

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,636 MW
Hydro	2,257 MW
Distillate	0 MW
Total TNB	4,893 MW
Total IPP	16,518 MW
Total Co-Gen	70 MW
Total System	22,045 MW

Generation Mix

Type	MWh	Percentage
Gas	34,910	10.26 %
Hydro	16,879	4.96 %
Total TNB	51,789	15.22 %
ST-Coal	181,463	53.34 %
Gas	105,848	31.11 %
Total IPP	287,311	84.45 %
Co-Gen	1,055	0.31 %
Total Co-Gen	1,055	0.31 %
Total Generation	340,155	99.98 %
PLTG	-296	-0.09 %
HVDC	244	0.07 %
Interconnection	-52	-0.02 %
Net Energy	340,207	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	17,296 MW
TNB Generation	2,815 MW
IPP Generation	13,090 MW
Spinning Reserve	1,350 MW
Maximum Demand	16,000 MW
Net Energy	340,207 MWH
Load Factor	88.60 %

Fuel Cost

Total Cost:	57,341,860.32 RM
Cost per Unit	17.74 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	449
Hydro	546
Syncon	411
Thermal	123
Total	1,529

Time Weather Temperature

Afternoon	Cloudy	34
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	215
Total TNB	244
CBPS	55
KLPP	97
NPRI	161
PGLA	107
PLPS	86
SGB3	87
SKSP	29
YPKA	80
Total IPP	701
Total Gas	946
Total Gas Required	946

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	13703	13109	12679	12238	12103	11819	12018	12307	12576	14150	14933	15525	15550	15071	15309	15950	16000	15720	14674	14781	15514	15102	14630	14175

Daily MW Generation on Friday

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 Gen		13730	13376	13207	12906	12718	12551	12275	12124	12094	11941	11888	11905	11985	12147	12154	12121	12594	13474	14071	14643	14889	15303	15504	15665	15562	15380	15039	15207	15273	15699	15953	15982	15946	15979	15728	15259	14652	14630	14813	15495	15500	15337	15095	14930	14723	14512	14168	13985			
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	
TIE-HVDC		30	30	30	31	31	30	30	30	30	30	31	31	31	-271	0	0	0	0	0	0	0	0	0	0	0	0	0	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-PLTG		-3	-23	68	-13	8	22	6	0	-39	-24	39	-80	-64	-82	118	-36	18	-42	-79	-13	-44	-61	-21	-6	12	-60	-32	-28	-36	24	3	-14	-54	26	8	51	-22	-4	2	-25	-44	-4	-38	-32	63	-6	-38	6			
Interconnection		27	7	98	18	39	52	37	31	-9	6	69	-50	-33	-52	-153	-36	18	-42	-79	-13	-44	-61	-21	-6	12	-60	-32	-28	-36	24	3	-14	-54	26	8	51	-22	27	32	5	-14	26	-7	-2	93	24	-7	36			
System Total		13703	13369	13109	12888	12679	12499	12238	12093	12103	11935	11819	11955	12018	12199	12307	12157	12576	13516	14150	14656	14933	15364	15525	15671	15550	15440	15071	15235	15309	15675	15950	15996	16000	15953	15720	15208	14674	14603	14781	15490	15514	15311	15102	14932	14630	14488	14175	13949			
SRev ST-Coal		266	354	351	394	389	398	393	384	380	391	399	379	381	383	452	429	315	361	241	240	186	179	184	241	101	142	158	145	161	54	-20	80	87	76	82	73	256	331	157	80	105	98	113	106	32	105	103	93			
SRev OCCT-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 CCCT-Gas		681	796	762	799	864	1028	1274	1451	1527	1423	1450	1474	1384	1251	1279	1044	990	640	375	651	671	447	362	245	280	212	362	341	615	489	224	239	277	257	316	519	992	992	873	485	425	709	875	494	594	775	1049	1243			
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
SRev Co-Gen		24	24	26	25	25	25	24	24	23	23	24	23	24	22	23	24	24	24	23	28	26	24	27	28	28	31	31	31	29	30	28	30	29	31	26	23	26	27	29	24	25	26	26	26	28	26	27	25			
Syncon		1014	1099	1099	1099	1099	1099	1099	948	948	1099	1099	1099	1099	1099	509	847	998	998	998	374	374	374	374	525	590	590	741	554	453	151	237	237	237	237	388	575	726	726	302	302	302	428	766	615	766	892	892				
Hydro		219	177	177	143	143	145	145	274	234	131	143	134	135	107	564	270	187	154	110	608	546	545	544	409	404	364	337	392	485	530	529	578	720	666	840	687	611	435	451	653	662	547	607	365	670	558	503	504			
S.Reserve Total		2204	2450	2415	2460	2520	2695	2935	3081	3112	3067	3115	3109	3023	2862	2827	2614	2514	2182	1752	1906	1808	1569	1491	1448	1403	1339	1629	1463	1743	1254	998	1164	1350	1267	1501	1690	2460	2511	2236	1544	1519	1682	2049	1757	1939	2230	2574	2757			