

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	19,391 MW
Total Co-Gen	0 MW
Total System	25,753 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,586	5.51 %
Gas	43,543	15.40 %
Total TNB	59,129	20.91 %
ST-Coal	138,346	48.91 %
LSS	3,559	1.26 %
Gas	81,564	28.84 %
Total IPP	223,469	79.01 %
Co-Gen	681	0.24 %
Total Co-Gen	681	0.24 %
Total Generation	283,279	100.16 %
PLTG	-224	-0.08 %
HVDC	665	0.24 %
Interconnection	441	0.16 %
Net Energy	282,838	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:	20:00:00 Hour
Total Set On Bus	16,197 MW
TNB Generation	3,232 MW
IPP Generation	10,202 MW
Spinning Reserve	2,735 MW
Maximum Demand	13,457 MW
Net Energy	282,838 MWH
Load Factor	87.57 %

Fuel Cost

Total Cost:	81,200,544.23 RM
Cost per Unit	28.66 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,587
Hydro	966
Syncon	481
Thermal	1,069
Total	4,103

Time Weather Temperature

Afternoon	Rainy	28
Morning	Rainy	24

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	12276	11875	11395	11131	10710	10665	10784	10750	10598	11097	11591	11869	11835	11720	11878	11886	11974	11937	11964	12557	13457	13254	12777	12466

Prepared By: -Select Name-

Checked By: -Select Name-

(Ir. Shanmugam Thoppalan)
Printed on: Tuesday, February 7, 2023 8:14:55 AM 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 Gen		12271	11994	11788	11631	11390	11293	11122	10945	10754	10739	10688	10659	10782	10878	10786	10726	10661	10942	11158	11461	11683	11922	11958	12051	11926	11881	11787	11824	11906	11832	11886	11891	11987	11950	11924	11881	11974	12100	12553	13359	13462	13379	13241	13089	12798	12667	12498	12283			
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	
TIE-HVDC		30	30	30	30	30	30	31	31	29	29	29	29	30	30	1	0	0	0	31	31	30	30	31	31	30	30	29	29	30	30	31	31	30	30	30	30	30	30	30	31	29	32	31	31	31	31	31	31	31	31	31
TIE-PLTG		-35	-73	-117	-39	-36	-46	-38	-29	13	-16	-6	-28	-31	5	6	3	63	55	61	24	61	51	59	79	60	4	38	-3	-1	-13	-29	-16	-18	-25	-44	-35	-20	-28	-35	-43	-24	-26	-44	-33	-11	-34	0	-53			
Interconnection		-5	-43	-87	-9	-5	-16	-9	1	44	13	23	1	-2	35	36	4	63	55	61	55	92	81	89	109	91	33	67	27	28	17	0	15	13	5	-13	-5	10	2	-4	-11	5	5	-13	-2	21	-3	32	-22			
System Total		12276	12037	11875	11640	11395	11309	11131	10944	10710	10726	10665	10658	10784	10843	10750	10722	10598	10887	11097	11406	11591	11841	11869	11942	11835	11848	11720	11797	11878	11815	11886	11876	11974	11945	11937	11886	11964	12098	12557	13370	13457	13374	13254	13091	12777	12670	12466	12305			
SRev ST-Coal		1211	1212	1211	1214	1212	1212	1210	1212	1213	1212	1204	1209	1210	1201	1213	1217	1207	1203	1132	1127	1132	1071	1058	1055	1057	1052	1057	1054	1051	1058	1068	1051	1055	1057	1059	1052	1056	1050	1052	1057	1049	1062	1064	1059	1057	1055	1057	1056			
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	
SRev CCGT-Gas		651	714	759	855	1074	1135	1360	1486	1891	1961	2017	2051	1944	1834	1922	1983	2057	2175	2241	2130	1911	1932	1882	1916	1990	2014	2116	2052	1997	2044	1925	1881	1771	1688	1589	1614	1479	1301	822	389	416	491	636	775	943	1086	1241	965			
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	
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	
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		640	640	739	827	840	928	928	928	928	928	928	928	777	928	928	928	840	752	601	414	502	502	502	590	590	590	590	590	502	502	590	502	590	502	590	590	590	502	590	502	590	302	302	302	214	302	453	453	365	739	
Hydro		849	853	719	668	587	625	568	626	627	624	626	628	756	625	626	625	626	819	920	1009	951	958	905	905	908	905	907	905	908	903	906	941	969	970	969	966	966	964	947	967	968	965	964	969	941	928	950	718			
S.Reserve Total		3351	3419	3515	3564	3800	3900	4066	4252	4659	4725	4775	4816	4687	4588	4689	4753	4817	4949	4894	4680	4496	4463	4434	4466	4545	4561	4670	4601	4545	4594	4489	4462	4385	4305	4207	4221	4091	3904	3411	2715	2735	2820	2965	3105	3394	3522	3700	3565			