

Availability at Daily Maximum Demand Hour

ST-Coal	10,540 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,189 MW
Distillate	0 MW
Others	0 MW
Gas	8,722 MW
Co-Gen	0 MW
Total System	23,631 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	21,007 MW
Spinning Reserve	964 MW
Maximum Demand	19,836 MW
Net Energy	418,976 MWH
Load Factor	88 %

Gas Usage

Station	(mmscfd)
GLGR	45
TJGS	179
CBPS	47
EMPP	281
KLPP	71
NPRI	76
PCGP	84
SGRI	113
SPGP	103
Total Gas	1,000

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	247,315	59.03 %
LSS	9,152	2.18 %
Hydro	16,401	3.91 %
Gas	148,338	35.40 %
Co-Gen	-816	-0.19 %
Total Generation	420,390	100.34 %
PLTG	-43	-0.01 %
HVDC	1,457	0.35 %
Interconnection	1,414	0.34 %
Net Energy	418,976	100.00 %

Fuel Cost

Total Cost:	107,454,137.84 RM
Cost per Unit	25.47 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	551
Hydro	290
Syncon	537
Thermal	194
Total	1,572

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	17335	16543	15946	15475	15091	14902	15087	14788	15214	16767	17560	18117	18082	17927	18746	19470	19836	19275	18075	18145	19297	19283	18848	18388

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 17, 2024 3:08:12 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Tuesday

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																									
ESTL	ESTL	1	12	0	0	5	12	14	13	6	10	0	10	10	26	16	14	21	19	12	13	11	20	17	17	0	13	10	12	15	17	14	0	10	12	15	12	16	18	17	15	9	12	12	18	17	16	12		
PCUF	CUFG	16	16	15	15	15	16	15	13	12	12	11	23	21	22	16	18	22	21	22	14	13	12	12	13	13	11	13	12	12	14	11	12	13	16	14	15	16	15	15	16	16	16	15	14	16	15	16		
PCUF	CUFK	3	2	3	2	3	5	3	3	3	1	2	2	4	4	4	5	3	1	4	3	3	3	4	3	2	1	3	2	2	5	1	1	3	4	1	3	3	2	5	3	2	4	2	2	3	4			
Total NEDA Co-Gen		20	30	18	17	23	33	32	29	21	25	12	35	24	36	46	38	41	45	42	30	29	26	35	34	33	13	27	25	26	29	36	26	13	26	32	30	30	35	35	37	34	27	30	31	34	35	34	32	
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	
Total Generation		17379	17084	16628	16394	16049	15875	15607	15379	15193	14972	14974	14928	15184	15346	14868	14845	15288	16204	16802	17177	17600	17972	18243	18420	18274	18135	18103	18574	18974	19513	19681	19874	20126	19913	19563	18878	18228	17942	18252	19133	19348	19488	19423	19309	18992	18775	18500	18080	
KHTC	BLK1	-57	-58	-58	-55	-54	-54	-56	-52	-52	-50	-49	-50	-50	-49	-51	-54	-58	-63	-67	-68	-75	-78	-76	-75	-76	-75	-75	-83	-82	-84	-85	-85	-83	-81	-75	-74	-62	-63	-58	-59	-58	-55	-55	-55	-59	-56	-55		
PFTZ	PFTZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	0	0	-1	0	0	-1	-1	-1	-1	-3	-3	-3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
Total Franchise Area		-57	-58	-58	-55	-54	-54	-56	-52	-52	-50	-49	-50	-50	-49	-51	-54	-58	-63	-67	-68	-76	-79	-77	-76	-76	-75	-76	-83	-82	-85	-86	-86	-84	-84	-78	-77	-63	-64	-59	-60	-59	-56	-56	-56	-60	-57	-56		
Singapore		-69	-23	-30	-23	-9	43	18	14	-8	-25	-35	11	-10	14	-28	-27	-38	-86	-85	-128	-86	-89	-11	-24	58	29	44	61	87	74	68	76	146	2	146	77	18	-33	-14	-68	-67	-7	26	-41	31	-3	-2	-59	
Thailand		60	61	60	60	61	62	61	62	61	59	60	62	60	61	62	61	61	60	60	62	61	60	61	61	61	60	60	62	61	60	60	62	61	61	61	61	61	60	60	62	61	62	62	59	60	59	60	60	
Interconnection		-10	38	30	37	52	104	79	76	53	34	25	73	50	76	34	34	23	-26	-25	-66	-25	-29	50	37	119	88	104	123	148	133	129	138	207	62	207	139	79	27	46	-6	-6	55	87	18	91	57	58	1	
Total Demand		17335	16991	16543	16305	15946	15720	15475	15254	15091	14889	14902	14809	15087	15223	14788	14763	15214	16175	16767	17179	17560	17928	18117	18309	18082	17974	17927	18378	18746	19301	19470	19653	19836	19770	19275	18664	18075	17855	18145	19083	19297	19377	19283	19238	18848	18661	18388	18026	
SRev ST-Coal		184	192	186	195	201	193	182	186	334	327	327	350	320	327	320	447	259	229	214	190	203	199	193	181	199	203	201	187	231	205	191	200	212	194	225	195	213	190	170	172	170	173	167	171	172	171	174	170	
SRev CCGT-Gas		1310	1186	1163	1084	1318	1510	1788	2007	2039	2265	2295	2320	2246	2150	2557	2487	2430	1853	1455	1385	1118	830	700	654	839	889	1100	754	460	483	426	310	330	206	252	231	656	845	508	226	218	221	208	182	205	266	555	580	
SRev Co-Gen		-1	1	0	0	0	0	0	0	0	0	0	2	0	0	-1	0	0	1	0	-2	3	2	1	3	0	0	2	0	0	1	2	2	2	6	6	6	2	4	2	3	2	2	2	2	2	2	1	2	
Syncon		791	640	791	791	892	892	892	892	892	892	741	892	791	640	791	791	791	791	791	791	791	791	791	791	791	791	640	791	791	640	516	428	428	428	277	428	516	978	1079	1079	978	516	277	277	277	703	890	739	739
Hydro		257	388	195	250	260	260	260	262	260	266	221	393	179	219	460	273	222	181	181	181	180	180	223	179	319	176	175	309	281	138	150	190	143	325	431	308	256	218	297	361	542	389	476	613	396	217	350	333	
S.Reserve Total		2541	2407	2335	2320	2671	2855	3122	3347	3525	3750	3735	3804	3639	3487	3977	3997	3702	3054	2642	2547	2290	2003	1909	1806	2000	2059	2267	1892	1488	1254	1196	1130	964	1155	1430	1718	2210	2334	1957	1277	1210	1062	1130	1245	1478	1546	1819	1824	