

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,202 MW
Hydro	1,920 MW
Distillate	0 MW
Total TNB	5,122 MW
Total IPP	13,719 MW
Total Co-Gen	60 MW
Total System	18,901 MW

Generation Mix

Type	MWh	Percentage
Gas	65,793	19.05 %
Hydro	7,720	2.24 %
Total TNB	73,513	21.29 %
ST-Coal	183,251	53.06 %
ST-Gas	5,699	1.65 %
Gas	82,218	23.81 %
Total IPP	271,168	78.52 %
Co-Gen	1,134	0.33 %
Total Co-Gen	1,134	0.33 %
Total Generation	345,815	100.14 %
PLTG	-248	-0.07 %
HVDC	725	0.21 %
Interconnection	477	0.14 %
Net Energy	345,338	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	17,907 MW
TNB Generation	3,808 MW
IPP Generation	12,706 MW
Spinning Reserve	1,347 MW
Maximum Demand	16,506 MW
Net Energy	345,338 MWH
Load Factor	87.17 %

Fuel Cost

Total Cost:	49,449,303.65 RM
Cost per Unit	14.67 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	424
Hydro	230
Syncon	867
Thermal	118
Total	1,639

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	17

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	11
PAKA	193
PGPS	26
SRDG	21
TJGS	210
Total TNB	508
KLPP	96
MPSS	31
NPRI	114
PDPS	26
PKLG	16
PLPS	93
PTEK	33
SGB3	19
SGRI	180
SKSP	49
PKLG	56
Total IPP	713
Total Gas	1,221
Total Gas Required	1,221

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	13787	13014	12616	12211	11993	11897	12049	12072	12628	14389	15373	15958	15939	15567	16150	16356	16499	15997	14920	14990	15499	15342	14822	14495

Daily MW Generation on Tuesday

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	689	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691
JMAH	U002	709	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695
JMJC	U001	677	677	672	677	675	676	677	671	672	674	647	642	650	644	667	677	678	679	674	677	673	688	672	676
JMJC	U002	675	677	673	676	673	677	677	670	676	675	644	645	645	666	674	676	674	678	672	677	671	623	627	631
JMJC	U003	671	668	679	665	671	672	671	671	673	672	641	641	640	643	643	662	663	669	671	665	672	672	677	677
JMJC	U004	849	770	701	710	705	706	706	707	708	705	694	707	723	708	706	708	710	708	786	876	895	905	933	944
PKLG	U003	279	279	277	278	280	280	280	280	280	278	278	280	0	0	0	0	0	0	0	0	0	0	0	0
PKLG	U004	280	278	278	280	281	281	281	277	279	278	281	281	279	279	279	279	279	279	279	277	279	277	277	
PKLG	U005	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466
PKLG	U006	87	87	87	87	107	172	189	195	189	254	359	423	470	480	473	471	474	467	467	471	471	471	467	467
TBIN	U002	694	695	694	695	691	691	694	692	691	694	650	651	654	651	662	684	692	692	695	686	689	691	691	694
TBIN	U003	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690
TBIN	U004	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900
Total ST-Coal		7666	7573	7503	7514	7524	7600	7620	7606	7609	7671	7601	7677	7466	7455	7516	7599	7543	7450	7494	7577	7602	7617	7588	7654
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	U002	260	191	158	146	146	146	146	146	146	146	147	147	146	146	207	269	275	279	282	282	282	282	282	282
Total ST-Gas		260	191	158	146	146	146	146	146	146	146	147	147	146	146	207	269	275	279	282	282	282	282	282	282
CBPS	GT1A	89	89	89	89	89	89	90	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
CBPS	GT1B	81	0	0	0	0	0	0	0	0	0	0	0	8	72	98	98	98	98	98	98	98	98	98	
CBPS	ST1C	70	44	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
KLPP	GT13	139	138	140	71	70	70	70	70	71	70	71	70	71	73	125	139	142	143	141	142	141	141	141	
KLPP	GT14	75	0	0	0	0	0	0	0	0	0	0	0	42	132	119	156	156	157	157	157	157	157	157	
KLPP	GT15	138	138	138	78	81	78	77	78	81	78	78	79	83	79	79	79	83	136	151	153	155	155	155	
KLPP	ST17	194	129	129	98	90	89	89	89	89	89	86	88	94	91	90	93	94	188	203	205	205	207	203	
MPSS	GT02	105	91	91	92	91	92	90	92	91	89	91	93	92	90	90	93	91	106	106	105	105	105	105	
MPSS	ST01	51	40	39	42	40	41	40	40	40	40	40	39	39	40	40	40	40	40	40	40	40	40	40	
NPRI	BLK1	325	401	348	496	404	407	333	331	328	328	326	329	364	524	362	329	462	490	446	528	498	505	497	
NPRI	BLK2	325	397	345	500	410	409	333	330	329	327	323	328	362	528	365	329	463	493	507	508	502	521	499	
PAKA	GT1A	91	65	65	65	66	67	66	65	65	65	65	65	65	65	65	66	66	66	89	89	85	88	87	
PAKA	GT1B	93	65	63	64	64	66	65	64	63	65	65	65	65	65	65	65	65	65	65	92	92	91	92	
PAKA	ST1C	79	66	65	65	64	64	65	65	65	64	65	65	65	65	65	65	65	65	78	78	78	78	79	
PAKA	GT2A	89	65	64	64	65	66	65	64	64	64	65	64	65	65	65	66	87	87	87	86	86	86	86	
PAKA	GT2B	94	64	63	63	64	65	64	64	64	63	63	65	65	65	65	65	93	93	91	91	91	91	91	
PAKA	ST2C	89	76	75	75	75	75	75	75	75	74	75	75	75	75	75	75	75	89	89	89	89	89	89	
PAKA	GT3A	88	64	64	65	65	66	66	64	64	65	65	66	65	66	65	66	65	66	86	86	86	86	86	
PAKA	GT3B	88	64	64	64	64	66	65	63	64	64	64	64	65	65	65	65	65	88	87	87	83	85	85	
PAKA	ST3C	90	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	91	91	91	88	90	89	
PAKA	GT4A	95	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	94	94	93	93	93	
PAKA	GT4B	82	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	81	81	81	80	80	80	
PAKA	ST4C	91	82	82	82	81	81	81	81	81	81	81	81	81	81	81	81	81	89	90	90	90	90	90	
PCPS	GT3B	83	83	84	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	94	95	95	94	94	
PCPS	ST3C	37	37	38	38	38	38	38	38	38	38	37	37	37	37	38	38	37	38	45	45	45	46	46	
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	155	151	150	150	146	
PLPS	GT12	141	144	86	70	69	69	68	69	70	70	65	69	74	67	68	69	69	148	146	145	147	145	143	
PLPS	GT13	140	144	139	63	64	62	64	63	63	64	58	63	68	63	64	62	63	145	144	148	148	148	146	
PLPS	ST18	144	144	131	96	92	93	93	93	92	90	93	93	91	92	98	98	147	209	215	215	213	214	213	
SGB3	GT33	0	0	0	0	0	0	0	0	0	0	0	0	0	23	37	39	39	47	138	117	116	117	114	

