

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,120 MW
Hydro	2,422 MW
Distillate	0 MW
Total TNB	5,542 MW
Total IPP	14,180 MW
Total Co-Gen	20 MW
Total System	19,742 MW

Generation Mix

Type	MWh	Percentage
Gas	60,915	17.88 %
Hydro	8,303	2.44 %
Total TNB	69,218	20.32 %
ST-Coal	182,669	53.61 %
ST-Gas	4,608	1.35 %
Gas	83,823	24.60 %
Total IPP	271,100	79.57 %
Co-Gen	431	0.13 %
Total Co-Gen	431	0.13 %
Total Generation	340,749	100.01 %
PLTG	-683	-0.20 %
HVDC	717	0.21 %
Interconnection	34	0.01 %
Net Energy	340,715	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:	16:00:00 Hour
Total Set On Bus	18,047 MW
TNB Generation	3,496 MW
IPP Generation	12,508 MW
Spinning Reserve	2,026 MW
Maximum Demand	16,063 MW
Net Energy	340,715 MWH
Load Factor	88.38 %

Fuel Cost

Total Cost:	47,757,796.60 RM
Cost per Unit	14.37 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	322
Hydro	282
Syncon	1,118
Thermal	264
Total	1,986

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	0
GLGR	54
PAKA	192
SRDG	4
TJGS	211
Total TNB	461
CBPS	50
KLPP	98
MPSS	2
NPRI	142
PGLA	53
PLPS	87
PTEK	8
SGRI	180
SKSP	2
PKLG	46
Total IPP	668
Total Gas	1,129
Total Gas Required	1,129

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	14184	13481	12975	12547	12301	12107	12260	12038	12475	14017	14835	15567	15506	14941	15123	15700	16063	15500	14384	14723	15391	15215	14606	14187

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	
JMAH	U001	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	500	500	500	500	500	693	693
JMAH	U002	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691
JMJC	U001	675	675	676	676	674	671	675	681	675	677	675	673	675	674	673	678	673	671	676	677	675	673	675	671	676
JMJC	U002	673	676	675	674	675	672	677	678	675	673	675	674	673	678	673	671	676	677	675	673	675	674	673	678	676
JMJC	U003	663	669	667	665	667	666	664	667	668	666	668	668	664	667	660	664	669	671	668	668	666	667	667	667	668
JMJC	U004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	96	100	232	146	214	295	319	364	
PKLG	U004	282	280	282	280	280	278	278	278	280	282	281	281	280	283	289	282	282	280	280	282	281	279	275	279	277
PKLG	U005	473	469	466	428	450	464	467	466	466	467	467	467	468	468	467	467	467	467	467	466	470	468	468	468	
PKLG	U006	464	467	474	472	462	452	468	468	471	468	468	465	465	474	472	468	465	468	472	472	468	472	472	472	
TBIN	U001	690	687	689	689	688	689	688	687	691	690	688	689	689	688	690	689	687	685	689	687	687	687	687	687	
TBIN	U002	691	692	702	692	690	690	692	692	691	692	691	692	693	691	691	691	691	692	692	691	691	693	694	688	
TBIN	U003	690	689	690	690	690	687	691	690	688	689	690	690	690	691	691	691	691	691	690	690	688	690	690	688	
TBIN	U004	901	901	902	901	901	902	902	901	901	902	902	902	902	903	902	902	901	903	901	902	901	825	677		
Total ST-Coal		7586	7589	7607	7551	7563	7558	7582	7593	7592	7588	7587	7584	7580	7596	7591	7605	7594	7588	7597	7624	7686	7696	7828	7726	
Total 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	
PKLG	U001	143	143	143	143	144	144	144	144	144	144	144	144	144	144	170	200	240	266	278	282	282	282	282	280	
Total ST-Gas		143	143	143	143	144	144	144	144	144	144	144	144	144	144	170	200	240	266	278	282	282	282	282	280	
CBPS	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CBPS	BLK2	367	365	366	363	365	361	370	363	365	365	337	213	215	208	203	210	208	210	204	218	349	363	358		
GLGR	GT01	107	105	104	104	80	68	69	68	67	70	69	68	70	69	68	85	105	103	102	103	102	103	102	104	
GLGR	GT02	104	104	104	104	78	69	68	68	69	68	69	68	68	69	68	87	104	104	104	103	104	104	104	104	
GLGR	ST1C	93	93	93	93	84	71	70	70	70	70	70	70	70	70	76	93	93	94	93	94	94	94	94		
KLPP	GT13	139	140	131	131	108	94	66	66	66	66	66	71	67	67	66	86	105	101	106	143	142	141	140		
KLPP	GT14	154	154	154	147	147	95	95	82	82	82	82	82	81	81	130	130	158	158	158	158	145	145	130		
KLPP	GT15	153	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KLPP	ST17	207	190	154	135	121	106	94	90	90	90	87	87	90	90	98	106	113	183	187	207	207	207	209		
MPSS	GT01	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MPSS	GT02	106	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MPSS	ST01	112	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
NPRI	BLK1	444	529	506	436	365	361	340	353	332	341	334	349	374	389	325	333	401	532	332	529	506	521	514		
NPRI	BLK2	512	513	509	438	366	361	337	352	332	343	333	350	373	390	328	334	401	533	515	523	508	524	518		
PAKA	GT1A	67	66	67	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65		
PAKA	GT1B	66	65	65	64	63	64	64	63	64	65	65	65	65	65	64	64	66	65	65	65	65	65	65		
PAKA	ST1C	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67		
PAKA	CT2A	65	64	64	63	64	62	63	63	63	64	64	63	64	64	63	63	64	63	64	86	86	86	86		
PAKA	CT2B	64	64	65	64	64	63	64	63	64	64	64	63	64	64	63	64	89	89	89	88	86	83	64		
PAKA	ST2C	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75		
PAKA	CT3A	66	65	65	65	65	64	65	65	65	64	66	66	65	64	65	66	65	66	65	66	65	66	65		
PAKA	GT3B	66	64	66	64	64	64	65	64	64	65	65	64	64	64	65	64	66	65	65	87	87	87	87		
PAKA	ST3C	75	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76		
PAKA	CT4A	94	94	94	94	94	94	94	95	95	94	95	94	95	94	93	94	93	94	93	93	93	93	93		
PAKA	CT4B	82	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81		
PAKA	ST4C	92	92	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91		
PGLA	GT12	227	225	225	225	228	223	157	155	158	162	157	162	168	156	159	157	158	231	231	231	229	229	227		
PGLA	ST10	116	116	116	116	116	112	90	93	90	90	90	92	90	92	90	92	115	115	116	117	116	116	115		
PLPS	GT11	66	66	66	66	65	66	65	65	66	65	65	66	65	64	65	68	69	68	115	119	133	141	139		
PLPS	CT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

