

Availability at Daily Maximum Demand Hour

ST-Coal	8,882 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,387 MW
Distillate	0 MW
Others	0 MW
Gas	8,672 MW
Co-Gen	0 MW
Total System	21,871 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	198
CBPS	51
EMPP	304
KLPP	77
NPRI	80
PCGP	73
SGRI	123
SKSP	53
SPGP	104
Total Gas	1,109

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	20,262 MW
Spinning Reserve	1,012 MW
Maximum Demand	19,227 MW
Net Energy	407,562 MWH
Load Factor	88 %

Generation Mix

Type	MWh	Percentage
ST-Coal	213,318	52.34 %
LSS	7,468	1.83 %
Hydro	23,974	5.88 %
Gas	163,864	40.21 %
Co-Gen	-345	-0.08 %
Total Generation	408,279	100.18 %
PLTG	-1	0.00 %
HVDC	718	0.18 %
Interconnection	717	0.18 %
Net Energy	407,562	100.00 %

Fuel Cost

Total Cost:	97,820,318.36 RM
Cost per Unit	23.89 cents/kWH

Total Gas Required	1,109
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Average Spinning Reserve During Peak Hour

Type	MW
GT	492
Hydro	429
Syncon	272
Thermal	170
Total	1,363

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	17225	16470	15862	15293	14855	14673	14864	14608	14900	16426	17149	17741	17593	17623	18436	19079	19227	18528	17309	17308	18298	18331	17830	17531

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 5:00:44 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																										
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	57	178	385	539	692	925	885	851	972	950	1055	998	1002	980	981	883	724	604	462	276	241	170	98	24	5	1	0	0	0	0	0	0	0	0	0	0	
ESTL	ESTL	0	3	15	16	12	7	8	0	0	0	3	0	13	14	18	12	4	14	16	12	6	8	21	12	19	18	11	0	15	0	8	5	0	15	21	18	10	14	16	16	0	9	4	20	12	16	15	2		
PCUF	CUFG	20	21	21	20	21	20	21	20	20	19	21	20	21	22	21	21	19	19	18	20	19	19	19	19	19	18	22	22	21	21	20	20	20	20	21	22	20	22	21	22	21	21	21	22	22	22	22	22		
PCUF	CUFK	4	4	3	4	4	4	5	4	3	3	5	3	4	5	4	5	4	2	4	3	3	3	3	4	2	3	1	2	2	2	2	3	2	3	3	2	4	5	4	5	3	4	4	3	6	5	6	8	7	
Total NEDA Co-Gen		24	28	39	40	37	31	34	24	23	22	29	23	38	41	43	38	29	35	39	33	29	30	43	35	40	40	30	24	39	23	32	27	23	38	43	43	37	38	43	40	26	34	28	47	39	44	45	31		
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		17264	16915	16584	16201	15952	15613	15365	15120	14933	14861	14728	14787	14922	15052	14659	14452	14956	15897	16474	16883	17221	17602	17845	17914	17700	17705	17706	18143	18567	18938	19202	19287	19312	19179	18613	17971	17375	17179	17366	18217	18372	18500	18407	18212	17897	17775	17573	17203		
KHTC	BLK1	-44	-41	-39	-38	-37	-36	-37	-36	-36	-36	-35	-35	-34	-32	-31	-38	-42	-46	-46	-49	-52	-56	-63	-68	-69	-68	-68	-81	-82	-71	-66	-65	-59	-54	-50	-50	-52	-49	-48	-46	-45	-47	-46	-46	-44	-41	-40			
Total Franchise Area		-44	-41	-39	-38	-37	-36	-37	-36	-36	-36	-35	-35	-34	-32	-31	-38	-42	-46	-46	-49	-52	-56	-63	-68	-69	-68	-68	-81	-82	-71	-66	-65	-59	-54	-50	-50	-52	-49	-48	-46	-45	-47	-46	-46	-44	-41	-40			
Singapore		-32	62	48	11	25	-3	8	23	14	22	-10	12	-3	8	-7	-24	-7	-11	-26	-17	-5	3	23	17	13	2	-11	-26	22	5	24	6	-6	-28	5	-14	-9	-6	-19	5	2	3	3	-10	-6	-32	-27	-33		
Thailand		29	29	29	29	32	29	29	29	31	29	31	29	29	29	29	29	31	29	32	29	29	29	29	29	31	29	31	31	32	31	29	29	31	29	29	30	28	31	29	30	31	29	29	30	31	29	30	31	31	30
Interconnection		-2	91	78	40	56	26	38	52	45	51	22	41	26	38	22	6	22	19	6	13	27	32	52	46	42	33	18	6	53	37	55	35	23	3	35	15	20	23	12	35	31	34	32	19	24	-1	4	-4		
Total Demand		17225	16786	16470	16126	15862	15554	15293	15035	14855	14777	14673	14714	14864	14983	14608	14419	14900	15840	16426	16828	17149	17522	17741	17808	17593	17606	17623	18072	18436	18822	19079	19189	19227	19120	18528	17910	17309	17108	17308	18137	18298	18424	18331	18150	17830	17735	17531	17170		
SRev ST-Coal		194	179	254	226	180	214	164	180	196	167	155	160	193	177	151	158	190	196	170	145	142	180	167	163	174	192	182	171	182	169	184	200	202	205	148	165	129	179	131	104	115	174	147	174	200	124	131	104		
SRev CCGT-Gas		393	662	441	394	576	870	1175	1497	1688	1786	1918	1868	1697	1588	2041	2253	1865	1130	464	398	335	460	379	444	529	627	606	663	717	540	426	380	408	448	565	517	800	893	634	497	496	406	493	675	786	934	920	835		
SRev Co-Gen		0	0	0	-1	-1	-1	0	0	0	0	0	2	0	0	-1	1	0	0	1	-1	0	-1	0	-1	0	0	0	0	0	1	0	0	-1	0	0	0	0	0	1	0	0	-2	1	0	1	1	1	0		
Syncon		1041	1041	1041	991	1142	1142	1142	1142	991	991	1142	991	1142	991	1142	890	739	401	313	500	500	500	500	313	313	126	126	0	0	0	0	500	500	500	500	126	126	0	0	0	0	0	0	0	0	0	0	374		
Hydro		192	95	81	315	274	278	270	272	402	404	273	404	271	269	388	277	392	373	215	60	168	260	332	347	538	522	485	670	637	628	499	506	402	365	640	403	675	657	768	683	585	495	522	487	481	443	477	352		
S.Reserve Total		1820	1977	1817	1925	2171	2503	2751	3091	3277	3348	3488	3423	3305	3176	3571	3829	3439	2690	1991	1494	1383	1301	1190	1454	1740	1840	1773	1817	1849	1463	1235	1087	1012	1018	1352	1585	2104	2229	2034	1410	1322	1073	1163	1336	1468	1502	1529	1665		