

Availability at Daily Maximum Demand Hour

ST-Coal	9,790 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,287 MW
Distillate	0 MW
Others	0 MW
Gas	9,802 MW
Co-Gen	0 MW
Total System	24,059 MW

Maximum Demand Record

Date: 5/29/2024	20,045 MW
Date: 5/29/2024	423,825 MWH

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	172
CBPS	45
EMPP	294
KLPP	46
NPRI	145
PCGP	85
SGRI	44
SKSP	3
SPGP	203
Total Gas	1,066

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	20,126 MW
Spinning Reserve	1,259 MW
Maximum Demand	18,829 MW
Net Energy	413,981 MWH
Load Factor	92 %

Generation Mix

Type	MWh	Percentage
ST-Coal	230,528	55.69 %
LSS	9,178	2.22 %
Hydro	13,250	3.20 %
Gas	162,240	39.19 %
Co-Gen	-467	-0.11 %
Total Generation	414,729	100.18 %
PLTG	27	0.01 %
EGAT	5	0.00 %
HVDC	716	0.17 %
Interconnection	748	0.18 %
Net Energy	413,981	100.00 %

Fuel Cost

Total Cost:	103,031,950.47 RM
Cost per Unit	24.75 cents/kWH

Total Gas Required	1,066
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Average Spinning Reserve During Peak Hour

Type	MW
GT	642
Hydro	394
Syncon	694
Thermal	168
Total	1,898

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	17825	17062	16464	15902	15465	15164	15203	15017	15146	16653	17327	17867	17972	17732	17907	18554	18725	18588	17664	17577	18825	18770	18189	17998

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, June 20, 2024 11:23:15 AM
 (Ir. Shanmugam Thoppalan)
 Head
 Grid System Operator

Daily MW Generation on Friday

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	41	172	358	571	732	930	923	1116	1161	1158	1064	1157	1178	1169	1190	1148	1082	924	736	632	504	254	125	44	6	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	30	31	31	31	32	31	31	31	32	30	31	31	32	32	31	31	31	32	31	31	30	33	31	31	31	31	31	30	30	29	29	29	31	32	40	40	39	41	40	39	40	39	41	40	40	41			
PCUF	CUFK	15	15	14	16	18	16	17	30	18	11	10	11	12	12	12	11	8	7	8	8	7	6	7	4	6	7	6	5	5	7	8	12	12	12	13	13	13	13	12	13	14	15	13	14	14				
Total NEDA Co-Gen		45	46	45	47	50	47	48	61	50	41	41	42	44	45	43	42	43	44	43	39	38	38	41	38	37	38	35	37	38	36	35	34	36	37	43	44	52	53	52	54	53	51	53	53	56	53	54	55	
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		17983	17497	17187	16790	16514	16325	15960	15776	15578	15399	15273	15221	15259	15343	15085	14905	15195	16179	16671	17136	17351	17725	17893	18136	18013	17799	17858	17939	18140	18394	18690	18759	18818	18852	18683	18349	17855	17533	17721	18546	18900	18942	18852	18716	18272	18199	18073	17876	
ESTL	ESTL	-12	-10	-10	-14	-13	-10	-6	-10	-10	-9	-17	-21	-8	-10	0	-17	0	-2	-9	-8	-5	0	0	0	0	-18	-7	-15	-18	-15	-16	-12	-5	-20	-20	-17	-18	-24	-20	-8	-6	-20	-21	-12	-13	-5	-2	0	
KHTC	BLK1	-48	-46	-46	-45	-43	-42	-42	-41	-41	-40	-38	-39	-36	-39	-40	-44	-52	-53	-57	-58	-57	-55	-56	-61	-60	-63	-62	-63	-71	-68	-70	-68	-77	-73	-68	-67	-65	-64	-58	-57	-58	-53	-51	-50	-50	-48	-46		
Total Franchise Area		-60	-56	-56	-59	-56	-52	-48	-51	-51	-50	-57	-59	-47	-46	-39	-57	-44	-54	-62	-65	-63	-57	-55	-56	-61	-78	-70	-77	-81	-86	-84	-82	-73	-97	-93	-85	-85	-89	-84	-66	-63	-78	-74	-63	-63	-55	-50	-46	
Singapore		71	21	41	-20	-33	20	-18	42	35	68	25	8	-18	-36	3	-9	-22	16	-72	-32	-66	4	-56	-36	-47	-31	29	109	123	31	25	-24	-8	-85	-25	62	79	8	34	-83	-15	7	-19	-4	-7	-23	-1	-17	
Thailand		30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	29	29	29	30	30	32	32	30	30	30	31	31	30	30	30	30	30	29	29	30	30	30	30	30	29	29		
Interconnection		101	51	72	10	-3	51	13	72	65	98	55	38	12	-6	32	21	8	46	-41	-1	-36	33	-26	-7	-17	-3	59	139	155	63	55	6	23	-54	5	92	109	38	63	-53	15	38	11	26	23	7	28	12	
Total Demand		17825	17393	17062	16724	16464	16225	15902	15656	15465	15254	15164	15127	15203	15306	15017	14830	15146	16082	16653	17075	17327	17638	17867	18090	17972	17727	17732	17726	17907	18248	18554	18674	18725	18812	18588	18175	17664	17409	17577	18536	18825	18829	18770	18630	18189	18140	17998	17821	
SRev ST-Coal		177	182	205	252	216	169	159	176	151	156	150	154	200	177	164	170	176	174	150	162	198	204	187	177	168	179	177	170	163	162	160	173	161	168	154	157	165	145	164	167	148	163	175	161	158	165	248	175	
SRev CCGT-Gas		901	1140	1144	1254	1100	1321	1687	1882	2075	2244	2481	2498	2394	2386	2568	2769	2612	1925	1575	1254	1267	944	909	789	952	983	1012	1019	728	508	425	416	362	261	303	436	694	843	591	220	226	240	223	287	532	526	545	574	
SRev Co-Gen		0	0	0	0	1	0	1	0	0	0	-1	3	0	-3	1	0	1	1	0	0	0	0	0	1	0	0	0	-2	-1	0	0	1	3	1	0	0	-1	0	0	0	0	0	1	0	-1	-1	0	-1	
Syncon		464	464	703	804	1079	1079	1079	928	1079	928	1079	1079	1079	1100	1079	1110	1110	1079	1079	928	929	929	1079	892	1079	1079	1079	1079	978	478	478	478	239	390	426	764	764	764	302	302	489	489	577	577	426	678			
Hydro		495	293	239	325	169	181	191	327	195	342	126	138	119	128	194	204	326	234	314	315	449	234	314	243	395	287	291	233	302	289	410	523	446	558	450	485	186	327	290	173	477	554	464	400	367	187	341	253	
S.Reserve Total		2037	2079	2291	2635	2565	2750	3117	3313	3500	3670	3835	3872	3792	3767	4027	4222	4225	3444	3118	2810	2842	2311	2339	2289	2407	2528	2559	2499	2271	1937	1473	1591	1450	1227	1297	1504	1808	2079	1809	1324	1153	1259	1352	1337	1633	1454	1560	1679	