

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,199 MW
Hydro	2,337 MW
Distillate	0 MW
Total TNB	5,536 MW
Total IPP	13,656 MW
Total Co-Gen	100 MW
Total System	19,292 MW

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	18,743 MW
TNB Generation	4,980 MW
IPP Generation	12,498 MW
Spinning Reserve	1,184 MW
Maximum Demand	17,571 MW
Net Energy	367,292 MWH
Load Factor	87.10 %

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	59	KLPP	4
GLGR	54	PLPS	4
PAKA	191	SGB3	9
PGPS	44	SGRI	3
SRDG	35	PKLG	114
TJGS	164	Total	134
Total TNB	547		

Generation Mix

Type	MWh	Percentage
Gas	68,207	18.57 %
Hydro	29,195	7.95 %
Total TNB	97,402	26.52 %
ST-Coal	164,508	44.79 %
ST-Oil	11,556	3.15 %
Gas	89,431	24.35 %
Distillate	2,056	0.56 %
Total IPP	267,551	72.84 %
Co-Gen	2,005	0.55 %
Total Co-Gen	2,005	0.55 %
Total Generation	366,958	99.91 %
PLTG	360	0.10 %
HVDC	-694	-0.19 %
Interconnection	-334	-0.09 %
Net Energy	367,292	100.00 %

Fuel Cost

Total Cost:	61,670,704.95 RM
Cost per Unit	18.25 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	508
Hydro	380
Syncon	258
Thermal	158
Total	1,304

CBPS	52
KLPP	93
NPRI	143
PDPS	27
PGLA	102
PKLG	12
PLPS	81
PTEK	27
SGB3	63
SGRI	87
Total IPP	687
Total Gas	1,235
Total Gas Required	1,369

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

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	14727	13958	13376	13084	12735	12477	12636	12537	13040	15045	15997	16763	16829	16457	17132	17555	17571	17186	15963	15620	16964	16961	16401	15922

Daily MW Generation on Wednesday

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		
PGPS	ST3C	73	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	
PLPS	GT11	111	117	101	65	62	62	62	65	64	66	62	65	65	67	64	62	66	131	131	126	129	133	115	119	115	114
PLPS	GT12	119	124	119	68	65	64	65	67	67	65	67	66	70	66	64	68	139	139	134	134	137	118	123	119	119	120
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	80	142	141	111	116	112	112	113	
PLPS	ST18	131	131	133	93	92	92	91	93	91	93	92	93	94	95	92	93	140	138	168	208	210	197	198	197	196	
SGB3	GT31	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	
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	143	143	112	116	142	142	141	141	
SGB3	GT33	115	119	115	118	115	116	114	119	114	118	115	114	115	119	118	116	118	120	119	114	114	139	106	110	134	136
SGB3	ST34	65	65	65	65	66	66	65	65	66	65	65	65	65	66	66	67	67	68	70	145	150	135	134	151	153	
SGRI	GT11	113	131	109	64	65	65	65	65	65	65	65	65	65	65	65	65	71	135	135	136	136	135	136	132	133	
SGRI	GT12	111	141	111	71	71	71	70	70	70	71	71	70	70	71	71	71	141	140	138	140	140	137	138	136	136	
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	135	134	134	133	133	134	134	
SGRI	ST14	132	152	138	101	102	98	102	100	99	100	100	101	100	99	99	101	145	149	212	212	217	220	219	216	214	
SGRI	GT21	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	
TJGS	GT1A	210	215	228	226	209	227	182	144	169	198	169	199	216	225	195	149	196	224	222	220	219	222	222	220	223	
TJGS	GT1B	204	207	215	216	203	216	179	140	161	194	160	192	210	219	188	144	187	217	212	215	216	212	212	212	212	
TJGS	ST1C	239	239	250	251	250	251	219	177	208	217	212	246	253	253	235	197	188	249	252	252	252	252	252	252	252	
TJGS	GT2B	226	226	226	226	224	173	157	157	157	157	157	157	157	157	157	157	157	157	233	239	239	236	236	236		
TJGS	ST2C	126	126	126	126	126	122	101	101	101	101	101	101	101	101	101	101	101	101	130	133	133	133	133	133	133	
Total CCGT-Gas		5473	5767	5499	5195	4965	4984	4727	4577	4501	4595	4506	4621	4813	4997	4625	4530	5133	5919	6575	6735	7115	7352	7169	7142		
PDPS	GT01	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	
PDPS	GT03	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	
PDPS	GT04	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	
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	94	94	94	93	92	92		
PTEK	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	0	
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	107	107	107	106	106	106		
PTEK	GT2A	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	
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	105	104	104	104	103	105		
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	121	123	121	122	123	123		
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	120	122	123	123	124	123		
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	145	641	655	654	654	654	654		
BSIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
BSIA	HY03	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
HTRG	HY01	64	64	64	64	64	64	64	63	63	63	63	64	63	64	64	64	63	125	125	125	125	125	126	126		
HTRG	HY02	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	
KNRG	HY01	35	35	35	35	35	35	35	24	24	24	24	24	24	24	24	24	24	38	38	38	38	38	38	38	38	
KNRG	HY02	35	35	35	35	35	35	35	24	24	24	24	24	24	24	24	24	24	38	38	38	38	38	38	38	38	
KNRG	HY03	35	35	35	35	35	35	0	0	0	0	0	0	0	0	0	0	0	38	38	38	38	38	38	38	38	
KNYR	HY01	100	100	100	101	81	100	101	101	101	101	101	101	103	103	101	101	102	101	99	100	103	103	100	99		
KNYR	HY03	102	103	102	102	102	102	103	103	103	103	103	103	103	103	103	103	103	103	100	102	103	103	102	101		
KNYR	HY04	102	103	102	103	102	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	
LPIA	HY01	19	19	19	18	18	19	18	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19	19	
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	

