

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	17,970 MW
Total Co-Gen	0 MW
Total System	22,851 MW

Generation Mix

Type	MWh	Percentage
Hydro	7,627	2.75 %
Gas	36,064	13.01 %
Total TNB	43,691	15.76 %
ST-Coal	182,136	65.70 %
LSS	2,573	0.93 %
Gas	48,971	17.67 %
Total IPP	233,680	84.30 %
Co-Gen	242	0.09 %
Total Co-Gen	242	0.09 %
Total Generation	277,613	100.14 %
PLTG	-329	-0.12 %
HVDC	727	0.26 %
Interconnection	398	0.14 %
Net Energy	277,215	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:	20:00:00 Hour
Total Set On Bus	14,860 MW
TNB Generation	2,236 MW
IPP Generation	10,716 MW
Spinning Reserve	1,896 MW
Maximum Demand	12,910 MW
Net Energy	277,215 MWH
Load Factor	89.47 %

Fuel Cost

Total Cost:	42,349,658.17 RM
Cost per Unit	15.26 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	129
Hydro	223
Syncon	1,205
Thermal	717
Total	2,274

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	217
Total TNB	247
CBPS	4
NPRI	150
PLPS	36
SKSP	1
YPKA	34
Total IPP	226
Total Gas	473
Total Gas Required	473

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	12358	11742	11247	10816	10477	10247	10159	10136	10038	10657	11045	11392	11613	11730	12095	12286	12305	12024	11582	11724	12910	12858	12806	12684

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		
PGAU	HY01	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	23	23	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	23	23	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	
SIHY	HY01	31	31	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	31	31	31	31	31	31	
SIHY	HY02	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	17	0	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	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY04	17	0	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	33	32	33	32	33	
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY03	28	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	32	30	32	31	32	
TMGR	HY04	39	39	39	39	39	39	39	35	38	39	40	41	39	37	38	39	37	37	36	51	42	39	44	62	56	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	84	90	-1	-1	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	88	86	-1	-1	-1	
UPLA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Total Hydro		341	218	157	157	156	155	175	240	155	288	387	388	476	477	473	384	385	390	387	392	163	197	173	184		
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	0	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total 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	
PCUF	CUFG	6	5	4	6	6	5	5	5	4	6	6	5	6	6	4	5	6	5	5	4	6	4	5	5	5	
PCUF	CUFK	5	4	5	5	6	5	5	4	5	4	4	6	5	5	4	4	4	5	5	3	3	4	5	5	5	
Total Co-Gen		11	9	9	11	12	10	10	9	10	8	10	12	10	9	11	10	10	11	10	10	10	10	9	11	10	
Total Gen		12412	12064	11778	11535	11270	11030	10853	10631	10496	10420	10244	10174	10132	10151	10132	9895	9996	10382	10604	10823	10972	11197	11379	11526	11641	
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	
TIE-HVDC		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		23	-11	7	1	-7	-3	6	2	-11	20	-33	-34	-57	-36	-35	-38	-71	-69	-84	-88	-103	-46	-44	-23	-3	
Interconnection		54	19	36	30	23	27	37	33	19	50	-3	-4	-27	-6	-4	-8	-42	-40	-53	-57	-73	-16	-13	7	28	
System Total		12358	12045	11742	11505	11247	11003	10816	10598	10477	10370	10247	10178	10159	10157	10136	9903	10038	10422	10657	10880	11045	11213	11392	11519	11613	
SRev ST-Coal		568	687	704	763	767	768	767	907	966	968	976	979	981	980	979	980	977	978	978	976	896	798	763	707	778	
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	
SRev CCGT-Gas		204	165	185	155	189	164	184	238	147	267	308	101	94	85	92	226	170	99	202	158	216	101	116	162		
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	
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	
SRev Co-Gen		9	11	11	9	8	10	10	11	10	12	10	8	10	11	9	10	10	10	9	10	10	10	10	11	9	
Syncon		1242	1330	1330	1330	1330	1330	1179	1179	1330	1229	1194	1194	1007	1007	1007	1254	1254	1254	1254	1254	1355	1355	1355	1204	1204	
Hydro		247	182	143	143	144	145	276	274	145	113	114	113	212	211	215	117	116	111	114	109	137	103	127	267		
S.Reserve Total		2270	2375	2373	2400	2438	2417	2416	2609	2598	2589	2602	2395	2304	2319	2302	2587	2527	2452	2557	2507	2614	2367	2371	2351	2338	