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
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
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
TMGR	HY04	39	36	36	35	35	35	34	34	34	33	34	34	33	33	33	36	32	35	34	35	36	36	36	33
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	0	0	0
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
Total Hydro		164	167	165	162	183	181	160	161	181	162	160	160	173	182	161	160	160	188	159	202	154	373	504	675
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
PCUF	CUFK	18	18	18	17	18	17	18	18	18	20	19	17	19	18	19	17	18	20	18	19	18	19	18	18
Total Co-Gen		18	18	18	17	18	17	18	18	18	20	19	17	19	18	19	17	18	20	18	19	18	18	17	18
Total Gen		14199	13865	13552	13284	13046	12861	12594	12462	12334	12289	12129	12189	12298	12361	12042	12026	12439	13308	13987	14516	14838	15285	15546	15679
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
TIE-HVDC		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
TIE-PLTC		-15	26	41	13	41	16	17	15	3	38	-8	13	8	-45	-26	-67	-66	-80	-59	-107	-29	-80	-50	
Interconnection		15	56	71	43	71	46	47	45	33	68	22	42	38	-15	4	-37	-36	-50	-30	-77	1	-50	-21	
System Total		14184	13809	13481	13221	12975	12815	12547	12417	12301	12221	12107	12147	12260	12376	12038	12063	12475	13358	14017	14593	14835	15335	15567	15741
SRev ST-Coal		139	136	118	174	162	167	143	132	133	137	138	141	145	129	134	120	131	137	128	161	339	329	197	299
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
SRev CCGT-Gas		986	1223	1180	1060	1312	1490	1761	1905	2052	2076	2232	2167	2069	2031	2325	2283	2113	1551	1088	630	323	115	146	122
SRev ST-Gas		37	37	37	37	37	36	36	37	37	37	37	37	37	37	37	37	38	40	42	16	4	0	0	0
SRev Co-Gen		2	2	2	3	2	2	2	2	0	1	3	1	2	1	2	1	2	2	3	2	3	2	1	2
Syncon		1266	1266	1266	1266	1115	1115	1266	1266	1115	1266	1266	1266	1266	1453	1453	1226	1125	812	974	1201	1352	1352	1352	1075
Hvdro		130	127	129	132	262	264	134	133	264	132	134	134	134	106	135	91	139	397	367	509	499	405	271	245
S.Reserve Total		2560	2791	2732	2672	2890	3075	3342	3475	3603	3648	3808	3748	3629	3577	3896	3843	3683	3097	2656	2373	2293	2106	1877	1786