

Availability at Daily Maximum Demand Hour

ST-Coal	8,887 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,640 MW
Hydro	2,112 MW
Distillate	0 MW
Others	0 MW
Gas	8,994 MW
Co-Gen	0 MW
Total System	22,223 MW
Total System w/o solar	20,583 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:	19:30:00 Hour
Total Set On Bus	19,382 MW
Spinning Reserve	1,286 MW
Maximum Demand	18,110 MW
Net Energy	392,706 MWH
Load Factor	90 %
Operating Reserve	2,474 MW

Gas Usage

Station	(mmscfd)
TJGS	76
CBPS	41
EMPP	277
KLPP	44
NPRI	132
PCGP	83
PGLA	93
SGRI	65
SKSP	44
SPGP	95
Total Gas	951

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	209,821	53.43 %
LSS	7,243	1.84 %
Hydro	18,088	4.61 %
Gas	155,935	39.71 %
Co-Gen	1,275	0.32 %
Total Generation	392,362	99.91 %
PLTG	-294	-0.07 %
HVDC	-50	-0.01 %
Interconnection	-344	-0.09 %
Net Energy	392,706	100.00 %

Fuel Cost

Total Cost:	97,134,634.52 RM
Cost per Unit	24.75 cents/kWH

Total Gas Required 951

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,026
Hydro	476
Syncon	436
Thermal	151
Total	2,089

Time	Weather	Temperature
Afternoon	Thunder St	29
Morning	Rainy	25

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	16328	15618	15019	14549	14296	14107	14389	14420	14984	16452	17022	17488	17234	16749	17174	17541	17797	17594	16808	17430	18051	17783	17139	16530

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 16, 2024 9:07:32 AM

(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 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	6	8	6	7	4	8	11	19	13	12	10	0	17	0	13	9	10	10	7	11	10	15	12	12
KHTC	BLK1	16	14	16	14	15	16	19	17	18	15	17	18	20	4	5	3	4	2	2	0	7	8	1	4
PCUF	CUFG	19	18	18	18	19	18	20	18	19	19	22	23	23	24	25	26	23	25	25	24	25	25	24	28
PCUF	CUFK	21	22	21	21	21	21	22	21	22	20	20	21	20	21	22	21	19	18	16	16	17	17	14	13
Total NEDA Co-Gen		62	62	61	60	59	63	71	76	71	68	67	60	79	63	62	61	60	56	52	54	50	64	62	51
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
Total Generation		16203	15854	15587	15115	14960	14807	14565	14434	14264	14167	14050	14169	14358	14643	14414	14337	14953	15858	16403	16683	16925	17207	17465	
KHTC	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0
Total Franchise Area		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0
Singapore		-92	-21	1	-25	-26	17	49	44	-1	-15	-25	-32	0	-5	27	-18	1	19	-17	-38	-66	4	9	
Thailand		-30	-30	-29	-29	-30	-30	-30	-29	-29	-30	-30	-28	-29	-29	-29	-29	-29	-29	-29	-30	-30	29	31	31
Interconnection		-122	-51	-28	-54	-56	-13	19	14	-29	-44	-54	-61	-28	-33	-3	-47	-28	-10	-46	-67	-95	-25	-20	
Total Demand		16328	15908	15618	15172	15019	14823	14549	14423	14296	14214	14107	14233	14389	14679	14420	14387	14984	15871	16452	16753	17022	17235	17488	
SRev ST-Coal		179	150	177	151	143	143	242	278	326	329	328	321	354	359	319	309	308	182	149	132	137	135	152	
SRev CCGT-Gas		1639	1890	2128	2628	2350	2282	2334	2647	2896	2958	3012	2972	2905	2918	3028	2947	2538	2001	1699	1516	1245	1089	1180	
SRev Co-Gen		0	0	1	0	0	0	0	0	0	0	2	-1	0	0	0	0	0	2	0	0	0	0	0	1
Syncon		789	789	790	790	789	790	977	825	977	976	826	790	638	512	613	927	801	801	801	800	650	927	801	
Hydro		314	316	316	313	304	303	215	349	228	260	473	429	446	443	502	294	246	245	254	270	435	263	373	
S.Reserve Total		2921	3145	3412	3882	3586	3518	3768	4099	4427	4523	4641	4511	4343	4232	4462	4477	3893	3231	2903	2718	2467	2414	2506	