

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,458 MW
Distillate	0 MW
Total TNB	2,458 MW
Total IPP	16,138 MW
Total Co-Gen	0 MW
Total System	21,146 MW

Generation Mix

Type	MWh	Percentage
Hydro	25,189	7.46 %
Gas	44,405	13.15 %
Total TNB	69,594	20.61 %
ST-Coal	202,570	59.98 %
LSS	2,650	0.78 %
Gas	62,507	18.51 %
Total IPP	267,727	79.27 %
Co-Gen	178	0.05 %
Total Co-Gen	178	0.05 %
Total Generation	337,499	99.93 %
PLTG	366	0.11 %
HVDC	-608	-0.18 %
Interconnection	-242	-0.07 %
Net Energy	337,741	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:	16:00:00 Hour
Total Set On Bus	17,143 MW
TNB Generation	3,174 MW
IPP Generation	12,625 MW
Spinning Reserve	1,338 MW
Maximum Demand	15,837 MW
Net Energy	337,741 MWH
Load Factor	88.86 %

Fuel Cost

Total Cost:	40,382,172.84 RM
Cost per Unit	11.95 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	483
Hydro	331
Syncon	542
Thermal	284
Total	1,640

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	198
Total TNB	227
CBPS	49
NPRI	155
PGLA	48
SKSP	27
Total IPP	279
Total Gas	505
Total Gas Required	505

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	13416	12832	12402	12019	11656	11617	11712	12069	12677	14431	14971	15462	15369	15085	15507	15794	15837	15512	14688	14666	15364	15091	14767	14465

Daily MW Generation on Monday

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-HVDC		30	30	30	-28	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-31	-28	-29	-29	-30	-30	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-28	-28	-29	-29	-28	-28	-29	-29									
TIE-PLTG		38	59	86	24	62	-19	57	65	138	16	24	-18	35	52	71	41	-41	-52	-62	-93	-13	-3	-11	11	-68	-23	-6	-12	-13	-19	-15	8	9	-7	17	35	90	49	65	14	79	63	11	-24	-8	-23	29	15		
Interconnection		68	90	116	-4	32	-48	28	36	109	-13	-6	-48	7	23	42	12	-70	-80	-92	-122	-42	-32	-40	-18	-99	-51	-35	-41	-43	-49	-45	-21	-20	-36	-13	5	61	20	36	-15	50	35	-18	-52	-36	-52	0	-14		
System Total		13416	13172	12832	12615	12402	12185	12019	11727	11656	11646	11617	11687	11712	11889	12069	12396	12677	13857	14431	14832	14971	15345	15462	15481	15369	15166	15085	15225	15507	15737	15794	15817	15837	15752	15512	15113	14688	14555	14666	15453	15364	15103	15091	14917	14767	14679	14465	14114		
SRev ST-Coal		900	892	895	997	1075	1104	1106	1107	1111	1100	1100	1102	1106	1104	1105	1058	1056	802	526	550	532	327	213	222	469	498	492	474	218	228	180	165	159	172	165	219	191	177	162	169	178	189	254	289	362	510	511	828		
SRev CCGT-Gas		482	348	708	905	926	819	980	870	955	871	929	895	802	752	742	628	498	494	470	407	344	423	331	270	248	325	428	498	459	423	378	348	300	304	276	398	739	831	829	753	827	913	721	861	878	764	880	815		
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	
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	976	651	738	889	889	976	976	976	976	976	976	976	976	802	802	802	802	651	651	651	651	651	651	464	464	464	464	464	464	464	464	615	615	615	615	313	187	313	464	464	464	615	615				
Hydro		299	169	168	113	371	251	121	182	131	124	123	119	121	122	109	109	99	41	310	199	213	117	240	244	196	240	196	301	405	411	397	416	419	360	388	266	279	441	442	310	383	518	436	322	318	308	198	150		
S.Reserve Total		2483	2298	2660	2991	3023	2912	3096	3048	3173	3071	3128	3092	3005	2954	2932	2771	2629	2139	2108	1958	1891	1669	1435	1387	1564	1714	1767	1737	1546	1526	1419	1393	1342	1300	1293	1498	1824	2064	2048	1545	1575	1933	1875	1936	2022	2046	2204	2408		