

Availability at Daily Maximum Demand Hour

ST-Coal	10,932 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,247 MW
Distillate	0 MW
Others	0 MW
Gas	8,674 MW
Co-Gen	0 MW
Total System	24,033 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	47
CBPS	40
EMPP	235
NPRI	162
PCGP	89
SPGP	207
Total Gas	810
Total Gas Required	810

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	21:30:00 Hour
Total Set On Bus	18,606 MW
Spinning Reserve	1,460 MW
Maximum Demand	17,125 MW
Net Energy	345,483 MWH
Load Factor	84 %

Generation Mix

Type	MWh	Percentage
ST-Coal	199,585	57.77 %
LSS	8,957	2.59 %
Hydro	11,503	3.33 %
Gas	126,616	36.65 %
Co-Gen	-376	-0.11 %
Total Generation	346,285	100.23 %
PLTG	78	0.02 %
EGAT	6	0.00 %
HVDC	718	0.21 %
Interconnection	802	0.23 %
Net Energy	345,483	100.00 %

Fuel Cost

Total Cost:	81,681,864.12 RM
Cost per Unit	23.51 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	430
Hydro	330
Syncon	754
Thermal	644
Total	2,158

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	15376	14786	14188	13736	13287	13118	13113	12862	12131	12607	13113	13553	13617	13679	14099	14374	14683	14846	14740	15321	16933	17103	16958	16662

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, June 27, 2024 9:34:57 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

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	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								
PCUF	CUFG	21	20	20	22	21	20	22	20	19	20	21	21	20	21	20	21	22	20	20	22	20	21	20	21	19	20	21	19	20	20	21	21	22	20	21	20	19	21	21	21	21	19	20					
PCUF	CUFK	12	14	13	14	14	13	13	13	15	14	15	14	12	13	12	15	16	15	13	11	9	9	7	7	5	5	6	5	4	3	6	5	5	6	6	7	8	8	9	7	8	8	9	8	8			
Total NEDA Co-Gen		33	34	33	36	35	33	35	33	34	34	36	35	33	33	36	37	34	34	31	30	31	27	27	27	25	27	25	28	25	23	27	24	23	25	26	27	28	27	29	28	28	28	29	29	30	27	28	
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		
Total Generation		15476	15122	14830	14500	14261	14050	13775	13569	13398	13201	13148	13144	13153	13227	12949	12406	12184	12492	12648	12946	13171	13527	13642	13678	13699	13686	13723	13999	14105	14331	14408	14801	14842	14986	14947	14808	14870	15058	15453	16502	17039	17181	17261	17201	16986	16888	16736	16364
ESTL	ESTL	-18	-16	-10	-16	-11	0	-2	0	-19	-10	-9	-8	-13	0	0	0	0	0	0	0	0	0	-2	0	0	-11	-14	-2	-2	-2	0	0	0	0	-1	0	0	-9	-8	0	-14	-16	-12	-8	0	0	0	
KHTC	BLK1	-40	-39	-39	-32	-33	-34	-36	-34	-33	-33	-30	-30	-29	-30	-28	-27	-28	-34	-32	-33	-35	-38	-44	-45	-40	-41	-41	-44	-43	-48	-50	-52	-53	-51	-52	-54	-53	-53	-51	-52	-50	-47	-47	-46	-45	-47	-42	-42
Total Franchise Area		-58	-55	-49	-48	-44	-34	-38	-34	-52	-43	-39	-38	-42	-30	-28	-27	-28	-34	-32	-33	-35	-38	-44	-47	-40	-41	-52	-58	-45	-50	-52	-52	-53	-51	-52	-55	-53	-53	-60	-60	-50	-61	-63	-58	-53	-47	-42	-42
Singapore		15	-53	-32	12	4	4	-26	30	31	1	-36	-28	-29	-39	32	-34	-2	-10	-18	23	-5	18	18	-72	14	28	-35	-8	-66	-84	-44	57	80	52	22	-1	51	121	44	23	28	44	68	-11	-53	9	5	9
Thailand		30	30	30	29	29	30	30	31	31	30	30	31	31	30	30	30	30	30	31	31	30	30	30	31	31	30	30	29	29	29	29	30	30	29	29	31	31	31	31	31	29	30	32	32	30	29	32	
Interconnection		45	-23	-2	40	32	34	4	61	62	31	-6	2	1	-9	62	-4	28	20	12	54	26	48	48	-42	45	59	-5	22	-36	-55	-15	86	109	83	52	28	80	152	75	54	59	73	98	21	-22	39	35	41
Total Demand		15376	15093	14786	14415	14188	13985	13736	13477	13287	13130	13118	13107	13113	13209	12862	12386	12131	12441	12607	12862	13113	13444	13553	13676	13617	13589	13679	13922	14099	14339	14374	14666	14683	14855	14846	14728	14740	14856	15321	16391	16933	17050	17103	17125	16958	16805	16662	16284
SRev ST-Coal		434	425	645	653	734	751	841	832	845	879	856	872	878	866	875	901	885	886	887	896	883	908	898	893	1032	1020	898	963	878	837	719	657	659	547	557	513	532	523	425	266	139	160	174	166	224	204	206	270
SRev CCGT-Gas		519	466	375	464	413	554	390	521	617	535	506	428	412	357	568	1037	1403	1310	1330	1269	366	449	455	529	636	641	650	600	783	469	702	407	396	597	521	606	373	316	321	312	276	135	51	84	80	119	197	299
SRev Co-Gen		1	0	0	0	0	0	-2	2	0	0	0	0	-1	1	2	-1	-1	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	-2	1	0	0	1	0	-2	0	0	0	0	0	
Syncon		928	928	928	928	928	928	827	827	827	827	827	827	827	827	827	827	827	827	827	827	640	827	827	928	928	928	928	928	928	928	928	928	741	928	928	928	928	778	928	552	365	365	365	365	739	739	739	827
Hydro		229	191	105	190	189	192	106	118	121	118	257	115	109	107	159	155	153	113	114	229	217	259	171	180	312	173	171	193	191	197	227	175	266	217	202	213	181	180	212	298	603	597	571	845	422	502	414	243
S.Reserve Total		2111	2010	2053	2235	2264	2425	2162	2300	2410	2359	2295	2242	2225	2158	2431	2919	3267	3136	3158	3036	2293	2443	2452	2532	2757	2759	2647	2686	2780	2431	2576	2167	2062	2289	2209	2260	2012	1798	1886	1428	1384	1257	1159	1460	1465	1564	1556	1639