

Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	0 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,385 MW
Distillate	0 MW
Others	0 MW
Gas	7,862 MW
Co-Gen	0 MW
Total System	22,159 MW
Total System w/o solar	20,569 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:	21:30:00 Hour
Total Set On Bus	18,419 MW
Spinning Reserve	876 MW
Maximum Demand	17,528 MW
Net Energy	349,559 MWH
Load Factor	83 %
Operating Reserve	3,041 MW

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	9
TJGS	163
EMPP	309
NPRI	124
PCGP	81
Total Gas	716
Total Gas Required	716

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	215,703	61.71 %
LSS	9,619	2.75 %
Hydro	15,745	4.50 %
Gas	108,995	31.18 %
Co-Gen	-646	-0.18 %
Total Generation	349,416	99.96 %
PLTG	551	0.16 %
HVDC	-694	-0.20 %
Interconnection	-143	-0.04 %
Net Energy	349,559	100.00 %

Fuel Cost

Total Cost:	78,315,325.89 RM
Cost per Unit	22.32 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	740
Hydro	293
Syncon	778
Thermal	524
Total	2,335

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	15464	14844	14336	13826	13360	13069	13079	12865	12237	12519	12985	13503	13695	13731	14262	14602	14966	15205	15197	15822	17331	17525	17351	17171

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 20, 2024 2:38:00 PM

(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																										
PCUF	CUFG	10	10	10	10	8	8	10	11	9	10	11	10	10	10	9	9	9	10	9	9	10	9	9	9	9	9	9	10	9	9	10	9	9	10	9	10	10	9	10	9										
PCUF	CUFK	12	12	12	7	8	8	7	8	8	8	8	8	8	12	13	13	13	12	10	10	9	8	8	7	8	7	6	6	5	5	5	5	5	6	7	8	9	8	7	9	10	12	12	11	12					
PFTZ	PFTZ	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4							
Total NEDA Co-Gen		39	39	35	30	31	40	41	37	30	32	29	37	40	43	40	48	40	39	37	33	23	23	32	37	31	30	21	26	19	23	24	32	23	33	20	26	19	21	29	43	37	38	24	42	46	47	44	44		
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	
Total Generation		15494	15222	14862	14611	14344	14157	13910	13686	13409	13271	13115	13042	13075	13085	12853	12392	12226	12338	12436	12553	12974	13322	13463	13579	13763	13681	13775	14077	14359	14607	14655	14958	15063	15359	15376	15291	15337	15365	15886	16948	17379	17578	17630	17603	17483	17454	17258	17006		
KHTC	BLK1	-55	-54	-54	-52	-51	-56	-52	-50	-51	-50	-49	-48	-49	-50	-50	-47	-50	-51	-56	-57	-60	-61	-64	-65	-67	-69	-67	-69	-75	-69	-72	-71	-73	-68	-74	-67	-67	-66	-66	-66	-65	-65	-64	-63	-63	-61	-59	-60		
Total Franchise Area		-55	-54	-54	-52	-51	-56	-52	-50	-51	-50	-49	-48	-49	-50	-50	-47	-50	-51	-56	-57	-60	-61	-64	-65	-67	-69	-67	-69	-75	-69	-72	-71	-73	-68	-74	-67	-67	-66	-66	-66	-65	-65	-64	-63	-63	-61	-59	-60		
Singapore		6	-52	-5	19	-10	71	64	44	30	41	30	19	-23	65	-31	23	-29	-47	-108	-52	-38	-45	-72	1	34	22	9	-16	54	72	13	77	56	99	128	20	104	25	30	-20	16	50	73	44	100	73	59	80		
Thailand		-28	-30	-28	-30	-30	-29	-29	-29	-29	-28	-28	-28	-28	-29	-29	-28	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-28	-28	-30	-30	-29	-30	-29	-30	-29	-29	-28	-28	-28	-29		
Interconnection		-22	-83	-33	-11	-40	41	35	15	1	11	0	-8	-50	37	-59	-6	-58	-75	-136	-81	-68	-74	-101	-29	4	-7	-20	-46	25	43	-16	48	27	70	100	-8	76	-4	1	-49	-14	21	44	15	72	45	31	51		
Total Demand		15464	15254	14844	14573	14336	14063	13826	13624	13360	13213	13069	13005	13079	13001	12865	12354	12237	12365	12519	12580	12985	13338	13503	13546	13695	13622	13731	14057	14262	14498	14602	14842	14966	15224	15205	15235	15197	15306	15822	16934	17331	17495	17525	17528	17351	17351	17171	16898		
SRev ST-Coal		264	275	393	511	709	657	718	719	710	726	789	799	795	780	803	880	857	835	823	833	849	844	857	677	678	666	682	676	669	669	669	671	488	342	354	368	345	258	188	190	210	234	173	192	184	195	196	183		
SRev CCGT-Gas		360	566	577	995	608	707	714	746	770	829	814	825	807	798	896	1057	1141	1245	1362	1470	1205	994	920	1476	1380	1360	1285	1096	852	670	816	548	521	475	277	533	566	539	315	183	175	177	174	174	208	171	223	172		
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	4	4	2	2	3	3	74	0
SRev Co-Gen		-1	0	-2	0	0	0	0	0	0	0	1	1	0	-2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	-1	0	-1	0	-1	0	-1	0	0	2	0	0	0	0	1	0
Syncon		953	953	1104	978	978	978	978	978	978	978	978	978	827	978	978	978	1205	1205	1205	1205	1205	1205	1205	1117	966	1117	966	1117	1117	1117	1218	1218	1218	1218	1218	1218	1218	1218	1016	277	0	0	0	0	187	187	187	338		
Hydro		396	272	168	110	60	111	168	169	197	140	140	139	243	111	143	273	178	178	178	180	205	205	166	206	207	339	201	318	175	167	176	183	162	176	169	172	172	157	460	573	545	447	482	508	418	450	519	546		
S.Reserve Total		1972	2066	2240	2594	2355	2453	2578	2612	2655	2673	2722	2742	2672	2665	2820	3188	3381	3463	3567	3688	3464	3248	3148	3564	3383	3332	3285	3056	2813	2623	2778	2519	2389	2210	2018	2290	2301	2171	1979	1222	934	864	831	876	1000	1006	1200	1239		