

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Apr/2022 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	172.087	3793.068	1) Gujrat	-3.880	-95.504
2) Hydro	24.730	712.203	2) Madhya Pradesh	8.732	215.409
3) Gas	6.073	152.565	3) Chattisgarh	4.580	106.880
Total MSPGCL	202.890	4657.836	4) Maharashtra	187.413	4043.456
B) 1) APLM	73.501	1565.077	5) Goa (Amona)	-1.409	-36.531
2) JSWEL	22.157	455.258	Total	195.436	4233.710
3) VIPL	0.000	0.000	a) Mumbai Schedule	32.350	679.075
4) RPL(AMT)	31.640	713.727	b) Mumbai Drawl	36.544	756.394
5) SWPGPL	7.780	188.611	c) MSEDCL Bilateral *	69.921	1689.099
6) Other IPP	29.952	765.678	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	32.338	678.141
C) 1) TPCL Thermal	16.122	363.760	Include PX	0.000	0.858
2) TPCL Hydro	5.947	92.903	Standby	0.011	0.934
3) TPCL Gas	2.691	72.943	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.588	266.416	1) MSEDCL	533.134	12137.477
D) STATE			2) Mumbai Discoms	72.892	1552.425
1) Thermal	364.827	8111.595	3) Other Discoms	9.306	207.398
(A1+C1+C4+(B1-B6))			TOTAL STATE	615.332	13897.300
2) Hydro (A2+C2)	30.677	805.106			
3) Gas (A3+B7+C3)	8.764	225.508			
4) Wind	7.195	321.501			
6) SOLAR	8.433	199.871			
TOTAL STATE	419.896	9663.581			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 15 Hrs	C. Evening Peak at 21 Hrs	D. Night Minimum at 8 Hrs
MSPGCL Thermal	7227	7131	7220	7284
MSPGCL Hydro	768	1184	796	398
MSPGCL Gas	267	257	247	267
MSPGCL Total Generation	8262	8572	8263	7949
Central Sector Receipt	9690	10114	7504	7472
WIND	125	114	550	155
CPP / IPP Thermal	6848	6899	6976	6845
CPP / IPP Gas	0	0	0	0
SOLAR	1090	1025	0	239
Exchange with Mumbai	-1849	-2029	-1505	-1156
MSEDCL DEMAND MET	23746	24280	21369	21103
Load Shedding	0	0	0	0
MSEDCL DEMAND	23746	24280	21369	21103
TPCL GENERATION	1010	1010	1155	887
AEML GENERATION	481	476	490	478
MUMBAI DEMAND	3340	3515	3150	2521
OTHER DISCOM DEMAND	420	415	419	401
STATE DEMAND MET	27506	28210	24938	24025
STATE DEMAND	27506	28210	24938	24025
Frequency (Hz)	49.85	49.73	49.94	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.24 Hz at 18.02 Hrs	49.6 Hz at 14.55 Hrs	49.89	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 23/Apr/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.94	92.50	200	115
