

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,199 MW
Hydro	2,361 MW
Distillate	0 MW
Total TNB	5,560 MW
Total IPP	12,734 MW
Total Co-Gen	75 MW
Total System	18,369 MW

Generation Mix

Type	MWh	Percentage
Gas	70,093	19.09 %
Hydro	28,953	7.89 %
Total TNB	99,046	26.97 %
ST-Coal	150,740	41.05 %
ST-Oil	13,396	3.65 %
Gas	96,132	26.18 %
Distillate	5,296	1.44 %
Total IPP	265,564	72.32 %
Co-Gen	1,672	0.46 %
Total Co-Gen	1,672	0.46 %
Total Generation	366,282	99.75 %
PLTG	-204	-0.06 %
HVDC	-696	-0.19 %
Interconnection	-900	-0.25 %
Net Energy	367,182	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	18,180 MW
TNB Generation	5,288 MW
IPP Generation	11,948 MW
Spinning Reserve	879 MW
Maximum Demand	17,296 MW
Net Energy	367,182 MWH
Load Factor	88.46 %

Fuel Cost

Total Cost:	63,222,948.00 RM
Cost per Unit	18.74 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	443
Hydro	375
Syncon	445
Thermal	149
Total	1,412

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	54	PTEK	6
GLGR	55	KLPP	12
PAKA	199	PLPS	13
PGPS	45	SGB3	3
SRDG	36	SGRI	13
TJGS	170	PKLG	130
Total TNB	558	Total	176
CBPS	55		
KLPP	87		
NPRI	156		
PDPS	29		
PGLA	111		
PKLG	8		
PLPS	74		
PTEK	30		
SGB3	50		
SGRI	100		
SKSP	30		
Total IPP	732		
Total Gas	1,290		
Total Gas Required	1,466		

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	15198	14406	13949	13482	13168	12786	12967	12832	13288	14955	15857	16540	16511	16123	16838	17141	17253	16927	15724	15675	16699	16585	16009	15700

Daily MW Generation on Thursday

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
LPIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16
LPIA	HY02	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	20	20	20	20
MNOR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2
PGAU	HY01	22	21	21	22	22	22	22	20	22	22	22	21	23	21	-1	-1	-1	82	81	22	113	112	112	22
PGAU	HY02	80	21	21	21	21	22	22	22	22	22	21	21	21	-1	-1	-1	-1	-1	-1	94	68	21	112	113
PGAU	HY03	80	21	20	20	22	21	21	21	21	22	21	21	21	-1	-1	-1	-1	-1	-1	114	21	21	15	78
PGAU	HY04	21	21	21	21	21	21	21	21	21	21	21	21	21	0	0	22	82	82	82	112	112	112	22	22
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	50	30	30	30	30	30	30	50
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	30	30	31	30	30	30	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	30	30	30	30	30	49	50	49
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25
TMGR	HY01	81	82	80	71	71	71	70	71	70	71	71	71	70	71	33	33	33	36	61	82	81	81	81	81
TMGR	HY02	83	83	82	73	73	73	72	73	72	73	73	73	72	73	35	35	35	38	63	84	83	83	83	83
TMGR	HY03	81	81	80	69	69	68	69	69	69	69	69	69	70	32	32	32	35	60	79	79	79	79	79	79
TMGR	HY04	80	81	79	70	71	71	70	71	71	71	70	71	33	-1	-1	36	61	81	81	81	81	81	81	81
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	93	97	93	85	-1	-1	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	100	151	97	-1	-1
UPIA	HY01	3	3	3	3	3	3	3	3	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro		1293	1116	1105	1041	1091	1095	1087	1093	1082	1106	1092	985	979	994	701	557	471	529	849	1141	1404	1411	1544	
KLPP	GT14	137	137	137	137	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	147	144	
PLPS	GT13	146	146	146	85	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99	107	108	108	
SGB3	GT33	128	127	128	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT13	121	121	120	120	121	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	122	
Total Distillate		532	531	531	360	287	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	206	214		
PCUF	CUFG	41	42	38	40	41	40	41	40	38	37	39	40	45	45	46	44	45	44	44	43	44	42	42	
PCUF	CUFK	41	27	28	25	28	26	25	28	26	28	25	27	26	27	27	26	27	26	28	27	26	25	27	
Total Co-Gen		82	69	66	65	69	66	68	64	65	64	67	71	72	73	71	72	71	70	70	69	67	68	65	
Total Gen		15194	14743	14375	14178	13917	13753	13450	13347	13136	13075	12754	12874	12935	13163	12838	12771	13257	14159	14932	15392	15832	16156	16440	
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	
TIE-HVDC		-28	-28	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	
TIE-PLTG		24	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	
Interconnection		-4	-31	-31	-31	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32	
System Total		15198	14774	14406	14209	13949	13785	13482	13379	13168	13107	12786	12906	12967	13150	12832	12761	13288	14172	14955	15483	15857	16222	16540	
SRev ST-Coal		187	182	187	189	177	213	211	309	187	190	186	181	189	182	191	187	148	153	149	145	153	146	154	
SRev ST-Oil		-2	-1	-1	-2	-2	-2	-2	-2	-2	-2	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154	-8	-8	-7	-9	0	154	
SRev CCGT-Gas		575	697	635	441	630	732	992	934	1022	1102	1415	1295	1227	1160	1534	1805	1373	811	488	316	327	407	297	
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	
SRev Distillate		47	48	48	219	149	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	2	
SRev Co-Gen		-7	6	9	10	6	9	9	7	11	10	11	8	4	3	2	4	3	4	5	5	6	5	6	
Syncon		374	374	374	374	374	374	374	374	374	374	374	374	374	374	802	886	1163	1079	827	676	489	489	489	

Daily MW Generation on Thursday

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		
Hydro		432	609	612	676	626	622	630	624	635	611	625	741	747	732	600	660	319	345	477	387	416	409	276	281	302	377	500	313	218	372	348	249	480	509	392	385	594	573	464	244	406	330	447	415	426	399	390	395
S.Reserve Total		1606	1915	1864	1907	1960	2051	2214	2246	2227	2285	2609	2596	2538	2449	3127	3535	3047	2424	1943	1534	1538	1445	1211	1360	1425	1715	1822	1550	1369	1222	1322	879	954	1265	1518	2170	2782	2739	2571	1792	1539	1556	1509	1630	1747	1641	1505	1657