

Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	1,886 MW
Distillate	0 MW
Others	0 MW
Gas	8,305 MW
Co-Gen	0 MW
Total System	22,693 MW
Total System w/o solar	21,103 MW

Maximum Demand Record

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

Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,784 MW
Spinning Reserve	975 MW
Maximum Demand	18,727 MW
Net Energy	401,720 MWH
Load Factor	89 %
Operating Reserve	2,909 MW

Gas Usage

Station	(mmscfd)
SRDG	1
TJGS	159
EMPP	259
KLPP	44
NPRI	30
PCGP	79
PGLA	91
SGRI	29
SKSP	54
SPGP	186
Total Gas	934

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	237,510	59.12 %
LSS	8,094	2.01 %
Hydro	17,395	4.33 %
Gas	138,626	34.51 %
Co-Gen	860	0.21 %
Total Generation	402,485	100.19 %
PLTG	125	0.03 %
EGAT	5	0.00 %
HVDC	635	0.16 %
Interconnection	765	0.19 %
Net Energy	401,720	100.00 %

Fuel Cost

Total Cost:	96,647,188.29 RM
Cost per Unit	24.00 cents/kWH

Total Gas Required 934

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,058
Hydro	621
Syncon	140
Thermal	186
Total	2,005

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	16775	15919	15405	14857	14455	14300	14564	14500	14906	16487	17194	17608	17580	17367	18177	18279	18625	18387	17411	17781	18181	18010	17438	16988

Prepared By: -Select Name-

Checked By: -Select Name-

(Ir. Shanmugam Thoppalan)
Printed on: Wednesday, October 16, 2024 10:07:33 Head
AM
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																														
Total Hydro		703	660	560	361	359	294	297	363	359	321	295	240	423	616	405	342	326	492	552	523	677	789	765	777	673	651	624	754	854	863	756	929	1080	1316	1027	774	748	797	1520	1596	1189	1191	1192	1196	1182	852	638	645						
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	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 Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	86	269	554	742	952	915	908	1013	1181	1071	1050	1017	995	841	900	858	800	710	533	379	272	129	28	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	13	18	18	21	20	23	24	24	13	12	14	21	13	26	26	25	26	25	22	22	22	22	15	20	20	22	21	18	21	18	14	20	24	22	18	20	23	13	22	23	10	12	13	8	11	12	9							
KHTC	BLK1	0	0	0	0	0	0	7	2	3	3	3	2	1	1	7	3	3	2	4	1	2	3	4	3	1	5	4	1	5	2	3	5	2	1	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
PCUF	CUFG	21	23	22	22	23	22	23	24	22	23	22	22	22	23	20	17	18	17	17	15	17	16	15	9	8	7	9	14	16	9	7	8	7	7	8	8	7	7	9	8	8	11	9	10	9	7	6	7						
PCUF	CUFK	13	14	12	13	14	15	16	14	14	15	13	15	16	16	16	15	16	16	13	12	10	7	8	7	6	6	5	5	7	7	6	6	6	5	6	7	7	8	7	6	7	8	9	10	10	9	11	11	13					
Total NEDA Co-Gen		47	55	52	56	57	60	70	64	52	53	52	60	52	66	69	60	63	57	55	48	48	49	48	33	35	37	40	43	46	38	34	33	34	38	43	35	35	37	28	37	39	30	31	33	26	29	29	29						
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	0	0		
Total Generation		16859	16404	16016	15708	15436	15290	14939	14774	14533	14402	14386	14431	14608	14937	14352	14462	14864	15840	16392	16663	17135	17614	17738	17949	17591	17402	17199	17688	18252	18356	18281	18537	18681	18806	18478	17970	17530	17380	17845	18375	18231	18271	18082	17888	17537	17310	17062	16719						
KHTC	BLK1	-70	-66	-70	-30	-16	-15	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 Franchise Area		-70	-66	-70	-30	-16	-15	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		
Singapore		16	10	30	44	18	87	55	36	51	-20	58	45	19	46	-173	-41	-67	4	-121	-94	-85	22	103	84	-17	-68	-194	-49	46	-141	-24	31	29	52	64	79	68	44	15	-16	8	29	32	-19	59	51	38	6						
Thailand		0	0	0	0	0	30	30	30	31	30	31	31	28	30	28	29	28	29	29	28	29	29	30	29	31	29	29	30	31	29	29	29	30	29	29	28	32	31	31	31	29	30	29	31	31	29	29	29	30					
Interconnection		17	10	30	44	18	117	85	67	81	11	89	76	47	77	-145	-12	-39	33	-92	-65	-56	51	133	113	14	-39	-165	-19	78	-113	5	60	59	82	94	107	100	74	47	15	37	60	61	11	90	79	67	36						
Total Demand		16775	16331	15919	15637	15405	15161	14857	14710	14455	14394	14300	14358	14564	14863	14500	14477	14906	15810	16487	16731	17194	17566	17608	17839	17580	17444	17367	17710	18177	18472	18279	18480	18625	18727	18387	17866	17411	17291	17781	18346	18181	18200	18010	17867	17438	17223	16988	16677						
SRev ST-Coal		196	199	212	204	198	196	239	436	498	509	502	495	501	511	474	458	417	236	163	206	196	190	204	191	195	202	204	207	215	192	197	172	182	174	197	196	179	211	224	170	197	160	163	173	183	200	184	170						
SRev CCGT-Gas		1708	1940	1862	2158	2612	2698	3019	2954	3081	3075	3177	3096	3091	2951	2765	2760	2811	2461	2228	2088	1723	1356	1298	1265	1483	1624	1768	1387	764	793	710	593	535	397	407	624	912	1010	702	713	464	524	943	1163	1310	1150	1230	1136						
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	0	0	0	0	0	0	0	0	0	0	0		
SRev Co-Gen		0	-1	0	-1	0	-1	0	0	0	-2	-1	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		313	313	313	502	502	590	590	590	590	691	590	691	603	416	416	376	603	515	515	515	389	288	288	288	288	288	288	288	101	0	0	0	0	0	0	0	0	189	189	189	0	0	0	0	0	0	0	0	0	0	0	0		
Hydro		854	786	786	361	363	340	337	382	386	323	350	304	209	203	414	517	354	276	303	332	454	593	617	605	709	731	758	653	740	807	939	766	440	404	693	707	733	834	350	274	681	679	678	674	688	716	704	697						
S.Reserve Total		3071	3237	3173	3224	3675	3823	4185	4362	4555	4596	4618	4586	4404	4080	4069	4111	4185	3489	3207	3142	2762	2427	2407	2349	2675	2844	3018	2535	1820	1792	1845	1530	1159	975	1295	1716	2011	2242	1274	1156	1380	1400	1784	2011	2179	2341	2494	2379						