

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,448 MW
Distillate	0 MW
Total TNB	2,448 MW
Total IPP	15,815 MW
Total Co-Gen	0 MW
Total System	21,086 MW

Generation Mix

Type	MWh	Percentage
Hydro	9,073	2.71 %
Gas	34,911	10.44 %
Total TNB	43,984	13.15 %
ST-Coal	225,186	67.31 %
LSS	2,631	0.79 %
Gas	61,378	18.35 %
Total IPP	289,195	86.44 %
Co-Gen	464	0.14 %
Total Co-Gen	464	0.14 %
Total Generation	333,643	99.73 %
PLTG	-214	-0.06 %
HVDC	-699	-0.21 %
Interconnection	-913	-0.27 %
Net Energy	334,556	100.00 %

Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	16,947 MW
TNB Generation	2,807 MW
IPP Generation	12,531 MW
Spinning Reserve	1,528 MW
Maximum Demand	15,450 MW
Net Energy	334,556 MWH
Load Factor	90.23 %

Fuel Cost

Total Cost:	52,782,905.34 RM
Cost per Unit	15.82 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	505
Hydro	232
Syncon	1,069
Thermal	386
Total	2,192

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	38
SRDG	10
TJGS	204
Total TNB	251
KLPP	75
NPRI	79
PGLA	107
PLPS	45
YPKA	38
Total IPP	345
Total Gas	596
Total Gas Required	596

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	15146	14387	13972	13437	13074	12738	12578	12390	11835	12686	13628	14021	13906	13754	14172	14452	14602	14532	14090	14229	15369	15348	15096	14909

Daily MW Generation on Saturday

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																									
Interconnection		-39	-10	-33	-25	-36	3	-36	-44	-54	-79	-39	-34	-11	-23	-91	-54	-20	-74	-58	-38	-118	-44	-44	-44	-69	-72	-23	-23	-92	-93	-46	-43	-37	-42	-45	2	-6	-23	-29	7	58	-31	-23	-2	-50	-19	-27	-54	
System Total		15146	14715	14387	14126	13972	13634	13437	13261	13074	12898	12738	12642	12578	12520	12390	12202	11835	12473	12686	13101	13628	13772	14021	14025	13906	13813	13754	14018	14172	14434	14452	14539	14602	14612	14532	14225	14090	13944	14229	14980	15369	15450	15348	15247	15096	14993	14909	14786	
SRev ST-Coal		141	319	332	473	562	550	555	545	550	546	549	544	547	550	546	616	854	653	552	552	537	465	407	427	414	416	427	437	400	592	464	518	417	412	406	418	419	411	393	213	171	133	135	139	134	138	131	136	
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	2	-1	29	31	71	71	70	95	78	
SRev CCGT-Gas		596	587	400	271	285	323	313	453	525	727	659	777	799	882	1066	1158	1229	917	862	469	220	489	362	350	503	605	641	955	1289	696	494	239	232	200	235	330	586	705	684	326	385	332	254	214	322	210	245	195	
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
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 Co-Gen		4	4	2	7	4	5	7	5	5	3	6	3	4	3	4	9	6	6	9	2	10	8	5	7	7	10	10	7	6	9	8	9	6	6	6	7	8	9	6	10	15	0	-2	5	74	75	74	71	
Syncon		1267	1267	1267	1267	1116	1267	1267	1116	1116	1267	1267	1267	1267	1267	1267	1116	1267	1267	1267	1267	1267	1116	1166	1166	1166	1166	1166	1166	1166	979	828	979	1166	1166	1166	1015	1040	540	540	727	763	914	1166	1116	1116				
Hydro		130	127	127	93	222	96	135	135	265	264	134	135	135	131	136	265	134	140	135	136	131	268	136	136	137	137	270	110	98	97	95	95	223	350	223	137	135	143	306	186	410	494	477	511	387	215	305	297	
S.Reserve Total		2138	2304	2128	2111	2189	2241	2277	2405	2461	2656	2615	2726	2752	2833	3019	3164	3490	2983	2825	2426	2165	2346	2177	2187	2328	2435	2464	2675	2959	2560	2227	2027	1857	1796	1849	2058	2314	2434	2404	1777	1520	1528	1622	1790	1989	1961	2053	1980	