

Availability at Daily Maximum Demand Hour

ST-Coal	8,932 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,486 MW
Distillate	0 MW
Others	0 MW
Gas	8,974 MW
Co-Gen	0 MW
Total System	22,572 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	52
TJGS	92
CBPS	46
EMPP	293
KLPP	70
NPRI	144
PCGP	87
SGRI	113
SPGP	205
Total Gas	1,102

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	19,984 MW
Spinning Reserve	1,085 MW
Maximum Demand	18,947 MW
Net Energy	401,410 MWH
Load Factor	88 %

Generation Mix

Type	MWh	Percentage
ST-Coal	209,366	52.16 %
LSS	9,567	2.38 %
Hydro	16,814	4.19 %
Gas	165,641	41.26 %
Co-Gen	-377	-0.09 %
Total Generation	401,011	99.90 %
PLTG	300	0.07 %
HVDC	-699	-0.17 %
Interconnection	-399	-0.10 %
Net Energy	401,410	100.00 %

Fuel Cost

Total Cost:	102,999,546.70 RM
Cost per Unit	25.59 cents/kWH

Total Gas Required 1,102

Average Spinning Reserve During Peak Hour

Type	MW
GT	492
Hydro	363
Syncon	654
Thermal	155
Total	1,664

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	16363	15704	15071	14583	14224	14018	14311	14399	14662	16242	16902	17359	17215	16928	17771	18364	18731	18589	17628	17565	18780	18927	18275	18078

Prepared By: -Select Name-

Checked By: -Select Name-

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(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																								
PCUF	CUFK	29	30	29	29	28	29	30	28	30	30	30	28	29	29	31	29	30	29	25	26	26	25	24	22	23	21	22	22	22	22	22	24	26	27	26	26	27	29	27	29	29	28	33					
PFTZ	PFTZ	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	0	0	0	1	0	1	0	1	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Total NEDA Co-Gen		47	48	46	46	44	45	46	43	48	47	47	45	46	45	46	49	46	47	47	49	48	47	44	45	45	39	38	35	40	37	41	36	38	37	37	44	46	47	46	46	47	50	47	48	49	48	53	
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	
Total Generation		16348	15882	15573	15386	15158	14838	14623	14448	14248	14083	14050	14321	14672	14517	14259	14665	15587	16155	16514	16886	17177	17425	17606	17292	17053	16995	17505	17811	18268	18408	18566	18746	18965	18756	18297	17767	17487	17699	18496	18841	18958	18942	18644	18322	18366	18159	17789	
ESTL	ESTL	-11	-8	-4	-5	-10	0	0	0	-5	-10	-11	-13	-9	-6	0	0	0	0	-7	-6	-17	0	-20	-5	-16	-6	-17	-8	-10	-11	0	-13	-13	-9	-10	-9	-12	-3	-8	0	-7	-2	-15	-11	-12	-9	-18	-20
KHTC	BLK1	-46	-46	-38	-40	-38	-39	-35	-37	-33	-32	-34	-32	-34	-33	-37	-43	-48	-46	-48	-52	-53	-57	-63	-63	-64	-65	-64	-68	-72	-74	-80	-80	-79	-74	-67	-63	-63	-60	-57	-60	-58	-53	-55	-53	-56	-54		
Total Franchise Area		-57	-54	-42	-45	-48	-39	-35	-42	-43	-43	-47	-41	-40	-34	-33	-37	-43	-55	-52	-65	-52	-73	-62	-79	-69	-81	-73	-74	-79	-72	-87	-93	-89	-89	-83	-79	-66	-71	-60	-64	-62	-73	-64	-67	-62	-74	-74	
Singapore		-41	-84	-141	27	71	17	32	94	15	4	22	29	1	148	116	-26	-62	-69	-108	-82	-49	-26	25	66	30	-28	19	30	-1	28	4	6	-45	76	110	124	92	13	95	-19	29	-19	-26	-11	13	28	39	32
Thailand		-28	-28	-29	-29	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28
Interconnection		-69	-112	-170	-1	42	-12	4	66	-15	-26	-8	0	-28	119	87	-54	-91	-98	-139	-112	-78	-55	-4	36	1	-57	-11	0	-31	-1	-25	-24	-75	48	81	95	63	-16	66	-48	0	-48	-55	-42	-17	-1	10	4
Total Demand		16363	15943	15704	15345	15071	14815	14583	14350	14224	14069	14018	14009	14311	14516	14399	14283	14662	15645	16242	16577	16902	17183	17359	17511	17215	17044	16928	17435	17771	18193	18364	18506	18731	18831	18589	18122	17628	17440	17565	18487	18780	18947	18927	18625	18275	18308	18078	17714
SRev ST-Coal		152	150	148	151	256	227	249	244	426	418	436	401	423	428	353	339	332	151	144	162	156	158	162	146	144	155	159	156	160	150	161	148	164	155	159	166	170	158	160	152	164	142	158	167	158	167	132	171
SRev CCGT-Gas		605	644	1008	1154	1274	1407	1607	1697	1723	1900	1976	2084	1893	1640	1788	1940	1874	1398	1287	1066	934	677	581	495	600	877	837	589	228	378	467	242	406	260	249	269	593	635	474	263	265	184	224	337	474	487	412	558
SRev Co-Gen		0	2	-3	0	0	1	4	1	0	0	-3	2	1	0	0	-1	0	1	1	-2	3	-1	-1	0	0	0	0	0	1	0	0	4	0	0	2	-1	1	0	0	0	1	0	-1	0	-2	1	0	
Syncon		1041	1142	1142	1142	1142	1142	991	991	991	890	1041	1041	1041	1041	1041	1041	1041	1041	1041	1041	890	1041	890	890	1142	1142	1142	1142	1142	667	516	516	88	88	88	239	764	1016	829	667	428	428	428	516	604	791	791	978
Hydro		219	175	217	255	256	201	195	333	330	322	263	135	136	135	136	171	145	149	146	158	293	184	288	331	223	256	282	165	267	301	291	292	632	704	724	535	344	295	443	194	336	323	350	435	542	290	390	243
S.Reserve Total		2017	2113	2512	2702	2928	2978	3197	3266	3470	3631	3562	3663	3494	3244	3318	3490	3392	2740	2619	2425	2276	2059	1920	1862	2109	2430	2420	2059	1804	1504	1442	1205	1301	1214	1227	1218	1877	2112	1913	1283	1200	1085	1167	1461	1785	1740	1733	1957