

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,521 MW
Distillate	0 MW
Total TNB	2,521 MW
Total IPP	16,915 MW
Total Co-Gen	0 MW
Total System	22,267 MW

Generation Mix

Type	MWh	Percentage
Hydro	45,600	13.42 %
Gas	29,612	8.71 %
Total TNB	75,212	22.13 %
ST-Coal	206,550	60.77 %
LSS	2,328	0.68 %
Gas	53,875	15.85 %
Total IPP	262,753	77.31 %
Co-Gen	163	0.05 %
Total Co-Gen	163	0.05 %
Total Generation	338,128	99.48 %
PLTG	-1,059	-0.31 %
HVDC	-700	-0.21 %
Interconnection	-1,759	-0.52 %
Net Energy	339,887	100.00 %

Maximum Demand Record

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

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	17,248 MW
TNB Generation	3,286 MW
IPP Generation	12,394 MW
Spinning Reserve	1,561 MW
Maximum Demand	15,869 MW
Net Energy	339,887 MWH
Load Factor	89.24 %

Fuel Cost

Total Cost:	50,278,109.85 RM
Cost per Unit	14.86 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	824
Hydro	278
Syncon	187
Thermal	242
Total	1,531

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	45
TJGS	173
Total TNB	217
CBPS	45
NPRI	136
PGLA	77
PLPS	45
YPKA	0
Total IPP	304
Total Gas	521
Total Gas Required	521

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	13291	12744	12382	12048	11813	11729	11931	12276	12858	14361	15138	15547	15489	15167	15532	15853	15798	15655	14961	14903	15785	15373	14750	14312

Daily MW Generation on Thursday

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 LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	16	54	119	148	177	219	324	295	318	391	370	361	393	305	283	244	179	177	111	93	52	30	6	0	0	0	0	0	0	0	0	0	0	0						
PCUF	CUFG	4	3	3	3	4	4	4	4	2	3	3	4	3	4	3	4	2	4	2	4	3	3	4	5	4	3	2	4	4	4	4	2	3	3	4	4	4	4	4	3	3	2	2	5	3	4	4	4					
PCUF	CUFK	5	3	4	3	2	5	3	4	5	3	4	4	3	3	2	2	5	4	3	1	4	3	2	4	3	3	4	2	2	5	4	4	3	3	3	3	4	5	4	3	3	3	4	3	5	4	5	2					
Total Co-Gen		9	6	7	6	6	9	7	8	7	6	7	8	6	7	5	5	9	7	7	3	8	5	6	7	6	7	9	6	5	7	8	8	7	7	5	6	7	9	8	7	6	6	6	5	10	7	9	6					
Total Gen		13247	12929	12693	12456	12331	12231	11968	11846	11749	11688	11669	11725	11817	12056	12169	12457	12763	13801	14239	14727	15019	15404	15459	15610	15398	15188	15052	15254	15419	15687	15716	15727	15700	15708	15590	15212	14890	14673	14845	15572	15700	15465	15254	14965	14640	14373	14196	13979					
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	-28	-29	-29	-30	-30	-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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		-4	-1	-11	-45	-9	-54	-39	-50	-25	-25	-19	-21	-73	-23	-67	-32	-54	-44	-80	-28	-78	-54	-46	-7	-49	-34	-74	-58	-72	-142	-96	-27	-57	-62	-24	-32	-30	-50	-18	-22	-43	-13	-78	15	-69	-70	-74	-48					
Interconnection		-32	-29	-39	-74	-39	-84	-68	-79	-53	-54	-49	-51	-102	-52	-95	-61	-83	-72	-110	-58	-107	-83	-76	-37	-79	-63	-103	-87	-101	-171	-126	-57	-87	-91	-53	-61	-59	-79	-46	-52	-73	-43	-108	-15	-99	-100	-104	-76					
System Total		13291	12970	12744	12542	12382	12327	12048	11936	11813	11753	11729	11788	11931	12120	12276	12530	12858	13885	14361	14797	15138	15499	15547	15659	15489	15263	15167	15353	15532	15869	15853	15795	15798	15811	15655	15285	14961	14764	14903	15636	15785	15519	15373	14991	14750	14485	14312	14067					
SRev ST-Coal		493	584	653	752	747	842	913	955	965	964	960	958	960	918	841	834	682	584	530	394	260	244	196	177	193	175	173	171	182	174	173	184	190	173	195	174	292	469	422	278	174	191	288	295	402	391	459	463					
SRev CCGT-Gas		1807	1742	1722	1650	1720	1685	1708	1688	1718	1678	1695	1663	1581	1629	1603	1651	1626	863	885	661	778	518	762	708	940	1249	1381	1325	1188	922	883	816	768	778	808	1193	1310	1163	1002	643	625	808	865	1078	883	945	1006	948					
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	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	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	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	0	0	0
Syncon		187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187		
Hydro		285	282	277	252	271	263	269	357	364	465	472	454	444	236	235	262	267	302	256	238	240	265	263	285	291	284	296	365	362	283	273	279	282	278	276	273	271	262	276	268	266	296	252	306	280	295	303	485					
S.Reserve Total		2772	2795	2839	2841	2925	2977	3077	3187	3234	3294	3314	3262	3172	2970	2866	2934	2762	1936	1858	1480	1465	1214	1408	1357	1611	1895	2037	2048	1919	1566	1516	1466	1427	1416	1466	1827	2060	2081	1887	1376	1252	1482	1592	1866	1777	1818	1955	2083					