Gas	0.000	6.389	H) ENERGY CATERED (MUs)		
4) AEML Thermal	4.567	176.965	1) MSEDCL	390.051	9813.529
D) STATE			2) Mumbai Discoms	61.966	1529.605
1) Thermal	236.093	5885.623	3) Other Discoms	8.728	227.423
(A1+C1+C4+(B1-B6))			TOTAL STATE	460.745	11570.557
2) Hydro	26.338	469.122			
3) Gas	3.216	103.415			
4) Wind	17.337	1195.385			
6) SOLAR	4.641	157.133			
TOTAL STATE	287.625	7810.678			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4628	4454	4629	4182
MSPGCL Hydro	618	504	2133	428
MSPGCL Gas	132	133	134	133
MSPGCL Total Generation	5378	5091	6896	4743
Central Sector Receipt	8763	8387	7002	5291
WIND	724	292	518	1243
CPP / IPP Thermal	4979	4752	5089	4538
CPP / IPP Gas	0	0	0	0
SOLAR	443	587	0	0
Exchange with Mumbai	-2099	-2216	-1545	-1110
MSEDCL DEMAND MET	17771	16525	17563	14405
Load Shedding	0	0	0	0
MSEDCL DEMAND	17771	16525	17563	14405
TPCL GENERATION	659	654	1071	703
AEML GENERATION	183	192	244	155
MUMBAI DEMAND	2941	3062	2860	1968
OTHER DISCOM DEMAND	417	368	397	300
STATE DEMAND MET	21129	19955	20820	16673
STATE DEMAND	21129	19955	20820	16673
Frequency (Hz)	49.94	49.99	49.93	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.13 Hz at 06:02 Hrs	49.71 Hz at 14:14 Hrs	49.99	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Daily and Progressive Generation,Maximum,Minimum for 26/Jul/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	2.80	60.23	135	80
Unit 7	0.00	0.00	0	0
Unit 8	0.00	43.27	0	0
Unit 9	8.70	183.95	411	318
Unit 10	9.28	273.79	470	335
Total	20.78	561.23		
Bhusawal				
Unit 3	0.00	44.11	0	0
Unit 4	7.46	203.41	385	265
Unit 5	8.00	186.09	385	265
Total	15.46	433.61		
Parli				
Unit 6	4.25	113.99	190	156
Unit 7	3.95	93.92	180	144
Unit 8	3.00	54.84	176	0
Total	11.20	262.76		
Chandrapur				
Unit 3	0.00	20.97	0	0
Unit 4	2.26	59.27	108	82
Unit 5	5.31	163.41	256	200
Unit 6	3.87	138.02	220	100
Unit 7	0.00	0.00	0	0
Unit 8	10.07	232.30	455	390
Unit 9	10.07	237.94	454	370
Total	31.57	851.90		
Paras				
Unit 3	2.98	89.41	175	0
Unit 4	3.50	91.27	162	121
Total	6.48	180.68		
Khaparkheda				
Unit 1	2.70	66.64	125	100
Unit 2	2.67	75.01	140	90
Unit 3	3.73	85.42	167	131
Unit 4	3.30	39.20	144	130
Unit 5	6.76	224.14	290	275
Total	19.16	490.40		
Nasik				
Unit 3	2.45	76.17	121	25
Unit 4	0.00	39.36	0	0
Unit 5	0.00	31.92	0	0
Total	2.45	147.45		
Uran				
All Units	3.22	97.03	144	132
Total	3.22	97.03		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		
PENCH (MS)				
Pench (MS)	0.61	8.34	26	24
Total	0.61	8.34		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	3.20	57.06	500	40
Stage 4	4.88	36.81	952	0
Stage 3	2.12	36.15	240	0
Total	10.20	130.01		
Hydro				
KDPH	0.86	11.51	36	36
VTRNA	0.54	17.40	61	0
TILLARI	0.41	12.56	58	0
BHIRA T.R.	0.46	10.51	80	0
SMLHY_PTN	5.75	134.38	246	231
GHATGHAR	0.00	1.12	0	0
Total	8.02	187.49		
Wind				
Total	17.34	1195.38	0	0
Total	17.34	1195.38		
CPP				
APML(Mus)	69.09	1294.57	0	0
JSWEL(Mus)	14.01	360.24	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	18.87	532.08	0	0
SWPGPL-Mus	4.87	177.56	0	0
Other(Mus)	6.78	154.44	0	0
Total	113.62	2518.90		
SOLAR				
Total	4.64	157.13	0	0
Total	4.64	157.13		
Tata				
Trombay 5	7.33	163.38	457	266
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.00	3.82	0	0
Trombay 7B	0.00	2.57	0	0
TATA Hydro	7.50	143.28	438	250
Trombay 8	3.47	98.36	217	132
Total	18.30	411.41		
AEMIL				
DTPS U-1&2	4.57	176.96	247	155
Total	4.57	176.96		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	107.10	2928.02	MSPGCL Total	129.16	3350.88
			MSPGCL Thml+Gas	110.32	3025.05	Koyna 1,2 & 4 Total	8.08	93.86
			MSPGCL Hydro	18.84	325.84	State Total	287.62	7810.68

