

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,522 MW
Distillate	0 MW
Total TNB	2,522 MW
Total IPP	19,245 MW
Total Co-Gen	0 MW
Total System	24,590 MW

Generation Mix

Type	MWh	Percentage
Hydro	7,791	2.93 %
Gas	36,413	13.69 %
Total TNB	44,204	16.61 %
ST-Coal	173,500	65.21 %
LSS	1,943	0.73 %
Gas	46,525	17.49 %
Total IPP	221,968	83.42 %
Co-Gen	245	0.09 %
Total Co-Gen	245	0.09 %
Total Generation	266,417	100.13 %
PLTG	-385	-0.14 %
HVDC	725	0.27 %
Interconnection	340	0.13 %
Net Energy	266,077	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:	21:00:00 Hour
Total Set On Bus	14,797 MW
TNB Generation	2,163 MW
IPP Generation	10,186 MW
Spinning Reserve	2,438 MW
Maximum Demand	12,373 MW
Net Energy	266,077 MWH
Load Factor	89.60 %

Fuel Cost

Total Cost:	40,331,585.33 RM
Cost per Unit	15.15 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	251
Hydro	231
Syncon	1,103
Thermal	915
Total	2,500

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

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	12354	11799	11371	11016	10818	10861	10540	10067	9592	9828	10120	10319	10405	10565	10880	10915	10983	11181	11435	11841	12289	12373	12293	12150

Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	208
Total TNB	256
CBPS	54
NPRI	157
Total IPP	210
Total Gas	467
Total Gas Required	467

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	
PGAU	HY02	-1	-1	-1	-1	-1	15	8	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	51	51	51	51	51	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY02	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY01	41	45	42	42	42	68	42	42	45	45	42	41	61	46	42	42	42	45	45	46	46	46	42	42	
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	81	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UJLI	HY01	-1	-1	-1	-1	-1	-1	98	98	96	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	87	83	85	89	105	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY01	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	
Total Hydro		578	241	235	256	235	293	203	195	294	385	376	184	227	213	186	185	187	188	186	187	188	210	205	204	
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BDSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	12	7	7	8	23	24	21	17	25	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	6	12	18	22	18	19	28	34	25	30	47	16	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	3	9	13	20	27	28	32	25	33	29	32	14	6	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	4	8	10	15	18	26	18	13	7	8	11	14	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	3	9	19	20	21	18	21	13	29	50	40	7	
JLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	6	15	21	22	32	27	39	40	19	17	33	13	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	5	6	17	21	27	14	22	29	21	49	44	43	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	18	37	46	42	30	34	28	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	6	11	13	24	25	30	42	33	49	10	25	50	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	4	11	10	19	14	15	13	33	40	34	32	27	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	11	47	92	134	173	194	192	240	283	295	284	284	256	
PCUF	CUFG	6	4	6	5	5	4	6	6	5	5	6	6	5	5	6	5	5	5	4	6	5	6	5	5	
PCUF	CUFK	4	5	5	5	5	4	6	6	5	5	5	5	4	5	4	5	7	5	5	5	5	4	5	5	
Total Co-Gen		10	9	11	10	10	8	12	12	10	11	11	10	10	9	11	12	10	10	9	11	9	11	10	10	
Total Gen		12369	12112	11797	11587	11398	11187	11029	10896	10813	10962	10890	10668	10543	10423	10096	9588	9575	9784	9889	10015	10155	10215	10343	10365	
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	
TIE-HVDC		30	30	29	29	31	31	30	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		-15	-38	-31	-20	-4	-36	-17	-35	-36	-12	-1	-8	-27	0	-1	-58	-46	20	31	-16	6	-11	-5		
Interconnection		15	-8	-2	9	27	-5	13	-4	-5	19	29	22	3	31	29	-27	-17	49	61	14	35	19	24		
System Total		12354	12120	11799	11578	11371	11192	11016	10900	10818	10943	10861	10646	10540	10392	10067	9615	9592	9735	9828	10001	10120	10196	10319	10362	
SRev ST-Coal		750	827	828	827	887	1030	1021	1040	995	952	947	947	948	951	949	951	956	951	951	954	950	954	947	953	
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	
SRev CCGT-Gas		305	141	151	213	181	134	201	173	132	132	200	238	284	283	593	1097	1075	906	844	757	640	596	518	533	
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	
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	
SRev Co-Gen		8	9	7	8	8	10	6	6	8	8	7	7	7	8	8	8	8	8	8	8	9	7	6	8	
Syncon		1103	1204	1204	1053	1204	1204	1053	1053	1017	930	930	1204	1204	1053	1204	1204	1204	1204	1204	1204	1204	1053	1053	1053	
Hydro		136	122	128	258	128	70	261	269	206	202	211	129	86	251	127	128	126	125	127	126	125	254	259	260	
S.Reserve Total		2302	2303	2318	2359	2408	2448	2542	2541	2358	2224	2295	2525	2529	2546	2881	3388	3369	3195	3133	3047	2927	2865	2785	2808	