

Availability at Daily Maximum Demand Hour

ST-Coal	9,382 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,440 MW
Hydro	2,082 MW
Distillate	0 MW
Others	0 MW
Gas	9,211 MW
Co-Gen	0 MW
Total System	22,705 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	170
CBPS	44
EMPP	271
KLPP	40
NPRI	68
PCGP	87
SGRI	6
SKSP	46
SPGP	205
Total Gas	965

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	18,640 MW
Spinning Reserve	1,092 MW
Maximum Demand	17,598 MW
Net Energy	380,874 MWH
Load Factor	90 %

Generation Mix

Type	MWh	Percentage
ST-Coal	216,724	56.90 %
LSS	8,000	2.10 %
Hydro	9,952	2.61 %
Gas	146,223	38.39 %
Co-Gen	-485	-0.13 %
Total Generation	380,414	99.88 %
PLTG	-764	-0.20 %
EGAT	6	0.00 %
HVDC	298	0.08 %
Interconnection	-460	-0.12 %
Net Energy	380,874	100.00 %

Fuel Cost

Total Cost:	90,247,566.58 RM
Cost per Unit	23.64 cents/kWH

Total Gas Required 965

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,511
Hydro	216
Syncon	754
Thermal	222
Total	2,703

Time	Weather	Temperature
Afternoon	Hot	32
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	17403	16683	16070	15474	15027	14630	14542	14263	13889	14927	15545	15978	15797	15308	15736	15905	16107	16117	15904	16307	17598	17551	17183	16966

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 17, 2024 2:30:56 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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	2	44	169	322	474	518	735	898	1020	1011	1084	1133	1078	1107	1165	1054	970	783	652	549	465	387	237	124	37	0	0	0	0	0	0	0	0	0				
ESTL	ESTL	0	12	16	14	12	25	12	4	15	0	2	12	3	0	10	20	19	0	0	0	0	5	12	13	15	0	10	0	10	12	11	15	10	9	0	6	0	4	5	5	0	0	0	0	0	0	0			
PCUF	CUFG	27	28	27	25	26	27	28	27	28	27	29	27	28	28	26	28	27	27	27	26	26	25	26	25	24	25	24	28	27	27	28	28	27	27	26	27	28	26	26	26	27	27	26	27	27	27	27	27		
PCUF	CUFK	3	5	2	1	3	2	4	4	4	4	6	3	4	4	2	3	4	3	4	3	5	4	2	3	3	1	5	2	4	3	4	4	4	3	2	4	4	3	3	3	5	2	3	4	2	3	3	3		
Total NEDA Co-Gen		30	45	45	40	41	54	44	35	47	31	37	42	35	32	40	49	51	29	32	30	32	31	34	41	42	41	31	37	28	38	41	39	47	40	38	32	38	30	34	35	36	29	31	30	28	29	30	30		
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		17430	17020	16882	16452	16128	15883	15584	15327	15080	14821	14638	14574	14475	14342	13946	13925	14440	14930	15336	15584	15871	16034	16086	15832	15526	15288	15483	15693	15897	15864	15954	16071	16274	16199	15968	15917	15993	16315	17357	17606	17610	17559	17384	17197	17102	16955	16788			
ESTL	ESTL	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	
KHTC	BLK1	-51	-54	-53	-52	-53	-52	-50	-48	-49	-46	-49	-45	-45	-45	-43	-40	-43	-45	-48	-53	-56	-57	-58	-63	-57	-61	-61	-68	-69	-71	-70	-67	-71	-70	-67	-65	-65	-65	-63	-62	-61	-58	-59	-55	-55	-57	-56	-57		
Total Franchise Area		-51	-54	-53	-52	-53	-52	-50	-48	-49	-46	-49	-45	-45	-45	-43	-40	-43	-45	-48	-53	-56	-57	-58	-63	-57	-61	-61	-68	-69	-71	-70	-67	-71	-70	-67	-65	-65	-65	-63	-62	-61	-58	-59	-55	-55	-57	-56	-57		
Singapore		-51	56	119	35	-22	66	32	25	-22	-41	-68	-45	-67	-8	7	31	-34	-52	-71	-42	-15	-14	1	-24	-20	-2	-79	-81	-109	-76	-108	-135	-104	-34	18	-26	-50	-26	-52	-29	-50	-43	-48	-50	-40	-72	-64	-51		
Thailand		29	29	30	30	30	29	32	31	29	30	30	29	29	29	29	29	29	29	29	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		-21	86	149	65	8	96	63	57	7	-11	-38	-15	-37	24	39	63	-4	-23	-42	-12	-14	-14	1	-23	-19	-1	-78	-80	-109	-76	-108	-135	-104	-33	18	-25	-49	-25	-52	-29	-50	-42	-48	-49	-40	-72	-64	-50		
Total Demand		17403	16883	16683	16338	16070	15738	15474	15225	15027	14789	14630	14547	14409	14263	13846	13889	14421	14927	15298	15545	15831	15978	16049	15797	15469	15308	15498	15736	15905	15905	16025	16107	16240	16117	15931	15904	15956	16307	17327	17598	17597	17551	17371	17183	17111	16966	16784			
SRev ST-Coal		190	145	121	147	128	126	140	130	112	150	282	276	273	278	515	526	561	541	456	370	171	169	177	176	157	192	345	376	251	237	184	161	167	168	159	176	175	177	218	168	165	168	222	162	143	146	174	150		
SRev CCGT-Gas		522	689	390	419	600	712	995	1271	1551	1777	1833	1911	1939	2045	2242	2604	2562	2335	2082	1803	1966	1825	1778	1726	2072	2375	2348	2064	2056	1846	1894	1650	1393	1132	1079	1210	1115	940	510	262	247	244	233	273	364	267	378	553		
SRev Co-Gen		0	1	1	0	0	0	-1	0	-1	0	0	0	0	0	0	0	0	2	-1	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	-1	0	1	0	1	0	-2	-1	0	0		
Syncon		604	791	604	640	741	892	892	741	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892		
Hydro		309	239	340	381	303	224	216	349	215	214	215	212	207	216	214	179	181	133	296	165	300	167	168	167	168	184	187	171	172	175	171	311	171	269	169	168	171	147	152	319	251	240	223	266	380	419	441	233		
S.Reserve Total		1625	1865	1456	1587	1772	1954	2242	2491	2769	3033	3222	3291	3311	3431	3863	4201	4196	3901	3577	3229	3178	3053	3016	2962	3289	3643	3772	3503	3371	3150	3141	2863	2624	2311	2300	2446	2353	2156	1771	1265	1092	1080	1107	1217	1250	1347	1446	1540		