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/Jul/2022

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	LOAD SHED DING	MSEDC L DEM. WITH LS	MUMBAI DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	4320	489	133	4942	1157	4999	0	0	5598	5199	-1263	14697	0	14697	2258	337	17292	50.00
2	4211	427	133	4771	1239	4488	0	0	5622	5587	-1193	14566	0	14566	2085	326	16977	50.00
3	4182	428	133	4743	1243	4538	0	0	5390	5291	-1110	14405	0	14405	1968	300	16673	50.01
4	4171	434	133	4738	1186	4354	0	0	5608	5723	-1054	14660	0	14660	1889	287	16836	49.98
5	4120	423	133	4676	1112	4315	0	0	6112	6278	-1047	15042	0	15042	1884	292	17218	49.99
6	4168	429	132	4729	1120	4728	0	0	6963	7016	-1126	16137	0	16137	1988	330	18455	50.03
7	4365	765	133	5263	1068	4781	0	17	7679	7792	-1265	17307	0	17307	2148	349	19804	50.03
8	4500	457	132	5089	1013	5019	0	132	8126	8376	-1445	17799	0	17799	2320	385	20504	49.99
9	4553	525	133	5211	926	4977	0	254	8415	8568	-1811	17734	0	17734	2643	391	20768	49.97
10	4628	618	132	5378	724	4979	0	443	8477	8763	-2099	17771	0	17771	2941	417	21129	49.94
11	4579	698	133	5410	622	4614	0	526	8740	8997	-2263	17494	0	17494	3095	412	21001	50.00
12	4545	803	132	5480	382	4587	0	581	8421	8784	-2277	17162	0	17162	3137	375	20674	50.02
13	4454	504	133	5091	292	4752	0	587	8492	8387	-2216	16525	0	16525	3062	368	19955	49.99
14	4398	644	132	5174	360	3901	0	552	8610	8395	-2079	15930	0	15930	2907	373	19210	49.92
15	4639	609	143	5391	437	4415	0	548	8478	7983	-2111	16301	0	16301	2939	362	19602	49.84
16	4654	418	134	5206	505	4925	0	508	7819	7494	-2093	16152	0	16152	2932	393	19477	49.94
17	4669	361	134	5164	399	4745	0	319	8080	7981	-2014	16205	0	16205	2903	389	19497	50.02
18	4604	349	134	5087	484	4762	0	145	8263	8196	-1985	16287	0	16287	2875	402	19564	50.00
19	4596	1343	132	6071	475	4988	0	29	7707	7141	-1818	16479	0	16479	2851	407	19737	50.04
20	4629	2133	134	6896	518	5089	0	0	6444	7002	-1545	17563	0	17563	2860	397	20820	49.93
21	4663	2089	144	6896	515	5113	0	0	6349	6185	-1422	16899	0	16899	2755	388	20042	50.00
22	4516	1704	134	6354	479	5084	0	0	6013	6086	-1344	16292	0	16292	2623	367	19282	50.02
23	4499	1325	136	5960	555	4827	0	0	5879	5931	-1242	15678	0	15678	2512	353	18543	50.01
24	4441	862	134	5437	526	4642	0	0	6007	5965	-1276	14966	0	14966	2391	328	17685	50.03
MUs	107.10	18.84	3.22	129.16	17.34	113.62	0.00	4.64	173.29	173.12	-39.10	390.05	0.00	390.05	61.97	8.73	460.74	49.99