Unit 7	0.00	0.00	0	0
Unit 8	12.55	310.36	587	300
Unit 9	13.42	315.52	584	542
Unit 10	13.00	96.15	555	512
Total	42.91	814.53		
Bhusawal				
Unit 3	3.23	56.96	155	115
Unit 4	7.71	215.27	370	280
Unit 5	7.30	218.34	350	280
Total	18.24	490.57		
Parli				
Unit 6	4.84	101.36	250	143
Unit 7	5.25	100.25	238	180
Unit 8	3.27	77.13	154	126
Total	13.36	278.74		
Chandrapur				
Unit 3	4.21	96.40	182	167
Unit 4	3.64	86.93	156	145
Unit 5	8.69	186.76	381	325
Unit 6	9.79	170.74	420	400
Unit 7	8.97	205.03	398	350
Unit 8	10.79	242.33	460	440
Unit 9	9.79	234.45	444	379
Total	55.88	1222.65		
Paras				
Unit 3	5.22	124.10	229	200
Unit 4	5.15	116.18	222	195
Total	10.37	240.28		
Khaparkheda				
Unit 1	2.96	72.83	145	100
Unit 2	3.21	74.68	145	125
Unit 3	3.28	90.76	185	0
Unit 4	3.23	78.00	144	125
Unit 5	10.65	250.49	470	420
Total	23.33	566.76		
Nasik				
Unit 3	4.16	89.04	190	130
Unit 4	0.00	63.85	0	0
Unit 5	3.84	26.64	184	120
Total	8.00	179.53		
Uran				
All Units	6.07	152.56	277	237
Total	6.07	152.56		
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)	0.13	2.91	23	0
Total	0.13	2.91		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	6.94	151.82	525	35
Stage 4	6.27	280.77	968	0
Stage 3	2.49	93.21	194	0
Total	15.70	525.81		
Hydro				
KDPH	0.74	19.01	31	31
VTRNA	0.86	17.90	60	0
TILLARI	0.51	10.97	58	0
BHIRA T.R.	0.38	4.20	80	0
SMLHY_PTN	5.42	126.00	232	216
GHATGHAR	0.99	5.42	125	0
Total	8.90	183.48		
Wind				
Total	7.20	321.50	0	0
Total	7.20	321.50		
CPP				
APML(Mus)	73.50	1565.08	0	0
JSWEL(Mus)	22.16	455.26	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.64	713.73	0	0
SWPGPL-Mus	7.78	188.61	0	0
Other(Mus)	29.95	765.68	0	0
Total	165.03	3688.35		
SOLAR				
Total	8.43	199.87	0	0
Total	8.43	199.87		
Tata				
Trombay 5	10.53	242.70	455	422
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.52	43.75	113	52
Trombay 7B	1.17	29.19	66	44
TATA Hydro	5.95	92.90	435	107
Trombay 8	5.59	121.06	240	220
Total	24.76	529.61		
AEML				
DTPS U-1&2	11.59	266.42	502	436
Total	11.59	266.42		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	172.09	3793.07	MSPGCL Total	202.89	4657.84
			MSPGCL Thml+Gas	178.16	3945.63	Koyna 1,2 & 4 Total	13.21	432.60
			MSPGCL Hydro	24.73	712.20	State Total	419.90	9663.58

