

Availability at Daily Maximum Demand Hour

ST-Coal	8,892 MW
ST-Gas	494 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,247 MW
Distillate	0 MW
Others	0 MW
Gas	9,392 MW
Co-Gen	0 MW
Total System	22,365 MW

Maximum Demand Record

Date: 4/29/2024	20,028 MW
Date: 4/3/2024	423,300 MWH

Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	188
CBPS	49
EMPP	294
KLPP	70
NPRI	77
PCGP	89
SGRI	125
SKSP	49
SPGP	206
PKLG	30
Total Gas	1,226

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	20,339 MW
Spinning Reserve	963 MW
Maximum Demand	19,303 MW
Net Energy	408,386 MWH
Load Factor	88 %

Generation Mix

Type	MWh	Percentage
ST-Coal	208,411	51.03 %
ST-Gas	2,937	0.72 %
LSS	8,235	2.02 %
Hydro	12,488	3.06 %
Gas	178,116	43.61 %
Co-Gen	-1,301	-0.32 %
Total Generation	408,886	100.12 %
PLTG	-229	-0.06 %
HVDC	729	0.18 %
Interconnection	500	0.12 %
Net Energy	408,386	100.00 %

Fuel Cost

Total Cost:	98,551,402.73 RM
Cost per Unit	24.00 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	550
Hydro	347
Syncon	723
Thermal	189
Total	1,809

Total Gas Required 1,226

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	17309	16526	15905	15352	14955	14640	14856	14826	14803	16254	16992	17447	17573	17483	18054	19057	19257	18771	17611	17588	18523	18359	18000	17784

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 4:22:50 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																										
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																									
Total Solar		0	0	0	0	0	0	0	0	0	0	44	174	354	506	651	755	961	1080	1177	1262	1166	1260	1211	1096	1086	1005	721	652	493	358	272	140	49	10	0	0	0	0	0	0	0	0								
PCUF	CUFG	7	7	8	8	9	6	7	8	7	7	8	0	0	0	0	1	3	8	10	9	8	9	9	10	9	15	14	14	14	13	14	13	14	14	14	15	14	14	14	13	13	14	14	14	14	12				
PCUF	CUFK	6	5	6	6	7	6	8	6	7	6	7	6	6	8	7	7	7	6	2	5	1	2	1	1	1	1	1	1	1	2	2	2	2	7	9	18	29	29	29	30	30	30	29	30	30					
Total NEDA Co-Gen		13	12	14	14	16	12	15	14	14	13	15	6	7	6	6	8	7	7	8	9	10	15	10	10	10	10	11	10	17	15	15	15	14	16	15	16	21	24	32	43	43	42	43	44	44	43	44	42		
Total NEDA Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Generation		17396	16944	16597	16307	15974	15790	15421	15240	15041	14990	14712	14826	14968	15062	14919	14722	14876	15732	16321	16719	17062	17354	17527	17772	17676	17578	17592	17868	18183	18724	19171	19471	19436	19270	18879	18262	17653	17342	17637	18404	18556	18554	18422	18264	18133	17981	17878	17695		
ESTL	ESTL	-18	-17	-9	-31	-29	-39	-15	-15	-18	-15	-16	-28	-25	-23	-26	-13	-21	-24	-20	-24	-13	-20	-12	-26	-12	-17	-16	-20	-19	-18	-17	-25	-28	-23	-30	-26	-14	-18	-24	-21	-14	-24	-13	-18	-18	-14	-16	-15		
KHTC	BLK1	-50	-45	-48	-47	-45	-47	-46	-45	-45	-47	-45	-48	-46	-44	-45	-43	-48	-54	-59	-60	-61	-60	-64	-64	-64	-64	-68	-72	-72	-75	-68	-73	-70	-77	-56	-44	-40	-41	-42	-43	-40	-41	-41	-42	-41	-41	-38	-40		
PCUF	CUFG	0	0	0	0	0	0	0	0	0	0	0	-9	-8	-6	-8	-6	-5	-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Franchise Area		-68	-62	-57	-78	-74	-86	-61	-60	-63	-62	-61	-85	-79	-73	-79	-62	-74	-83	-74	-83	-73	-81	-72	-90	-76	-81	-84	-92	-91	-93	-85	-98	-98	-100	-86	-70	-54	-59	-66	-64	-54	-65	-54	-60	-59	-55	-54	-55		
Singapore		-10	12	-12	20	-34	26	-18	-10	-5	-1	-15	-11	6	-12	-12	-15	-27	-38	-33	-34	-31	-44	-21	-15	1	14	-1	24	12	6	0	43	55	2	-6	-9	-40	-73	-45	-50	-48	-28	-19	-31	47	1	14	10		
Thailand		32	32	29	29	31	29	29	29	31	31	29	32	29	31	29	29	31	29	31	29	32	31	29	32	29	32	29	29	29	32	32	29	29	29	31	31	31	31	31	31	31	30	31	31	30	31	29	29		
Interconnection		22	43	17	49	-2	55	11	19	26	30	14	21	36	20	17	17	2	-7	-4	-5	0	-15	11	16	30	45	28	53	41	38	32	73	84	31	25	22	-9	-41	-14	-19	-18	3	12	-1	77	32	43	39		
Total Demand		17309	16842	16526	16183	15905	15652	15352	15164	14955	14901	14640	14723	14856	14972	14826	14646	14803	15659	16254	16644	16992	17291	17447	17669	17573	17455	17483	17726	18054	18596	19057	19303	19257	19142	18771	18173	17611	17327	17588	18362	18523	18489	18359	18208	18000	17897	17784	17604		
S.Rev ST-Coal		165	189	161	184	185	213	220	180	199	189	222	228	224	226	228	171	159	191	177	161	181	170	195	171	185	191	159	174	174	188	172	175	172	147	154	147	157	119	112	147	128	141	161	137	158	188	223	147		
S.Rev CCGT-Gas		1002	986	1227	1315	1316	1216	1612	1902	2057	2126	2340	2232	2107	2034	2188	2420	2387	1727	1305	1099	828	777	660	533	658	736	866	807	535	669	405	289	193	146	473	657	1069	1331	900	240	214	221	372	469	605	495	529	580		
S.Rev ST-Gas		27	26	26	27	27	0	0	1	1	1	1	0	-35	-35	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	28	29	21	1	1	1	1	1	1	37	44	0	0		
S.Rev Co-Gen		0	0	0	0	0	0	-1	0	0	1	-1	17	17	12	18	10	10	10	0	0	1	0	-2	0	0	0	0	1	0	0	0	-1	1	0	1	0	0	0	0	0	0	0	-1	0	1	0	0	0	0	
Syncon		651	651	651	802	903	903	903	752	903	903	903	903	903	903	840	991	991	991	991	991	991	991	840	991	991	991	991	991	991	890	739	615	428	277	277	277	615	802	890	890	890	890	703	552	703	890	890	890	890	739
Hydro		507	503	393	383	343	337	319	486	360	351	365	350	351	351	350	481	350	302	302	272	285	417	299	302	344	262	345	389	508	319	298	194	495	652	335	292	213	212	203	237	317	449	341	240	228	231	231	332		
S.Reserve Total		2352	2355	2458	2711	2774	2669	3053	3321	3520	3571	3830	3730	3567	3491	3716	3951	3926	3250	2804	2552	2315	2233	2172	2026	2207	2209	2390	2290	1985	1820	1332	963	1167	1251	1607	1926	2357	2581	2126	1515	1363	1363	1578	1738	1918	1848	1873	1798		