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 26/Jul/2022

Position as on 6.30 Hrs of 27/Jul/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Chandrapur Unit 7	500	15/06/2022	05:01		Continued.	Annual Overhaul	31/07/2022
MSPGCL	Koyna Unit 9	80	15/06/2022	08:00		Continued.	Capital Overhaul	30/09/2022
MSPGCL	Koradi Unit 8	660	04/07/2022	21:55		Continued.	Annual Overhaul	10/08/2022
IPP	Adani U-3	660	27/07/2022	00:05		Continued.	Annual Overhaul	17/08/2022
FORCED OUTAGE								
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	No PPA	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage. (NO PPA From 20.05.2019)	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal shortage.(NO PPA From 20.05.2019)	
CENT.SECTOR	Tarapur 1	160	08/01/2020	10:37		Continued.	Refueling. While refueling preparation, some repair works identified which are being executed before refueling.	31/03/2023
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	22/10/2022
CENT.SECTOR	Tarapur 2	160	13/07/2020	04:38		Continued.	For cleaning of clogged basket strainer of cooling water system due to heavy ingress of debris from sea. The outage extended for repair and re-fueling.	31/03/2023
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
IPP	JSW (J) U1	300	16/03/2022	23:16		Continued.	Turbine Vibration	28/07/2022
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	01/09/2022
MSPGCL	Uran Unit B0	120	24/06/2022	06:28		Continued.	Excitation channel fault(Converted to Gas Shortage from 26-06-22)	
MSPGCL	Uran Unit 8	108	24/06/2022	15:33		Continued.	Gas shortage	
IPP	RPL(AMT) U-3	270	30/06/2022	15:00		Continued.	Coal Shortage	
IPP	JSW (J) U4	300	01/07/2022	13:03		Continued.	Turbine bearing Vibration high	28/07/2022
TPC-G	Trombay 7A	120	07/07/2022	01:09		Continued.	Gas shortage	
TPC-G	Trombay 7B	60	07/07/2022	01:21		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 3	210	09/07/2022	11:58		Continued.	Furnace Pressure High	31/07/2022
MSPGCL	Nasik Unit 5	210	11/07/2022	17:00		Continued.	WET COAL	
AEML	AEML Unit 2	250	13/07/2022	00:38		Continued.	Coal Shortage	
IPP	SWPGPL U-3	135	14/07/2022	14:58		Continued.	FD Fan Problem(converted to coal shortage from 19-7-2022)	
MSPGCL	Nasik Unit 4	210	14/07/2022	19:55		Continued.	Wet Coal Problem.	
MSPGCL	Bhusawal Unit 3	210	16/07/2022	06:30		Continued.	Critical coal stock	
IPP	SWPGPL U-2	135	20/07/2022	01:00		Continued.	Coal Shortage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 26/Jul/2022

