

Availability at Daily Maximum Demand Hour

ST-Coal	10,726 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,450 MW
Distillate	0 MW
Others	0 MW
Gas	9,492 MW
Co-Gen	0 MW
Total System	24,598 MW

Maximum Demand Record

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

Set On Bus And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	21,023 MW
Spinning Reserve	1,425 MW
Maximum Demand	19,584 MW
Net Energy	419,302 MWH
Load Factor	89 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	176
CBPS	45
EMPP	272
KLPP	2
NPRI	67
PCGP	83
SGRI	54
SKSP	48
SPGP	193
Total Gas	969

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	252,355	60.18 %
LSS	9,273	2.21 %
Hydro	12,944	3.09 %
Gas	146,116	34.85 %
Co-Gen	-590	-0.14 %
Total Generation	420,098	100.19 %
PLTG	61	0.01 %
EGAT	5	0.00 %
HVDC	730	0.17 %
Interconnection	796	0.19 %
Net Energy	419,302	100.00 %

Fuel Cost

Total Cost:	95,817,564.95 RM
Cost per Unit	22.73 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	815
Hydro	444
Syncon	731
Thermal	182
Total	2,172

Time Weather Temperature

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	17861	16934	16278	15794	15437	15259	15300	15067	15241	16655	17371	17784	17857	17796	18811	19324	19584	18989	18160	17983	18741	18956	18793	18645

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 5:30:59 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	26	147	321	505	732	785	940	1042	1132	1138	1186	1143	1173	1217	1105	1183	1066	967	895	714	542	342	165	34	4	0	0	0	0	0	0	0	0	0	0		
ESTL	ESTL	23	23	10	14	13	16	18	18	20	17	21	21	26	22	15	25	24	10	14	12	8	13	18	10	20	22	19	19	20	8	17	20	18	18	16	16	6	14	16	20	19	18	16	22	18	19	18	18		
PCUF	CUFG	6	5	5	6	6	5	5	5	6	4	5	5	6	7	4	5	5	1	4	2	8	12	12	15	16	15	16	17	18	17	18	16	18	18	18	16	18	16	17	22	22	22	22	21	22	22				
PCUF	CUFK	18	2	2	8	9	8	9	10	9	9	9	10	10	9	11	9	11	10	8	8	8	8	5	4	4	3	3	4	3	3	2	1	0	1	1	3	3	3	6	3	6	6	6	7	7	8	9	9		
Total NEDA Co-Gen		47	30	17	28	28	29	32	33	35	30	35	36	42	36	33	39	41	27	26	25	21	22	27	16	32	37	34	38	39	26	35	38	36	36	34	37	25	35	40	39	42	46	44	51	47	48	49	49		
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		17940	17520	17006	16769	16350	16143	15869	15723	15507	15425	15330	15289	15369	15430	15140	14840	15316	16203	16737	17032	17461	17704	17881	18070	17953	17847	17891	18303	18913	19355	19506	19715	19669	19617	19056	18787	18283	18178	18107	18368	18805	19149	19039	19111	18857	18853	18691	18516		
KHTC	BLK1	-48	-47	-44	-46	-44	-44	-42	-41	-43	-42	-41	-40	-42	-43	-43	-46	-54	-54	-58	-61	-68	-68	-64	-67	-69	-67	-73	-74	-81	-78	-79	-82	-82	-81	-81	-77	-75	-76	-73	-68	-61	-59	-58	-57	-56	-54	-55			
Total Franchise Area		-48	-47	-44	-46	-44	-44	-42	-41	-43	-42	-41	-40	-42	-43	-43	-46	-54	-54	-58	-61	-68	-68	-64	-67	-69	-67	-73	-74	-81	-78	-79	-82	-82	-81	-81	-77	-75	-76	-73	-68	-61	-59	-58	-57	-56	-54	-55			
Singapore		2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Thailand		31	30	30	29	29	31	31	30	30	30	30	30	30	31	31	30	30	30	30	30	31	31	31	31	30	30	31	30	32	32	29	31	32	31	32	32	32	30	29	30	31	31	31	31	31	31	29	32		
Interconnection		34	31	31	31	31	34	34	32	32	32	32	32	32	33	33	33	33	32	32	33	33	34	33	33	33	33	32	33	32	108	108	90	14	6	-1	41	54	52	51	29	-1	22	27	18	10	11	-5	16		
Total Demand		17861	17445	16934	16695	16278	16068	15794	15652	15437	15353	15259	15219	15300	15358	15067	14768	15241	16121	16655	16945	17371	17606	17784	17977	17857	17749	17796	18201	18811	19170	19324	19550	19584	19541	18989	18677	18160	18057	17983	18269	18741	19069	18956	19038	18793	18789	18645	18448		
SRev ST-Coal		186	212	179	191	193	206	208	192	186	206	199	188	177	189	330	301	175	169	190	175	184	190	176	194	197	194	184	183	187	170	187	185	183	198	184	191	201	187	198	195	190	170	166	171	297	192	189			
SRev CCGT-Gas		548	916	1441	1500	1927	2100	2347	2530	2722	2805	2894	2937	2873	2864	3091	3185	2972	2311	1964	1939	1596	1480	1413	1307	1426	1583	1497	1161	828	474	341	317	267	231	382	500	812	822	743	565	429	253	277	249	316	224	313	261		
SRev Co-Gen		3	1	-3	2	-1	0	0	1	0	2	0	0	-2	-1	-1	2	0	0	1	0	1	1	0	0	2	1	0	-2	-2	0	-1	-1	0	0	0	0	0	0	-1	0	-1	-1	1	1	1	0	0	-1		
Syncon		867	867	867	867	716	867	867	716	867	1054	1054	1054	1054	752	1054	1054	1054	1054	903	1054	903	1054	1054	1054	1054	1054	1054	1054	766	579	615	277	428	428	802	890	953	802	953	953	766	579	428	579	579	766	903	903		
Hydro		220	217	226	178	319	190	218	349	224	223	214	220	221	476	222	225	117	178	331	205	334	203	234	204	206	205	204	172	316	286	336	536	458	441	279	274	150	295	182	207	219	334	469	285	423	327	345	329		
S.Reserve Total		1998	2300	2797	2825	3241	3450	3727	3875	4092	4357	4455	4497	4421	4355	4642	4970	4618	3892	3542	3562	3183	3096	3065	2915	3056	3214	3123	2743	2178	1613	1548	1403	1425	1370	1748	1848	2280	2293	2239	2096	1782	1444	1432	1367	1577	1701	1840	1768		