

Availability at Daily Maximum Demand Hour

ST-Coal	8,401 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,290 MW
Hydro	2,412 MW
Distillate	0 MW
Others	0 MW
Gas	10,142 MW
Co-Gen	0 MW
Total System	22,835 MW

Maximum Demand Record

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

Set On Bus And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	19,655 MW
Spinning Reserve	1,207 MW
Maximum Demand	18,467 MW
Net Energy	392,386 MWH
Load Factor	89 %

Gas Usage

Station	(mmscfd)
GLGR	48
SRDG	10
TJGS	176
CBPS	46
EMPP	283
KLPP	63
NPRI	69
PCGP	85
PLPS	56
SGRI	6
SKSP	25
SPGP	179
Total Gas	1,045

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	196,802	50.16 %
LSS	7,547	1.92 %
Hydro	31,828	8.11 %
Gas	155,522	39.63 %
Co-Gen	807	0.21 %
Total Generation	392,506	100.03 %
PLTG	120	0.03 %
Interconnection	120	0.03 %
Net Energy	392,386	100.00 %

Fuel Cost

Total Cost:	93,954,437.71 RM
Cost per Unit	28.33 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	768
Hydro	423
Syncon	269
Thermal	165
Total	1,625

Total Gas Required 1,045

Time Weather Temperature

Afternoon	Hot	33
Morning	Cloudy	26

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	16361	15580	14892	14481	13957	13784	14029	14201	14533	15970	16565	16929	16741	16562	17512	18133	18467	18199	17011	16967	18239	18182	17549	17221

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, February 12, 2024 11:23:11 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Tuesday

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																										
Total 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																										
ESTL	ESTL	24	30	27	28	27	28	25	21	29	30	31	30	31	20	26	20	24	19	36	35	33	28	34	24	21	15	26	16	21	28	19	27	18	25	15	18	28	28	26	15	20	24	30	22	26	29	27	29		
PCUF	CUFG	4	4	4	3	4	3	4	4	2	3	5	3	5	3	3	1	3	4	4	3	4	3	4	4	4	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	4	4	3	4	3	5	5			
PCUF	CUFK	29	29	29	29	29	29	29	29	29	30	29	30	31	28	30	28	31	31	29	28	29	29	28	29	29	28	29	28	28	29	28	30	30	30	30	30	30	30	28	30	28	30	30	29	29	29				
PFTZ	PFTZ	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15			
Total NEDA Co-Gen		72	78	75	75	75	75	73	69	75	78	80	78	82	66	74	64	73	69	84	81	81	75	82	72	68	62	73	64	68	75	65	73	65	72	64	67	77	70	67	56	58	65	69	62	67	68	68	70		
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		16420	15961	15618	15313	14929	14754	14510	14213	14002	13898	13812	13883	14033	14288	14217	14264	14543	15427	15992	16265	16606	16842	16995	17012	16765	16635	16592	17122	17517	17979	18174	18411	18501	18479	18266	17622	17084	16819	17010	17886	18298	18281	18226	17999	17591	17390	17254	16906		
KHTC	BLK1	-35	-35	-34	-33	-33	-28	-25	-24	-24	-21	-21	-20	-23	-19	-22	-24	-29	-33	-33	-32	-38	-40	-41	-43	-47	-47	-49	-56	-56	-57	-60	-56	-57	-54	-50	-48	-48	-45	-44	-45	-39	-36	-37	-38	-35	-32	-32			
Total Franchise Area		-35	-35	-34	-33	-33	-28	-25	-24	-24	-21	-21	-20	-23	-19	-22	-24	-29	-33	-33	-32	-38	-40	-41	-43	-47	-47	-49	-56	-56	-57	-60	-56	-57	-54	-50	-48	-48	-45	-44	-45	-39	-36	-37	-38	-35	-32	-32			
Singapore		27	6	7	15	7	30	7	30	24	14	10	2	-13	3	0	0	-10	-5	-7	-4	13	14	30	-7	-15	1	-13	-7	-47	-10	-12	-4	-18	-3	17	37	29	6	2	10	17	10	11	15	7	15	4	-5		
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		27	6	7	15	7	30	7	30	24	14	10	2	-13	3	0	0	-10	-5	-7	-4	13	14	30	-7	-15	1	-13	-7	-47	-10	-12	-4	-18	-3	17	37	29	6	2	10	17	10	11	15	7	15	4	-5		
Total Demand		16361	15923	15580	15268	14892	14699	14481	14162	13957	13863	13784	13863	14029	14265	14201	14245	14533	15407	15970	16240	16565	16794	16929	16982	16741	16591	16562	17084	17512	17937	18133	18359	18467	18429	18199	17539	17011	16769	16967	17835	18239	18235	18182	17950	17549	17343	17221	16882		
SRev ST-Coal		180	174	173	171	184	176	194	414	407	397	406	393	411	400	411	476	399	220	160	139	153	160	162	176	170	184	139	170	181	167	159	165	180	155	189	153	169	158	192	165	160	167	164	175	161	170	174	159		
SRev CCGT-Gas		738	762	1091	1385	1775	1958	2149	2221	2451	2587	2653	2620	2472	2174	2304	2305	2154	1595	1259	1160	964	873	962	1280	1498	1661	1786	1255	1036	800	474	542	384	463	450	738	1178	1193	897	335	359	422	471	262	794	831	664	717		
SRev OCGT-Gas		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	37	74	76	36	37	-2	77	-2	-2	37	0	0	0	
SRev Co-Gen		-1	-2	-2	1	-1	-3	-3	0	2	-1	-1	0	0	0	0	0	0	-2	2	0	-3	2	-1	0	-1	1	0	0	1	0	0	0	0	-1	0	0	0	0	0	0	0	-1	-2	0	0	0	0	-1	0	0
Syncon		338	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676		
Hydro		563	439	451	464	445	445	478	479	464	478	488	615	448	485	575	296	300	287	290	286	334	287	365	361	475	287	294	553	467	325	306	512	644	646	216	920	900	822	759	611	277	386	399	652	818	834	632	603		
S.Reserve Total		1818	2049	2389	2697	3079	3252	3494	3790	4000	4137	4222	4153	4007	3735	3815	3753	3529	2776	2387	2261	2124	1998	1977	2306	2667	2809	2895	2316	1987	1594	1241	1219	1207	1264	892	1885	2323	2209	1884	1107	873	973	1032	1126	1773	1834	1844	1853		