Position as on 6.30 Hrs of 27/Jul/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	RPL(AMT) U-5	270	20/07/2022	10:00		Continued.	Coal Shortage	
MSPGCL	Uran Unit 5	108	24/07/2022	13:14		Continued.	Gas shortage	
MSPGCL	Parli Unit 8	250	26/07/2022	01:44	26/07/2022	06:15	Low Vacuum	
MSPGCL	Paras Unit 3	250	26/07/2022	20:52		Continued.	Boiler Tube Leakage	28/07/2022

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jul/2022

Statement-VII

Position as on 6.30 Hrs of 27/Jul/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV MAINBAY Outages/Trippings							
400KV MAIN BAY 413 OF SPARE BAY @ CHANDRAPUR 2	InterState	23/06/2022	20:33			EO	for requirement of trip coil material from 400 kv spare bay 413 CB and utilise it in 400 kv Warora Ckt 2 CB 425
400 KV LINE Outages/Trippings							
BUS COUPLER @ PADGHE	IntraState	22/07/2022	13:05			PO	1) Replacement of old Bhel make CB under LES scheme . 2) MTAMC work 3) Diagnostic Testing work
KHADKA-AURANGABAD (WALUJ)	IntraState	25/07/2022	22:28	26/07/2022	06:31	HT	H/T DUE TO O/V
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	26/07/2022	11:09			HT	H/T FOR 400KV TALEGAON PG-CHAKAN LINE LOADING
GT-8 @ KORADI-2	IntraState	26/07/2022	12:18	26/07/2022	20:16		1)Diagnostic testing of CT at Bay 425 & 426 & 2) Routine Bay maintenance work.
KHADKA-AURANGABAD (WALUJ)	IntraState	26/07/2022	23:10			HT	To control overvoltage
JAIGAD - KARAD CKT - 1	IntraState	26/07/2022	23:11	27/07/2022	07:07	HT	To control overvoltage
400 KV ICT Outages/Trippings							
400/220/33 KV 315MVA ICT - 1 @ AKOLA	IntraState	26/07/2022	10:43	26/07/2022	18:38	PO	Routine maintenance and testing work
220 KV TBC Outages/Trippings							
BUS SECTIONALIZER @ TAMBATI	IntraState	27/07/2022	12:10			PO	DC Leakage attending work
220 KV LINE Outages/Trippings							
EKLAHARA(GCR)(NASIK)-BABLESHWAR 2	IntraState	27/04/2022	12:21			EO	Shifting of 220kv GCR-BBLR-2 line on 220kv TBC bay.
BOISAR - VERSOVA	IntraState	16/07/2022	00:30			PO	1. Metro-9 Project work(Erection of 02 new monopoles and shifting of existing lines at Mira Bhyander area)2. DFCCIL Project work(Erection of 03 new inline lattice type towers and shifting existing lines at Virar Area)3. NHSRCL project work(Erection of 02 new towers (01 ȳ Monopole & 01 Lattice) and shifting of existing lines at Vasai Area).
DAHANU - VERSOVA	IntraState	16/07/2022	01:07			PO	1. Metro-9 Project work (Erection of 02 new monopoles and shifting of existing lines at Mira Bhyander area) 2. DFCCIL Project work (Erection of 03 new inline lattice type towers and shifting existing lines at Virar Area) 3. NHSRCL project work (Erection of 02 new towers (01 ȳ Monopole & 01 Lattice) and shifting of existing lines at Vasai Area).
BORIVALI - BOISAR (PG)	IntraState	18/07/2022	16:18			EO	Shifting of Line on TBC due to damaged B-Ph jumper (Twin) between Main Bus & Bus Isolator.
PADGHE - TEMGHAR - 2	IntraState	26/07/2022	02:37	26/07/2022	05:37	EO	For Removal of two nos. of existing wave trap (1250A) at 220KV Temghar s/s.
HINJAWADI I- CHINCHWAD	IntraState	26/07/2022	07:26	26/07/2022	18:38	PO	For erection of MDN+3 tower main body & erection of box type cross arm(opposite side of existing line)
POPHALI - KDPH	IntraState	26/07/2022	08:30	26/07/2022	12:26	EO	220 KV KDPH POPHALI LINE CONDUCTOR STRANDS HEAVILY BROKEN AT CT & BREAKER END; CONDUCTOR MAY GET SNAP.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jul/2022

