

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,173 MW
Distillate	0 MW
Total TNB	2,173 MW
Total IPP	16,873 MW
Total Co-Gen	0 MW
Total System	22,120 MW

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	105
Total TNB	134
NPRI	80
PGLA	101
PLPS	59
Total IPP	240
Total Gas	374
Total Gas Required	374

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	00:00:00 Hour
Total Set On Bus	16,215 MW
TNB Generation	2,271 MW
IPP Generation	12,249 MW
Spinning Reserve	1,674 MW
Maximum Demand	14,562 MW
Net Energy	312,102 MWH
Load Factor	89.30 %

Generation Mix

Type	MWh	Percentage
Hydro	14,150	4.53 %
Gas	25,387	8.13 %
Total TNB	39,537	12.67 %
ST-Coal	201,911	64.69 %
LSS	2,507	0.80 %
Gas	66,527	21.32 %
Total IPP	270,945	86.81 %
Co-Gen	1,052	0.34 %
Total Co-Gen	1,052	0.34 %
Total Generation	311,534	99.82 %
PLTG	124	0.04 %
HVDC	-692	-0.22 %
Interconnection	-568	-0.18 %
Net Energy	312,102	100.00 %

Fuel Cost

Total Cost:	48,844,439.65 RM
Cost per Unit	15.67 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	166
Hydro	220
Syncon	564
Thermal	644
Total	1,594

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	31
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	14562	13942	13434	12965	12481	12095	11929	11818	11470	11812	12224	12609	12667	12689	12935	13142	13088	13046	12841	13301	14539	14329	14119	13945

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, September 2, 2021 9:11:35 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

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																										
TIE-PLTG		12	-8	17	-28	40	28	41	42	53	-2	32	7	39	27	47	-5	11	-70	-17	-21	3	3	10	18	57	47	0	1	14	9	-49	-21	5	30	36	-33	26	49	-52	-67	-52	12	-20	-14	11	-13	0	-3		
Interconnection		-18	-36	-12	-56	13	0	11	13	24	-30	1	-21	11	-3	19	-33	-19	-100	-45	-49	-27	-26	-20	-12	28	18	-28	-27	-14	-19	-77	-50	-24	1	7	-62	-4	19	-81	-96	-81	-18	-50	-44	-17	-41	-28	-32		
System Total		14562	14287	13942	13712	13434	13138	12965	12702	12481	12321	12095	12102	11929	12008	11818	11565	11470	11661	11812	12010	12224	12450	12609	12777	12667	12607	12689	12853	12935	13023	13142	13130	13088	13150	13046	12973	12841	12991	13301	14385	14539	14326	14329	14277	14119	14087	13945	13708		
SRev ST-Coal		551	593	616	704	743	793	799	847	839	844	841	945	943	930	1013	988	986	989	991	970	948	726	732	726	720	795	728	715	706	695	769	704	688	740	771	834	822	826	703	494	484	480	470	443	453	643	702	811		
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	
SRev CCGT-Gas		299	277	243	133	163	223	211	171	225	177	181	172	209	168	199	411	469	279	156	154	140	169	130	127	187	151	156	134	176	235	187	186	181	209	236	169	180	179	424	149	135	190	137	171	187	162	147	158		
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		651	651	651	651	651	500	651	651	651	651	651	651	651	651	500	651	151	651	651	651	651	651	651	500	651	651	651	651	651	651	651	651	651	500	651	651	651	651	464	464	464	464	313	313	464	651	651			
Hydro		174	141	151	143	162	194	328	186	213	201	209	204	214	198	211	443	333	240	236	110	30	113	66	69	162	288	171	156	162	185	157	199	161	262	500	253	317	114	100	200	225	307	289	492	445	195	171	168		
S.Reserve Total		1675	1662	1661	1631	1719	1861	1838	1855	1928	1873	1882	1972	2017	1947	2074	2342	2439	1659	2034	1885	1769	1659	1579	1573	1720	1734	1706	1656	1695	1766	1764	1740	1681	1862	2007	1907	1970	1770	1878	1307	1308	1441	1360	1419	1398	1464	1671	1788		