

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,360 MW
Distillate	0 MW
Total TNB	2,360 MW
Total IPP	18,651 MW
Total Co-Gen	0 MW
Total System	25,013 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,347	4.27 %
Gas	62,093	19.88 %
Total TNB	75,440	24.15 %
ST-Coal	142,373	45.58 %
LSS	2,374	0.76 %
Gas	90,723	29.05 %
Total IPP	235,470	75.39 %
Co-Gen	824	0.26 %
Total Co-Gen	824	0.26 %
Total Generation	311,734	99.81 %
PLTG	101	0.03 %
HVDC	-695	-0.22 %
Interconnection	-594	-0.19 %
Net Energy	312,328	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	00:00:00 Hour
Total Set On Bus	17,164 MW
TNB Generation	3,577 MW
IPP Generation	10,874 MW
Spinning Reserve	2,676 MW
Maximum Demand	14,500 MW
Net Energy	312,328 MWH
Load Factor	89.75 %

Fuel Cost

Total Cost:	91,316,812.22 RM
Cost per Unit	29.29 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,041
Hydro	677
Syncon	816
Thermal	1,032
Total	3,566

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	158
Total TNB	208
CBPS	44
EMPP	302
NPRI	134
PCGP	89
SPGP	209
Total IPP	778
Total Gas	985
Total Gas Required	985

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	14500	13879	13392	12869	12479	12248	12292	12213	11781	12209	12809	13088	12867	12588	12649	12814	12820	12859	12892	13358	14308	14131	13726	13538

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																												
ESTL	ESTL	15	13	17	21	17	17	17	17	20	15	13	12	14	15	17	21	20	19	21	17	14	13	0	0	18	15	14	19	17	16	16	16	16	16	16	15	13	15	12	14	12	18	18	17	17	16	17	18	9			
KHTC	BLK1	5	4	2	2	2	3	4	3	3	6	2	3	4	2	1	4	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2		
PCUF	CUFG	6	5	5	5	5	4	5	4	4	4	4	4	5	4	6	5	6	4	17	16	15	11	9	8	6	8	5	7	7	6	6	7	5	6	6	4	6	6	4	5	5	4	4	4	4	5	5	5	5	5	5	5
PCUF	CUFK	6	5	4	4	6	6	7	5	6	6	6	5	4	6	5	6	8	7	3	5	4	6	5	5	5	4	5	6	6	6	6	6	6	5	5	6	5	6	8	6	5	6	5	5	5	5	5	5	5	6	6	6
PFTZ	PFTZ	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Total Co-Gen		37	32	33	37	35	35	38	34	38	36	29	28	34	31	38	41	39	35	51	44	43	37	21	21	36	34	31	39	37	35	35	36	34	34	34	34	30	33	33	31	30	37	35	32	32	30	34	36	26			
Total Gen		14496	14230	13885	13555	13385	13070	12798	12617	12443	12393	12244	12219	12278	12292	12169	11965	11739	11952	12170	12445	12772	13016	13053	13061	12878	12712	12591	12580	12574	12675	12763	12809	12790	12898	12899	12857	12848	12925	13374	14169	14298	14150	14123	13989	13779	13677	13530	13343				
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	0	0	0	0	0	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		-28	-29	-29	-28	-28	-30	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-28	-28	-28	-28	-28	-29	-29	-30	-30			
TIE-PLTG		16	70	27	4	13	37	-50	3	-14	-8	18	-5	6	20	-23	-15	-21	-28	-18	-7	-16	-14	-13	12	32	51	24	-37	-54	-58	-30	-16	-9	58	61	-15	-15	17	44	9	18	-3	20	46	81	7	20	-43				
Interconnection		-12	41	-2	-25	-15	7	-79	-27	-44	-38	-12	-34	-22	-9	-52	-44	-50	-57	-47	-36	-45	-43	-43	-17	3	22	-5	-66	-83	-86	-59	-46	-38	29	32	-44	-44	-11	16	-19	-10	-31	-8	18	53	-22	-8	-73				
System Total		14508	14189	13887	13580	13400	13063	12877	12644	12487	12431	12256	12253	12300	12301	12221	12009	11789	12009	12217	12481	12817	13059	13096	13078	12875	12690	12596	12646	12657	12761	12822	12855	12828	12869	12867	12901	12892	12936	13358	14188	14308	14181	14131	13971	13726	13699	13538	13416				
SRev ST-Coal		788	1090	1083	1101	1080	1094	1047	1050	1044	1055	1062	1050	1048	1051	1048	1055	1113	1069	1021	1039	1058	1049	1015	1021	1030	1024	1022	1035	1036	1031	1040	1037	1025	1034	1038	1029	1036	1039	1035	1033	1024	1041	1019	1043	1037	1025	1038	1029				
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	
SRev CCGT-Gas		349	257	576	764	822	989	1221	1238	1420	1450	1596	1633	1600	1554	1697	1892	2087	1864	1685	1531	1299	1018	935	936	1244	1348	1400	1474	1403	1402	1300	1248	1231	1160	1031	1030	977	896	446	170	259	256	261	206	394	501	600	643				
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	0	0	0	0	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 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	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		840	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928			
Hydro		699	642	643	554	631	632	616	630	627	629	629	624	758	629	623	628	623	626	628	668	568	589	673	654	656	786	656	640	597	579	593	592	589	576	627	623	614	774	900	860	691	828	857	845	861	774	808	630				
S.Reserve Total		2676	2917	3230	3347	3461	3643	3812	3846	4019	4062	4215	4235	4183	4162	4296	4503	4751	4487	4262	4078	3853	3584	3551	3547	3858	3935	4006	4077	3964	3940	3861	3805	3773	3698	3624	3610	3555	3450	2971	2516	2427	2578	2590	2734	2932	3041	3187	3043				