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/Apr/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 DEMAND	OTHER DISCOM DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	7038	1324	277	8639	531	6882	0	0	7451	7539	-1452	21799	0	21799	3095	340	25234	49.84
2	7130	1405	247	8782	503	6900	0	0	7243	7426	-1324	21972	0	21972	2865	315	25152	49.93
3	7232	1418	247	8897	559	6927	0	0	7039	7097	-1208	21978	0	21978	2683	294	24955	49.92
4	7225	1278	256	8759	555	6964	0	0	7033	6982	-1160	21808	0	21808	2569	292	24669	49.93
5	7211	1232	247	8690	525	7013	0	0	7196	7388	-1123	22181	0	22181	2515	312	25008	49.96
6	7236	1294	257	8787	437	6961	0	0	7212	7397	-1148	22089	0	22089	2574	345	25008	49.97
7	7308	1255	247	8810	237	6946	0	38	7254	7356	-1125	21894	0	21894	2503	368	24765	49.89
8	7284	398	267	7949	155	6845	0	239	7452	7472	-1156	21103	0	21103	2521	401	24025	49.98
9	7135	404	247	7786	85	6532	0	545	7659	7862	-1270	21110	0	21110	2692	430	24232	49.87
10	7070	682	256	8008	115	6544	0	820	8356	8637	-1568	22129	0	22129	2958	427	25514	49.91
11	7214	636	247	8097	135	6872	0	1028	9068	9079	-1775	23018	0	23018	3214	418	26650	49.99
12	7227	768	267	8262	125	6848	0	1090	9551	9690	-1849	23746	0	23746	3340	420	27506	49.85
13	7066	595	237	7898	126	6856	0	1148	9776	9898	-1871	23643	0	23643	3405	412	27460	49.91
14	7057	599	247	7903	109	6877	0	1088	9891	9921	-1884	23610	0	23610	3364	404	27378	49.89
15	7131	1184	257	8572	114	6899	0	1025	9928	10114	-2029	24280	0	24280	3515	415	28210	49.73
16	7243	1682	246	9171	113	6860	0	711	9527	9582	-2043	23975	0	23975	3560	419	27954	49.82
17	7323	1500	257	9080	139	6890	0	481	8962	8847	-1854	23160	0	23160	3432	423	27015	49.87
18	7316	936	247	8499	273	6893	0	190	8148	8027	-1686	21772	0	21772	3270	424	25466	49.95
19	7241	478	246	7965	291	6703	0	30	7819	7758	-1526	20787	0	20787	3151	434	24372	49.99
20	7338	807	257	8402	386	6757	0	0	7370	7523	-1454	21188	0	21188	3161	426	24775	49.88
21	7220	796	247	8263	550	6976	0	0	7340	7504	-1505	21369	0	21369	3150	419	24938	49.94
22	6958	941	256	8155	397	7025	0	0	7333	7129	-1452	20833	0	20833	3107	421	24361	49.80
23	6928	1130	257	8315	384	7027	0	0	7796	7587	-1480	21443	0	21443	3094	390	24927	49.78
24	6956	1988	257	9201	351	7033	0	0	7771	7621	-1602	22247	0	22247	3154	357	25758	49.80
MUs	172.09	24.73	6.07	202.89	7.20	165.03	0.00	8.43	194.17	195.44	-36.54	533.13	0.00	533.13	72.89	9.31	615.33	49.89