Statement-VII

Position as on 6.30 Hrs of 27/Jul/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
NIWALI - PAWAS LINE	IntraState	26/07/2022	09:02	26/07/2022	14:40	PO	Replacement of damaged Y & B insulators at loc no.60
ALEPHATA-PARGAON(KATHAPUR)	IntraState	26/07/2022	09:38	26/07/2022	17:41	HT	HAND TRIPPED TO LONIKAND ICT LOADING
EKLAHARE (OCR) - PADGHE	IntraState	26/07/2022	10:04			HT	H/T DUE TO 220KV BBSLR-NASIK LINE LOADING
THEUR-PHURSUNGI CKT II	IntraState	26/07/2022	10:09	26/07/2022	15:34	PO	Bay half yearly maintenance & CT Tan Delta & C Testing work.
CHALISGAON -KOPARGAON	IntraState	26/07/2022	10:33	26/07/2022	13:10	EO	For attending Hot spot observed in Thermoscanning on B Ph CT
PADGHE - TEMGHAR - 1	IntraState	26/07/2022	22:47	27/07/2022	03:22	EO	For dismantling Y & B-ph wave Trap due to lower capacity of 220kv Pdg-Temghar-1 line at Padghe.
TROMBAY - SALSETTE CKT - 1	IntraState	26/07/2022	23:40	27/07/2022	06:47	PO	METRO-4 WORK-Shifting of 220 kV Trombay Salsette 1 on 220 kV TDS RoW in section from loc. 46 to 58
TROMBAY - KALWA	IntraState	27/07/2022	02:31			T	Distance protection, B-Ph, z-1, 11.6 KM, 12.44 KAm from Kalwa
HINJAWADI I- CHINCHWAD	IntraState	27/07/2022	07:49			PO	For erection of MDN+3 tower main body & erection of box type cross arm(opposite side of existing line)
GOREGAON - AAREY CKT - 1	IntraState	27/07/2022	09:08	27/07/2022	11:25	EO	Hotspot to be attended on Y-Phase (Goregaon Side) near Pylon Yard Tower (New VAB 38). (Temp > 150 deg.)
URAN - KHARGHAR 2	IntraState	27/07/2022	12:16			PO	Taking AR Scheme in Service.
220 KV ICT Outages/Trippings							
220 / 110 / 22kV 250 MVA ICT 1 @ SALSETTE	IntraState	12/10/2020	11:35			T	Tripped due to Grid disturbance.
110 KV LINE Outages/Trippings							
DHARAVI VIKHROLI	IntraState	30/08/2021	00:03			PO	Shifting of OPGW and stringing of conductor of 220 kV Trombay-Dharavi- Salsette line and replacement and shifting of conductor of Dharavi Powai and Dharavi Vikhroli line on new tower and dismantling old towers in section 32 to 38. 110 KV Vikhroli Powai line will be formed for dual feed to Vikhroli and Powai.
DHARAVI POWAI	IntraState	30/08/2021	00:03			PO	Shifting of OPGW and stringing of conductor of 220 kV Trombay-Dharavi- Salsette line and replacement and shifting of conductor of Dharavi Powai and Dharavi Vikhroli line on new tower and dismantling old towers in section 32 to 38. 110 KV Vikhroli Powai line will be formed for dual feed to Vikhroli and Powai.
WAGHIVALI - MANKHURD	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shifting these lines on new Multicircuit Towers between Darave to Vashi.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jul/2022

Statement-VII

Position as on 6.30 Hrs of 27/Jul/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
WAGHIVALI - CHEMBUR	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shfiting these lines on new Multicircuit Towers between Darave to Vashi.

HT : Hand Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage