

Availability at Daily Maximum Demand Hour

ST-Coal	10,423 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,640 MW
Hydro	1,997 MW
Distillate	0 MW
Others	0 MW
Gas	9,714 MW
Co-Gen	0 MW
Total System	24,364 MW
Total System w/o solar	22,724 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
TJGS	71
CBPS	20
EMPP	237
KLPP	38
NPRI	114
PCGP	77
PGLA	88
SGRI	2
SKSP	43
SPGP	182
Total Gas	871

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	19:30:00 Hour
Total Set On Bus	20,537 MW
Spinning Reserve	1,818 MW
Maximum Demand	18,834 MW
Net Energy	398,673 MWH
Load Factor	88 %
Operating Reserve	3,890 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	241,385	60.55 %
LSS	9,161	2.30 %
Hydro	14,320	3.59 %
Gas	132,362	33.20 %
Co-Gen	883	0.22 %
Total Generation	398,111	99.86 %
PLTG	128	0.03 %
EGAT	6	0.00 %
HVDC	-696	-0.17 %
Interconnection	-562	-0.14 %
Net Energy	398,673	100.00 %

Fuel Cost

Total Cost:	94,151,809.77 RM
Cost per Unit	23.64 cents/kWH

Total Gas Required 871

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,781
Hydro	192
Syncon	622
Thermal	188
Total	2,783

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	16566	15855	15294	14748	14412	14228	14521	14472	14722	16121	16710	17124	17154	16583	17125	17989	18378	18269	17531	18027	18727	18267	17802	17363

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 16, 2024 9:24:08 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

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																													
UJLI	HYDR	168	1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	97	197	196	188	87	92	-2	-2	-2																				
Total Hydro		1010	626	623	380	378	476	383	374	362	344	343	364	356	368	360	345	354	319	387	370	373	512	562	516	480	436	328	498	488	516	497	520	496	683	649	679	700	692	961	1259	1234	1205	982	996	916	874	877	846					
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	57	196	419	569	708	927	901	1013	1136	1135	1331	1269	1214	1306	1174	1136	1006	872	670	593	365	236	102	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	9	9	0	8	0	0	0	7	0	13	14	11	8	0	13	9	12	10	0	0	0	5	5	0	0	10	14	13	9	6	10							
KHTC	BLK1	20	21	21	23	6	7	3	5	4	4	5	7	6	5	6	3	7	9	5	6	5	2	1	4	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			
PCUF	CUFG	11	11	10	11	11	12	12	11	11	12	11	11	10	12	11	11	12	11	12	13	12	12	13	13	13	12	10	12	13	12	12	15	13	14	15	15	15	13	16	16	17	15	16	16	18								
PCUF	CUFK	21	20	20	19	19	19	19	20	20	19	20	20	21	21	21	20	20	21	19	19	18	17	15	15	16	13	13	13	12	13	15	17	18	20	20	22	20	22	21	22	21	20	22	21	20	21	20	21	21				
Total NEDA Co-Gen		52	52	51	53	36	38	34	35	35	36	35	38	36	36	38	38	48	49	46	37	43	32	31	31	36	29	39	40	36	30	25	41	38	42	45	33	36	35	43	44	41	45	51	61	54	51	51	56					
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		16561	16222	15925	15584	15282	14998	14779	14583	14434	14292	14238	14276	14485	14672	14426	14305	14612	15517	16068	16523	16740	16999	17125	17269	17182	16933	16507	16770	17123	17654	18011	18177	18410	18572	18166	17826	17539	17302	17923	18716	18664	18578	18261	18077	17779	17597	17336	17087					
ESTL	ESTL	-23	-31	-16	-30	-22	-9	-11	-2	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		
KHTC	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PFTZ	PFTZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Franchise Area		-23	-31	-16	-30	-22	-9	-11	-2	0	0	0	-2	0	0	0	0	0	0	-1	0	0	0	0	-2	0	-4	0	-4	-4	-6	-4	-7	-4	-7	-4	-7	-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Singapore		4	24	85	44	-2	-31	52	36	53	37	41	18	-4	49	-14	6	-79	-70	-22	33	61	7	33	26	60	-10	-44	-59	29	111	50	-20	59	-7	-76	-24	33	-29	-72	-86	-32	-5	26	9	9	-37	5	-22					
Thailand		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
Interconnection		-25	-5	57	15	-31	-60	23	7	25	9	13	-11	-33	20	-43	-23	-107	-99	-51	4	33	-22	4	-3	31	-39	-73	-87	1	82	21	-49	30	-36	-105	-53	4	-58	-101	-115	-60	-34	-3	-20	-20	-66	-24	-51					
Total Demand		16566	16199	15855	15542	15294	15052	14748	14577	14412	14286	14228	14288	14521	14655	14472	14331	14722	15619	16121	16522	16710	17024	17124	17275	17154	16973	16583	16856	17125	17571	17989	18223	18378	18603	18269	17874	17531	17362	18027	18834	18727	18615	18267	18100	17802	17666	17363	17141					
S.Rev ST-Coal		222	184	215	192	355	454	453	442	510	519	516	527	484	576	586	496	496	250	153	161	174	215	219	239	226	192	158	183	173	195	169	185	154	195	163	183	151	180	191	169	171	162	186	186	263	211	209	209					
S.Rev CCGT-Gas		2058	2051	2313	2220	2330	2635	2756	2957	2939	2888	2906	2897	2743	2576	2806	3060	2938	2627	2454	2104	2102	2044	2075	2020	2088	2639	3059	3087	2897	2234	1856	1568	1105	1091	1621	1931	2225	2300	1634	1161	1206	1253	1344	1552	1240	1429	1695	1918					
S.Rev Co-Gen		0	0	-1	2	0	0	0	0	0	0	0	0	0	1	0	0	1	1	2	-1	0	0	0	0	1	-2	1	0	2	0	0	2	3	1	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0			
Syncon		490	765	952	852	852	852	852	701	852	852	701	852	852	852	852	852	852	852	852	852	764	613	764	764	613	852	764	764	764	764	764	764	525	525	525	525	525	338	0	151	151	338	338	525	525	525	525						
Hydro		522	482	298	291	293	295	288	297	436	303	304	434	291	303	311	302	293	178	110	127	124	98	199	69	105	300	169	87	97	69	88	65	89	241	275	345	324	332	448	488	362	391	427	413	306	348	345	376					
S.Reserve Total		3292	3482	3777	3557	3830	4236	4349	4548	4586	4562	4578	4559	4370	4308	4555	4710	4580	3908	3571	3243	3252	3121	3106	3092	3183	3745	4236	4122	3931	3264	2877	2582	2114	2055	2585	2986	3227	3339	2611	1818	1890	1957	2295	2489	2334	2513	2775	3028					