

Availability at Daily Maximum Demand Hour

ST-Coal	9,276 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,287 MW
Distillate	0 MW
Others	0 MW
Gas	9,762 MW
Co-Gen	0 MW
Total System	23,255 MW

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 3/26/2024	420,162 MWH

Gas Usage

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

Alternate Fuel Usage

Set On Bus And MD

Daily Maximum Demand Hour at:	21:30:00 Hour
Total Set On Bus	19,004 MW
Spinning Reserve	1,053 MW
Maximum Demand	17,921 MW
Net Energy	372,801 MWH
Load Factor	87 %

Generation Mix

Type	MWh	Percentage
ST-Coal	215,450	57.79 %
LSS	9,005	2.42 %
Hydro	13,234	3.55 %
Gas	135,786	36.42 %
Co-Gen	239	0.06 %
Total Generation	373,714	100.24 %
PLTG	276	0.07 %
HVDC	637	0.17 %
Interconnection	913	0.24 %
Net Energy	372,801	100.00 %

Fuel Cost

Total Cost:	86,677,786.61 RM
Cost per Unit	23.12 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,557
Hydro	270
Syncon	735
Thermal	267
Total	2,829

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	17250	16586	15858	15350	14854	14694	14433	13975	13082	13264	13680	14065	14190	14569	15403	15950	16228	16217	16062	16237	17331	17809	17765	17591

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

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																										
PCUF	CUFK	30	30	30	30	29	29	29	29	31	19	4	2	3	7	5	2	4	4	3	4	1	4	4	2	4	3	3	5	4	4	2	2	5	4	23	30	29	31	30	29	29	31	29	31	31	31	30	30		
	PFTZ	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	1	2	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total NEDA Co-Gen		82	80	68	75	67	68	78	67	68	56	36	32	43	36	35	41	54	46	55	47	54	50	58	49	48	52	55	50	52	51	41	38	47	41	61	71	70	78	77	65	67	78	77	83	82	81	80	79		
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		17338	16960	16630	16336	15938	15712	15467	15230	14913	14977	14772	14602	14491	14402	14065	13389	13149	13258	13286	13453	13737	13984	14129	14263	14280	14392	14698	15148	15522	15841	16073	16158	16316	16434	16347	16344	16196	16168	16344	16822	17406	17899	17920	17997	17854	17758	17668	17327		
KHTC	BLK1	-48	-46	-44	-45	-45	-46	-41	-39	-39	-41	-39	-40	-37	-43	-37	-34	-34	-40	-40	-38	-43	-48	-49	-53	-52	-53	-56	-60	-59	-62	-70	-65	-68	-69	-66	-65	-68	-67	-64	-55	-50	-50	-51	-49	-50	-45	-47	-41		
Total Franchise Area		-48	-46	-44	-45	-45	-46	-41	-39	-39	-41	-39	-40	-37	-43	-37	-34	-34	-40	-40	-38	-43	-48	-49	-53	-52	-53	-56	-60	-59	-62	-70	-65	-68	-69	-66	-65	-68	-67	-64	-55	-50	-50	-51	-49	-50	-45	-47	-41		
Singapore		12	14	-29	29	8	44	49	12	-8	23	13	5	-6	2	25	14	7	-22	-44	-40	-13	-15	-11	-17	12	29	46	7	34	26	57	42	24	49	68	29	39	16	15	-8	-2	5	32	1	11	-13	4	-23		
Thailand		31	29	31	31	30	31	30	30	31	31	29	29	30	30	31	31	30	30	30	31	31	30	30	30	30	31	31	30	0	0	0	0	0	0	0	29	30	31	31	29	30	31	31	29	31	29	29	29	31	
Interconnection		43	43	3	60	38	75	79	42	23	54	42	34	24	34	56	45	37	8	-14	-9	18	15	19	13	42	59	77	38	64	26	57	42	24	49	68	58	70	48	46	21	28	36	63	30	42	16	33	8		
Total Demand		17250	16874	16586	16234	15858	15594	15350	15152	14854	14885	14694	14531	14433	14328	13975	13313	13082	13214	13264	13428	13680	13925	14065	14201	14190	14284	14569	15054	15403	15757	15950	16055	16228	16320	16217	16225	16062	16057	16237	16749	17331	17816	17809	17921	17765	17700	17591	17281		
S.Rev ST-Coal		117	143	133	139	144	157	145	129	137	149	131	137	139	135	143	383	459	532	621	634	561	489	519	440	486	498	325	227	238	244	218	216	172	153	160	149	146	127	127	133	128	112	141	135	179	135	183	149		
S.Rev CCGT-Gas		588	523	650	645	757	675	845	1157	1391	1240	1442	1600	1720	1805	2129	2575	2879	2852	2837	2815	2811	2861	2815	2837	2851	2679	2603	2280	1856	1578	1268	1260	1082	888	966	832	978	1070	871	495	496	406	360	277	275	268	306	508		
S.Rev Co-Gen		0	0	0	0	0	0	-1	0	1	1	0	3	1	3	0	0	-1	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	0	0	-1	-1	0	0	0	0	0	0	-1	-1	0		
Syncon		651	739	978	978	978	978	978	978	1079	1079	1079	1079	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	827	978	978	978	791	313	126	126	126	313	313	464	464	
Hydro		317	218	180	191	171	262	231	161	237	199	200	202	202	204	208	208	209	206	206	158	137	205	90	206	204	157	206	198	183	162	161	159	160	160	161	290	159	159	159	243	465	502	497	515	463	569	511	458		
S.Reserve Total		1673	1623	1941	1953	2050	2072	2198	2425	2744	2668	2852	3021	3141	3125	3458	4144	4524	4568	4643	4585	4487	4535	4402	4461	4519	4311	4112	3683	3255	2962	2625	2613	2392	2178	2264	2097	2261	2334	2134	1661	1402	1146	1124	1053	1230	1284	1463	1579		