

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,362 MW
Distillate	0 MW
Total TNB	2,362 MW
Total IPP	16,781 MW
Total Co-Gen	0 MW
Total System	22,990 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,772	5.62 %
Gas	42,326	12.03 %
Total TNB	62,098	17.65 %
ST-Coal	201,398	57.24 %
LSS	5,098	1.45 %
Gas	84,574	24.04 %
Total IPP	291,070	82.72 %
Co-Gen	-1,503	-0.43 %
Total Co-Gen	-1,503	-0.43 %
Total Generation	351,665	99.95 %
PLTG	-193	-0.05 %
Interconnection	-193	-0.05 %
Net Energy	351,858	100.00 %

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	19:30:00 Hour
Total Set On Bus	17,623 MW
TNB Generation	3,924 MW
IPP Generation	12,620 MW
Spinning Reserve	1,126 MW
Maximum Demand	16,484 MW
Net Energy	351,858 MWH
Load Factor	88.94 %

Fuel Cost

Total Cost:	80,539,353.46 RM
Cost per Unit	22.76 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	836
Hydro	278
Syncon	830
Thermal	228
Total	2,172

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Rainy	26

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	30	Total	0
TJGS	53		
Total TNB	83		
CBPS	44		
EMPP	272		
NPRI	137		
PCGP	88		
PLPS	1		
SPGP	196		
Total IPP	737		
Total Gas	820		
Total Gas Required	820		

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	15613	14800	14332	13816	13466	13203	13271	13078	12513	13555	14221	14619	14542	14433	14858	15408	15553	15424	15302	16051	16383	16100	15772	15459

Prepared By: -Select Name-

Checked By: -Select Name-

(Ir. Shanmugam Thoppalan)
Printed on: Wednesday, December 6, 2023 6:22:27 Head
PM Grid System Operator

Daily MW Generation on Saturday

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
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TBLS	LSS2	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 LSS		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	0	-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KHTC	BLK1	-92	-93	-92	-92	-94	-92	-92	-91	-93	-87	-88	-87	-87	-85	-83	-84	-85	-88	-90	-91	-93	-90	-91	
PCUF	CUFG	4	4	4	6	6	4	4	5	4	5	4	5	5	4	3	4	5	3	3	3	3	4	4	
PCUF	CUFK	3	4	2	5	4	2	3	2	3	1	3	3	2	2	2	4	0	3	3	0	1	2	3	
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	
Total Co-Gen		-81	-91	-82	-77	-80	-82	-81	-81	-80	-83	-76	-76	-76	-73	-71	-78	-78	-80	-84	-92	-80	-81	-84	
Total Gen		15603	15212	14783	14512	14307	14026	13790	13486	13433	13230	13186	13220	13261	13217	13066	12560	12511	13002	13543	13878	14196	14486	14607	
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TIE-HVDC		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TIE-PLTG		-10	-44	-17	-50	-25	-1	-26	-23	-33	-20	-17	-18	-10	-17	-12	16	-2	-29	-12	-19	-25	7		
Interconnection		-10	-44	-17	-50	-25	-1	-26	-23	-33	-20	-17	-18	-10	-17	-12	16	-2	-29	-12	-19	-25	7		
System Total		15613	15256	14800	14562	14332	14027	13816	13509	13466	13250	13203	13238	13271	13234	13078	12544	12513	13031	13555	13897	14221	14479	14619	
SRev ST-Coal		105	104	118	188	182	181	183	194	182	176	184	183	186	170	284	373	416	418	351	299	306	276	242	
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	
SRev CCGT-Gas		1205	1196	1232	952	922	1201	1443	1733	1797	2010	2048	2036	1989	2034	2018	2410	2200	1724	1374	1239	1066	992	1031	
SRev ST-Gas		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		-2	3	0	0	0	0	0	1	2	0	1	0	-1	1	0	0	0	0	0	0	0	0	0	
Syncon		588	890	890	1041	1041	1041	1041	1041	1041	1041	890	978	1041	1041	890	1142	1142	1230	1142	1142	991	991	1230	
Hydro		350	222	256	109	121	120	115	118	118	113	118	248	249	118	117	256	114	113	108	100	106	64	64	
S.Reserve Total		2246	2415	2496	2290	2266	2543	2782	3086	3139	3342	3391	3445	3402	3449	3548	4016	3959	3484	3063	2867	2707	2560	2567	