

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,347 MW
Distillate	0 MW
Total TNB	2,347 MW
Total IPP	16,525 MW
Total Co-Gen	0 MW
Total System	21,577 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	28	Total	0
SRDG	3		
TJGS	216		
Total TNB	248		
NPRI	152		
PGLA	47		
Total IPP	199		
Total Gas	447		
Total Gas Required	447		

Alternate Fuel Usage

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	3,601 MW
IPP Generation	10,884 MW
Spinning Reserve	1,703 MW
Maximum Demand	14,491 MW
Net Energy	307,643 MWH
Load Factor	88.46 %

Generation Mix

Type	MWh	Percentage
Hydro	20,479	6.66 %
Gas	44,174	14.36 %
Total TNB	64,653	21.02 %
ST-Coal	202,684	65.88 %
LSS	2,918	0.95 %
Gas	36,935	12.01 %
Total IPP	242,537	78.84 %
Co-Gen	208	0.07 %
Total Co-Gen	208	0.07 %
Total Generation	307,398	99.92 %
PLTG	448	0.15 %
HVDC	-693	-0.23 %
Interconnection	-245	-0.08 %
Net Energy	307,643	100.00 %

Fuel Cost

Total Cost:	36,692,949.84 RM
Cost per Unit	11.93 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	604
Hydro	130
Syncon	686
Thermal	733
Total	2,153

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

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	13414	12916	12483	12171	11892	11703	11601	11511	11095	11667	12215	12506	12629	12811	13086	13267	13378	13209	13049	13480	14491	14402	14363	14184

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																										
SRev ST-Coal		343	334	332	584	741	813	895	989	1031	1032	1065	1068	1067	1064	1065	1068	1059	1056	1056	932	897	800	856	939	947	937	1014	1011	965	968	858	656	577	586	682	893	886	902	660	439	417	399	402	388	402	383	402	397		
SRev CCGT-Gas		570	596	574	583	552	569	577	561	564	575	563	564	592	550	589	566	825	640	727	589	567	680	543	589	644	572	641	578	591	585	589	602	697	749	781	720	580	560	559	487	486	585	634	674	647	612	678	679		
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 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 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 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		802	889	889	889	889	889	889	889	889	889	889	889	889	889	889	889	889	889	889	889	889	889	763	763	576	576	576	763	763	576	425	763	612	763	763	889	976	889	889	615	615	802	802	802	802	738	763	738		
Hydro		108	150	175	54	104	80	110	104	58	94	99	91	184	8	101	206	99	73	83	52	32	56	54	143	167	145	13	8	148	270	100	235	103	59	177	89	115	82	79	147	189	187	149	104	68	221	152	199		
S.Reserve Total		1823	1969	1970	2110	2286	2351	2471	2543	2542	2590	2616	2612	2581	2511	2644	2578	2872	2658	2755	2462	2385	2299	2216	2247	2334	2230	2431	2360	2280	2248	2310	2105	2140	2157	2403	2591	2557	2433	2187	1725	1707	1973	1986	1976	1919	1954	1995	2013		