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 23/Apr/2022

Position as on 6.30 Hrs of 24/Apr/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
FORCED OUTAGE								
IPP	SWPGPL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
PGPL	PGPL U2	126	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	
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	03/05/2022
MSPGCL	Nasik Unit 4	210	16/04/2022	20:58		Continued.	Condenser Tube Leakage (Unit 4 was not available due to Critical coal stock since from Unit 5 synchronization 04:53 hrs. of 17.04.2022)	24/04/2022
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	
IPP	SWPGPL U-4	135	20/04/2022	16:55	23/04/2022	10:00	PA Fan Vibration Problem	23/04/2022
MSPGCL	Uran Unit 5	108	20/04/2022	16::27		Continued.	Gas shortage	
MSPGCL	Khaparkheda Unit 3	210	23/04/2022	20:43	24/04/2022	23:01	Boiler Tube Leakage	
MSPGCL	Paras Unit 3	250	24/04/2022	08:47	24/04/2022	12:04	Furnace Pressure High	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Apr/2022

Statement-VII

Position as on 6.30 Hrs of 24/Apr/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LR Outages/Trippings							
Pole-1 Non base AC filter Z4 (80 MVAR) @Chandrapur HVDC	IntraState	22/04/2022	09:20	23/04/2022	17:06	PO	For Refurbishment & RTV Coating of AC Filter Air Core reactor through Expert Agency as per OEM M/s Trench Austria guidelines hence this work to be carried out on top priority to avoid Failure of Air Core Reactor
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 1	IntraState	23/04/2022	01:58	23/04/2022	04:04	EO	A] HVDC TL O&M Sub-Division, Junnar:- 1.Chemical Cleaning & Cold line washing of dust contaminated insulator string from location no.1790 to 1792 in Naneghat Area
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	23/04/2022	04:15	23/04/2022	08:03	EO	A] HVDC TL O&M Sub-Division, Junnar:- 1. Chemical Cleaning of dust contaminated insulator string from location no.1790 to 1793 in Naneghat Area. B] HVDC TL O&M Sub-Division, Padghe:- 1. Cold line washing of dust contaminated insulator string from location no.1803 to 1807 in Naneghat Area.
400 KV MAINBAY Outages/Trippings							
MAIN BAY (401) OF BUS REACTOR @ KARJAT	IntraState	24/04/2022	18:24	24/04/2022	19:59	EO	I. R. Testing of jump connecting main bus-1 to reactor
400 KV LINE Outages/Trippings							
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	20/04/2022	11:23			HT	HT for Load Management
NEW KOYNA - DABHOL CKT - 2	IntraState	22/04/2022	09:15	23/04/2022	20:00	PO	Hill cutting work & stay erection Excavation work for tower loc. No.94 & Cold washing work & Diagnostic testing & Relay testing work
DEEPNAGAR - AURANGABAD (WALUJ)	IntraState	23/04/2022	06:20	23/04/2022	18:49	PO	1)Hot spot attending work by Hot Line Method of 89A PG Iso. Y ph.2)for replacement of Faulty dead end at LOC NO.7-8 R & Y
BUS COUPLER @ KALWA	IntraState	23/04/2022	10:58	23/04/2022	12:10	PO	Bay maintenance & testing work
LONIKAND 2 - KARJAT CKT - 1	IntraState	24/04/2022	09:13	24/04/2022	14:24	T	Distance Protection
PARLI-SOLAPUR (LAMBOTI)	IntraState	24/04/2022	09:40	24/04/2022	09:58	EO	Flashover is observed on middle phase of location 219
LONIKAND I -JEJURI	IntraState	24/04/2022	16:36			EO	For attending hotspot on bus conductor at connection of 29A B ph PGI at 400kV Jejuri Bay in 400kV Lonikand-I Ss.
BABHALESHWAR - PADGHE CKT-1	IntraState	24/04/2022	23:42		Continued.	T	Tripped on Distance Protection
400 KV ICT Outages/Trippings							
400/220KV 315 MVA ICT - 2 @ NEW KOYNA	IntraState	23/04/2022	16:48	23/04/2022	18:29	EO	HV sideCentre break Isolator alignment disturbed and same is to be corrected
400/220/33 KV 315 MVA ICT - 2 @ KHARGHAR	IntraState	24/04/2022	01:08	24/04/2022	06:16	EO	Attending hotspot of 220kV Y ph Bushing stud & attending oil leakage from PRV.
400/220/33 KV 315MVA ICT - 1 @ CHAKAN	IntraState	24/04/2022	11:03	24/04/2022	18:46	PO	Diagnostic testing and maintenance work, to attend hotspot at 89B PG isolator Rph clamp
400 KV BR Outages/Trippings							

