

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,588 MW
Hydro	1,806 MW
Distillate	0 MW
Total TNB	5,394 MW
Total IPP	14,778 MW
Total Co-Gen	0 MW
Total System	20,709 MW

Generation Mix

Type	MWh	Percentage
Gas	67,298	18.61 %
Hydro	6,449	1.78 %
Total TNB	73,747	20.39 %
ST-Coal	191,670	53.00 %
Gas	96,970	26.81 %
Total IPP	288,640	79.81 %
Co-Gen	222	0.06 %
Total Co-Gen	222	0.06 %
Total Generation	362,609	100.27 %
PLTG	276	0.08 %
EGAT	-33	-0.01 %
HVDC	728	0.20 %
Interconnection	971	0.27 %
Net Energy	361,638	100.00 %

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	18,477 MW
TNB Generation	3,734 MW
IPP Generation	13,253 MW
Spinning Reserve	1,484 MW
Maximum Demand	17,036 MW
Net Energy	361,638 MWH
Load Factor	88.45 %

Fuel Cost

Total Cost:	49,234,010.55 RM
Cost per Unit	13.82 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	397
Hydro	165
Syncon	743
Thermal	146
Total	1,451

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	54
PAKA	192
PGPS	38
SRDG	19
TJGS	213
Total TNB	515
CBPS	56
KLPP	95
MPSS	58
NPRI	80
PDPS	3
PGLA	92
PKLG	5
PLPS	93
PTEK	20
SGRI	189
SKSP	46
Total IPP	737
Total Gas	1,252
Total Gas Required	1,252

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	15040	14415	13862	13347	13049	12829	12756	12752	12973	14626	15599	16340	16416	15942	16315	16995	17024	16675	15351	15073	16237	16183	15759	15493

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																													
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	0	0	0	0	0	0	16	25	25	25	25	25	25	25	25	25	25	25	25														
TMGR	HY01	32	37	39	39	25	39	29	38	37	35	34	35	31	36	28	35	26	39	35	39	35	84	84	85	82	37	38	36	42	84	84	81	83	28	37	32	33	35	37	33	39	38	37	37	36	34	36						
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	-1	-1	-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	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
Total Hydro		159	167	171	170	169	168	153	168	168	163	162	162	156	185	152	162	161	201	173	177	193	383	292	355	320	270	201	261	271	379	525	526	527	479	400	205	199	265	267	360	487	445	440	282	255	215	214	216					
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	0	0	0	0	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	3	4	3	3	4	4	3	3	3	3	3	2	4	4	4	4	4	4	3	4	2	3	2	3	2	2	2	2	1	3	1	0	-1	0	1	-1	0	0	1	-1	0	1	1	0	0	0	1	0					
PCUF	CUFK	6	7	8	7	7	5	6	6	6	6	6	7	6	6	7	6	7	6	8	6	7	6	7	6	7	7	6	6	5	7	6	6	7	7	7	5	7	7	6	8	9	11	12	12	12	11	12	10					
Total Co-Gen		9	11	11	10	11	9	9	9	9	10	8	10	11	10	11	9	12	8	10	8	10	9	9	8	8	6	10	7	6	6	7	8	4	7	7	7	7	7	9	12	13	12	12	11	13	10							
Total Gen		15157	14585	14409	14184	13984	13667	13498	13305	13090	12935	12880	12800	12870	13000	12847	12584	13131	14033	14718	15186	15695	16152	16392	16530	16442	16094	15961	16089	16377	16702	16974	16993	16988	16970	16659	16129	15382	15019	15123	15978	16313	16397	16224	16088	15808	15717	15534	15332					
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	0	0	0
TIE-HVDC		30	30	30	30	30	30	30	30	31	30	30	30	30	30	31	31	30	31	31	31	31	31	31	30	30	31	31	31	31	30	30	31	31	30	30	31	31	30	30	30	30	30	30	30	31	31	31	31	29				
TIE-PLTG		87	-52	-36	52	92	20	122	6	10	9	21	10	84	73	65	-18	127	22	62	-9	65	-18	22	-35	-5	-51	-12	-11	32	-73	-50	-74	-67	-55	-45	26	0	-16	19	-21	46	51	11	-1	18	40	10	-1					
Interconnection		117	-21	-6	82	122	50	151	37	41	39	51	40	114	102	95	13	158	52	92	22	96	13	52	-4	26	-20	19	20	62	-43	-21	-43	-36	-26	-16	56	31	15	50	9	76	81	41	30	49	70	41	28					
System Total		15040	14606	14415	14102	13862	13617	13347	13268	13049	12896	12829	12760	12756	12898	12752	12571	12973	13981	14626	15164	15599	16139	16340	16534	16416	16114	15942	16069	16315	16745	16995	17036	17024	16996	16675	16073	15351	15004	15073	15969	16237	16316	16183	16058	15759	15647	15493	15304					
SRev ST-Coal		154	159	122	106	195	180	194	272	270	304	267	313	204	243	203	230	232	224	232	186	133	100	140	143	117	168	126	140	164	121	146	183	139	159	168	138	123	131	106	120	128	134	134	128	122	133	87	129					
SRev ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	55	0	3	1	167	226	228	83	44	20	80	132	125	161	98	163	163	158	91	41	37	38	3	0	0	0	0	0	0	0	0		
SRev CCGT-Gas		380	689	458	480	648	990	1129	1125	1254	1381	1561	1656	1709	1572	1730	1977	1655	1310	848	845	431	267	288	213	293	374	420	426	267	350	265	249	287	245	313	237	841	1262	1190	481	317	192	360	270	424	463	482	209					
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	0	
SRev Co-Gen		18	16	16	17	16	18	18	18	18	18	17	19	17	16	17	16	17	16	18	15	19	17	19	17	18	18	19	19	21	17	20	21	21	20	19	23	20	20	20	20	18	15	14	15	15	16	14	17					
Syncon		804	804	804	804	653	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804		
Hydro		138	130	126	127	279	129	144	129	129	134	135	135	141	263	145	135	136	247	124	120	254	64	155	92	252	303	246	311	301	218	148	147	147	95	163	92	98	157	155	212	236	153	158	216	92	132	133	131					
S.Reserve Total		1494	1798	1526	1534	1791	2121	2289	2348	2475	2641	2784	2927	2875	2747	2899	3162	2844	2450	2026	1970	1641	1307	1406	1272	1485	1708	1841	1928	1640	1554	1403	1484	1379	1297	1477	1392	2049	2537	2433	1728	1306	1184	1357	1285	1457	1548	1520	1290					