

Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,436 MW
Distillate	0 MW
Others	0 MW
Gas	8,557 MW
Co-Gen	0 MW
Total System	23,495 MW
Total System w/o solar	21,905 MW

Maximum Demand Record

Date: 7/25/2024	20,066 MW
Date: 7/25/2024	428,610 MWH

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	3
TJGS	160
EMPP	276
KLPP	52
NPRI	132
PCGP	89
SGRI	89
SPGP	101
Total Gas	932

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	20,271 MW
Spinning Reserve	1,255 MW
Maximum Demand	18,982 MW
Net Energy	389,518 MWH
Load Factor	86 %
Operating Reserve	2,923 MW

Total Gas Required 932

Generation Mix

Type	MWh	Percentage
ST-Coal	232,944	59.80 %
LSS	10,595	2.72 %
Hydro	11,849	3.04 %
Gas	138,432	35.54 %
Co-Gen	-2,984	-0.77 %
Total Generation	390,836	100.34 %
PLTG	596	0.15 %
HVDC	722	0.19 %
Interconnection	1,318	0.34 %
Net Energy	389,518	100.00 %

Fuel Cost

Total Cost:	95,095,922.89 RM
Cost per Unit	24.11 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	693
Hydro	333
Syncon	679
Thermal	174
Total	1,879

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	15121	14440	13920	13483	13214	13034	13501	13765	14257	15840	16526	16896	16762	16500	17385	18007	18377	18350	17553	17514	18914	18902	18357	17983

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 11, 2024
10:37:48 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

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 Distillate		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 Solar		0	0	0	0	0	0	0	0	0	0	31	142	311	544	738	918	1133	1233	1318	1356	1397	1310	1292	1282	1324	1187	1205	1157	1044	883	686	413	221	75	5	1	0	0	0	0	0	0	0	0					
PCUF	CUFG	4	4	4	4	3	5	4	4	3	4	5	3	2	3	4	3	4	3	4	4	2	4	3	4	4	3	4	2	2	4	4	4	4	4	4	4	4	4	4	4	3	2	3	2	1	3	3		
PCUF	CUFK	13	12	12	13	13	14	13	13	13	12	14	13	12	12	13	13	11	12	10	8	7	6	6	6	6	4	6	13	22	23	23	23	25	24	24	23	27	26	25	24	24	23	25	25	18	18	12		
PFTZ	PFTZ	2	4	2	4	2	2	2	2	4	4	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	4	2	2	2	2	2	2	2	2	2				
Total NEDA Co-Gen		19	20	18	21	18	21	19	19	20	20	21	19	18	18	14	14	14	13	14	14	10	14	20	30	30	31	31	31	30	32	31	33	32	31	32	29	27	30	29	21	23	17							
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		15253	14901	14616	14269	14069	13834	13633	13462	13344	13227	13147	13206	13711	13966	13887	13842	14437	15397	15966	16358	16641	16990	17105	17150	16961	16843	16833	17299	17620	18177	18270	18433	18670	18875	18625	18208	17877	17565	17782	18495	19111	19172	19168	18917	18534	18480	18195	17813	
ESTL	ESTL	-41	-40	-39	-25	-28	-32	-25	-30	-17	-28	-27	-28	-30	-30	-20	-19	-22	-27	-28	-26	-30	-26	-31	-31	-34	-38	-30	-28	-25	-26	-25	-29	-30	-39	-35	-26	-30	-23	-34	-37	-38	-38	-46	-32	-36	-30	-32	-29	
KHTC	BLK1	-105	-103	-102	-101	-101	-101	-101	-100	-99	-98	-97	-98	-101	-103	-105	-107	-111	-118	-116	-119	-114	-115	-112	-117	-123	-121	-122	-125	-127	-131	-134	-136	-136	-138	-133	-161	-141	-127	-125	-125	-125	-121	-118	-115	-112	-113	-114	-113	
Total Franchise Area		-146	-143	-141	-126	-129	-133	-126	-130	-116	-126	-124	-126	-131	-133	-125	-126	-133	-145	-144	-145	-144	-141	-143	-148	-157	-159	-152	-153	-152	-157	-159	-165	-166	-177	-168	-187	-171	-150	-159	-162	-163	-159	-164	-147	-148	-143	-146	-142	
Singapore		-40	37	10	-41	-8	-1	-4	-7	-14	44	-38	-31	51	28	-29	0	20	43	-44	-63	-57	1	39	49	16	-1	153	102	56	132	78	9	101	139	79	28	126	35	83	12	7	4	75	-2	3	-7	39	-15	
Thailand		29	31	28	31	31	30	31	29	31	31	31	31	29	29	31	31	30	30	30	30	30	30	30	30	30	30	31	31	29	29	29	29	31	31	31	31	29	29	30	30	30	29	29	31	31	29			
Interconnection		-11	68	38	-10	23	29	27	22	17	76	-8	0	82	57	0	30	50	72	-15	-32	-26	31	69	78	45	29	184	133	86	161	107	38	130	169	110	58	156	64	112	42	37	34	105	27	32	23	69	14	
Total Demand		15121	14693	14440	14156	13920	13675	13483	13313	13214	13028	13034	13083	13501	13779	13765	13689	14257	15183	15840	16248	16526	16821	16896	16927	16762	16658	16500	17016	17385	17862	18007	18233	18377	18532	18350	17966	17553	17354	17514	18294	18914	18982	18902	18746	18357	18317	17983	17660	
SRev ST-Coal		264	248	406	608	664	669	701	702	774	697	789	776	773	781	708	694	530	269	165	140	174	169	156	164	152	168	176	183	179	184	195	172	193	171	198	173	171	205	217	164	200	162	170	195	184	181	183	213	
SRev OCGT-Gas		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	46	3	2	36	0	0	0	
SRev CCGT-Gas		1327	1598	1779	1858	1854	1948	1975	1957	1845	1966	1945	1906	1512	1252	1716	1910	1984	1680	1473	1301	1156	1043	1043	1054	1414	1559	1710	1228	941	429	244	285	342	279	357	250	467	640	304	389	626	349	287	163	299	388	524	518	
SRev Co-Gen		0	0	0	-2	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
Syncon		890	890	890	840	991	840	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991
Hydro		182	180	182	301	170	307	176	176	203	175	176	168	171	305	175	303	192	180	190	193	197	181	330	199	199	197	191	186	152	154	285	375	473	340	449	402	444	429	483	466	315	698	797	412	397	267	317	152	
S.Reserve Total		2663	2916	3257	3605	3679	3764	3843	3826	3813	3829	3901	3841	3447	3178	3591	3747	3697	3120	2818	2627	2518	2384	2369	2408	2756	2915	3067	2588	2262	1758	1528	1384	1436	1218	1305	1529	1784	2163	1894	1448	1142	1255	1257	1511	1806	1726	1763	1773	