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Apr/2022

Statement-VII

Position as on 6.30 Hrs of 24/Apr/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
80 MVar Bus reactor @ Talandge	IntraState	24/04/2022	18:45			T	Differential Trip
220 KV LINE Outages/Trippings							
BALE - SOLAPUR (PG)	InterState	24/04/2022	18:27	24/04/2022	22:27	EO	To attend the Hot spot on R Ph & B Ph Line CT
MULUND - GIS BHANDUP	IntraState	29/01/2022	15:44			T	cABLE FAULT
PIRANGUT - HINJAWADI 2	IntraState	22/04/2022	20:45	23/04/2022	02:44	T	DP
KALWA - TFIPL	IntraState	23/04/2022	06:22	23/04/2022	08:08	PO	220KV Y & B-ph CT leakage attending work
URAN - APTA CKT - 1	IntraState	23/04/2022	09:10	23/04/2022	16:45	PO	Replacement of B Phase LA, LA Megerring, Hotspot attending, Bay Maintainece work.
SADAWAGHAPUR KARAD CKT 2	IntraState	23/04/2022	09:32	23/04/2022	18:17	PO	Replacement of flashover disc insulator string at Loc No.61 B ph and tightening of jumper nut bolts CP locations
BUS COUPLER @ AAREY	IntraState	23/04/2022	09:55	23/04/2022	16:48	PO	Annual maintenance of Main Bus-1 side isolators and equipments
MAIN BUS - 1 @ AAREY	IntraState	23/04/2022	09:55	23/04/2022	16:48	PO	Annual maintenance of Main Bus-1 side isolators and equipments
CHAKAN-BHOSARI 1	IntraState	23/04/2022	10:34	23/04/2022	17:57	PO	Replacement of LMU and diagnostic testing purpose
KALWA - BORIVALI	IntraState	23/04/2022	14:27	24/04/2022	00:03	EO	Replacement of Wave Trap by higher capacity Wave traps to increase the line capacity.
WATHAR - MUDSHINGI 3 LINE	IntraState	23/04/2022	16:40	23/04/2022	18:30	PO	Quarterly maintainance works.Dignotesting Works.
PUSAD - WARDHA (PG)	IntraState	23/04/2022	20:55	24/04/2022	13:15	T	Distance Protection
BHOSARI 2 - TELCO	IntraState	23/04/2022	21:08	24/04/2022	05:22	EO	245kV CB Mechanism replacement (R Y & B ph)
PADGHE - WADA	IntraState	24/04/2022	01:35	24/04/2022	02:53	EO	To attend red Hot Spot on B phase isolator
BOISAR II - BOISAR (PG) CKT - 3	IntraState	24/04/2022	11:54	24/04/2022	19:19	PO	"Pre Monsoon Maintenance of Line & Bay Maintenance works"
WARDHA - WARDHA (PG)	IntraState	24/04/2022	13:55		Continued.	PO	For Project work.(for stringing between Loc. No 2 to 3 of new 220 KV Deoli Ghatoli Line, Crossing overhead to 220 KV Wardha-Deoli (PGCIL) and 220kV Badnera-Deoli(PGCIL)Line.
WARDHA (PG) - BADNERA	IntraState	24/04/2022	14:00		Continued.	PO	For Project work.(for stringing between Loc. No 2 to 3 of new 220 KV Deoli Ghatoli Line, Crossing overhead to 220 KV Wardha-Deoli (PGCIL) and 220kV Badnera-Deoli(PGCIL)Line.
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.
220/22 KV 50 MVA PTR 1 @ KANDALGAON	IntraState	14/12/2021	16:55			EO	For dismantailing said 50MVA T/f 1 at 220 kV K'gaon S/s
220/132 KV 200 MVA ICT 3 @ BABHLESHWAR	IntraState	20/12/2021	22:45			T	Tripped on Diferrential protection and Declare faulty
220/132 KV 100 MVA ICT 1 @ LONIKAND 2	IntraState	01/03/2022	18:17			T	Differential Protection
220/33 KV 50 MVA PTR 1	IntraState	20/04/2022	09:41			PO	50MVA BBL TF-1 Top plate gasket replacement work including radiators gasket and all allied works.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Apr/2022

Statement-VII

Position as on 6.30 Hrs of 24/Apr/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220 / 105 / 33kV 250 MVA ICT 7 @ DHARAVI	IntraState	23/04/2022	09:10		Continued.	PO	for Installation of BPI along with structures at ICT-7 AIS bay and attending oil leakage in 33 KV bushing
220/33kV 50MVA TF-1 @ KOPARGAON	IntraState	23/04/2022	16:05	23/04/2022	18:50	PO	For Hot spot attending work.
220 / 110 / 33kV 250MVA AT 1 @ BACKBAY	IntraState	24/04/2022	08:59	24/04/2022	16:06	PO	R/M AND TESTING
110 KV LINE Outages/Trippings							
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 shfting these lines on new Multicircuit Towers between Darave to Vashi.
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 shfting these lines on new Multicircuit Towers between Darave to Vashi.
KALYAN KALWA SALSETTE 1	IntraState	23/04/2022	06:14	23/04/2022	18:24	PO	for shifting of conductor at newly erected tower no.30 in strain position
100 KV LINE Outages/Trippings							
CREEK SIDE BUS @ KALWA	IntraState	24/04/2022	10:11	24/04/2022	20:21	PO	100kv Creek side Bus outage for earth wire replacement work.

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