

Availability at Daily Maximum Demand Hour

ST-Coal	8,572 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	10,142 MW
Co-Gen	0 MW
Total System	23,181 MW

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
Total Gas	0	Total	0

Alternate Fuel Usage

Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	20,100 MW
Spinning Reserve	1,143 MW
Maximum Demand	18,933 MW
Net Energy	405,342 MWH
Load Factor	89 %

Total Gas Required **0**

Generation Mix

Type	MWh	Percentage
ST-Coal	215,498	53.16 %
LSS	8,946	2.21 %
Hydro	19,006	4.69 %
Gas	161,866	39.93 %
Co-Gen	273	0.07 %
Total Generation	405,589	100.06 %

Fuel Cost

Total Cost:	99,867,269.69 RM
Cost per Unit	24.56 cents/kWH

PLTG	247	0.06 %
Interconnection	247	0.06 %
Net Energy	405,342	100.00 %

Average Spinning Reserve During Peak Hour

Type	MW
GT	669
Hydro	351
Syncon	691
Thermal	134
Total	1,845

Time	Weather	Temperature
Afternoon	Hot	34
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	17073	16300	15707	15131	14757	14455	14462	14545	14943	16399	16994	17464	17327	17339	18056	18593	18853	18707	17674	17426	18609	18593	17970	17750

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 8, 2024 7:43:10 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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 Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	1	59	214	392	565	627	887	975	1027	1113	1112	1184	1202	1107	1163	1117	1122	1064	948	758	601	411	205	54	1	0	0	0	0	0	0	0	0	0			
ESTL	ESTL	29	28	29	28	29	30	31	32	31	29	28	31	28	29	32	34	34	32	34	32	28	27	26	33	33	32	32	30	30	25	25	20	27	27	30	30	32	24	28	25	19	2	2	0	0	8				
PCUF	CUFG	3	4	3	3	21	22	21	21	22	21	23	22	21	22	16	2	3	4	2	3	4	1	3	3	3	2	3	3	3	4	2	4	3	2	3	3	4	2	2	6	4	3	2	1	3					
PCUF	CUFK	2	5	2	27	29	31	29	30	29	29	32	31	29	30	29	3	3	6	1	4	6	2	4	4	2	3	23	31	29	31	29	29	30	29	29	32	31	30	29	31	31	30	29	27	28	29	30			
PFTZ	PFTZ	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Total NEDA Co-Gen		35	38	35	59	80	83	81	84	83	80	84	85	79	82	78	40	41	42	37	39	42	31	34	33	38	39	57	66	64	64	62	58	56	54	59	58	66	65	66	58	62	59	56	36	33	31	31	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	0
Total Generation		17136	16570	16355	15988	15753	15418	15166	14907	14788	14561	14487	14389	14518	14575	14582	14671	14960	15793	16383	16720	16981	17239	17546	17652	17370	17338	17447	17747	18135	18469	18671	18841	18951	19022	18841	18309	17757	17400	17491	18137	18647	18716	18639	18357	18032	18011	17792	17647		
KHTC	BLK1	-42	-43	-43	-40	-37	-37	-36	-33	-32	-34	-33	-31	-30	-31	-31	-29	-28	-34	-40	-39	-40	-42	-45	-48	-47	-52	-55	-59	-62	-63	-68	-76	-73	-68	-64	-66	-58	-56	-53	-48	-47	-40	-38	-37	-35	-33	-32	-28		
Total Franchise Area		-42	-43	-43	-40	-37	-37	-36	-33	-32	-34	-33	-31	-30	-31	-31	-29	-28	-34	-40	-39	-40	-42	-45	-48	-47	-52	-55	-59	-62	-63	-68	-76	-73	-68	-64	-66	-58	-56	-53	-48	-47	-40	-38	-37	-35	-33	-32	-28		
Singapore		24	12	15	12	12	2	2	2	2	2	2	29	12	9	10	-7	-29	-52	-44	-49	-14	41	35	0	36	57	16	21	2	14	29	29	25	74	40	29	18	16	-25	-6	31	11	2	30	-3	13	6			
Thailand		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	
Interconnection		24	12	15	12	12	2	2	2	2	2	29	12	9	10	-7	-29	-52	-44	-49	-14	41	35	0	36	57	16	21	2	14	29	29	25	74	40	29	18	16	-25	-6	31	11	2	30	-3	13	6				
Total Demand		17073	16518	16300	15939	15707	15382	15131	14875	14757	14528	14455	14359	14462	14535	14545	14635	14943	15792	16399	16729	16994	17215	17464	17573	17327	17254	17339	17676	18056	18408	18593	18740	18853	18933	18707	18207	17674	17330	17426	18117	18609	18648	18593	18321	17970	17984	17750	17616		
SRev ST-Coal		169	140	137	144	162	201	348	355	327	324	308	308	333	332	344	352	312	174	137	130	136	125	129	145	146	149	146	143	148	150	161	152	146	149	131	57	104	104	120	68	155	100	117	86	121	76	136	110		
SRev CCGT-Gas		798	1207	1391	1556	1795	2083	2099	2344	2454	2673	2774	2870	2734	2682	2657	2614	2511	1983	1602	1447	1245	1257	1042	1089	1361	1390	1373	1103	617	397	322	229	368	172	261	275	645	793	661	203	210	174	257	384	280	186	343	406		
SRev Co-Gen		1	0	-6	1	-3	0	0	0	0	3	-1	-2	-1	0	1	-1	-1	2	0	1	0	-1	1	0	0	0	-1	0	0	0	-2	1	0	0	0	0	0	0	0	0	0	0	4	1	1	-1	0	0		
Syncon		890	1041	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129			
Hydro		324	194	137	137	136	137	137	137	137	139	138	140	137	139	137	137	137	137	137	137	137	137	137	137	137	137	137	137	136	157	172	261	346	580	822	823	705	432	434	434	611	584	453	513	366	558	429	431	261	
S.Reserve Total		2182	2582	2788	2967	3219	3550	3713	3965	4047	4268	4348	4445	4332	4282	4268	4231	4088	3424	3005	2844	2647	2647	2438	2398	2771	2803	2783	2511	2051	1848	1596	1395	1182	1143	1215	1589	2008	2158	2042	1335	1163	941	979	1238	1600	1517	1737	1755		