

Availability at Daily Maximum Demand Hour

ST-Coal	2,330 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,975 MW
Hydro	1,882 MW
Distillate	0 MW
Total TNB	7,187 MW
Total IPP	9,822 MW
Total Co-Gen	0 MW
Total System	17,009 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	50,667	15.17 %
Gas	69,138	20.71 %
Hydro	13,481	4.04 %
Total TNB	133,286	39.92 %
ST-Coal	116,531	34.90 %
ST-Gas	6,848	2.05 %
Gas	77,156	23.11 %
Total IPP	200,535	60.06 %
Co-Gen	602	0.18 %
Total Co-Gen	602	0.18 %
Total Generation	334,423	100.16 %
PLTG	-192	-0.06 %
HVDC	716	0.21 %
Interconnection	524	0.16 %
Net Energy	333,899	100.00 %

Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	17,160 MW
TNB Generation	6,416 MW
IPP Generation	9,490 MW
Spinning Reserve	1,229 MW
Maximum Demand	15,950 MW
Net Energy	333,899 MWH
Load Factor	87.23 %

Fuel Cost

Total Cost:	44,676,695.35 RM
Cost per Unit	13.92 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	288
Hydro	334
Syncon	508
Thermal	139
Total	1,269

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	49
GLGR	54
NPRI	62
PAKA	122
TJGS	219
Total TNB	505
KLPP	95
MPSS	50
PDPS	14
PGLA	57
PKLG	11
PLPS	93
PTEK	8
SGB3	76
SGRI	162
SKSP	37
PKLG	68
Total IPP	670
Total Gas	1,175
Total Gas Required	1,175

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	13041	12444	12067	11742	11435	11452	11398	11700	12336	14077	14963	15459	15396	15061	15721	15787	15920	15572	14468	14655	15339	14939	14578	13962

Daily MWH Generation on Wednesday

Station	Unit	Fuel Type	Calculated MWH
JMAH	U001	ST-Coal	16,832
JMAH	U002	ST-Coal	16,882
			33,714
JMUG	U001	ST-Coal	14,585
JMUG	U002	ST-Coal	16,241
JMUG	U004	ST-Coal	19,841
			50,667
PKLG	U003	ST-Coal	6,740
PKLG	U004	ST-Coal	6,692
PKLG	U005	ST-Coal	10,851
PKLG	U006	ST-Coal	11,304
			35,587
TBIN	U001	ST-Coal	16,674
TBIN	U003	ST-Coal	16,837
TBIN	U004	ST-Coal	13,719
			47,230
Subtotal			167,198
PKLG	U001	ST-Gas	1,153
PKLG	U002	ST-Gas	5,695
			6,848
Subtotal			6,848
CBPS	GT1A	CCGT-Gas	2,228
CBPS	GT1B	CCGT-Gas	1,442
CBPS	ST1C	CCGT-Gas	1,868
			5,538
GLGR	GT01	CCGT-Gas	2,355
GLGR	GT02	CCGT-Gas	2,353
GLGR	ST1C	CCGT-Gas	2,182
			6,890
KLPP	GT11	CCGT-Gas	84
KLPP	GT12	CCGT-Gas	58
KLPP	GT13	CCGT-Gas	2,767
KLPP	GT14	CCGT-Gas	2,280
KLPP	GT15	CCGT-Gas	3,045
KLPP	ST17	CCGT-Gas	4,026
			12,260
MPSS	GT01	CCGT-Gas	1,577
MPSS	GT02	CCGT-Gas	2,404
MPSS	ST01	CCGT-Gas	2,008
			5,989
NPRI	BLK2	CCGT-Gas	9,559
			9,559
PAKA	GT1A	CCGT-Gas	1,928
PAKA	GT1B	CCGT-Gas	1,954
PAKA	ST1C	CCGT-Gas	1,733
PAKA	GT2A	CCGT-Gas	1,905
PAKA	GT2B	CCGT-Gas	1,896

Daily MWH Generation on Wednesday

Station	Unit	Fuel Type	Calculated MWH
PAKA	ST2C	CCGT-Gas	2,009
PAKA	GT4B	CCGT-Gas	1,980
PAKA	ST4C	CCGT-Gas	975
Subtotal			14,380
PGLA	GT12	CCGT-Gas	5,215
PGLA	ST10	CCGT-Gas	2,647
Subtotal			7,862
PLPS	GT11	CCGT-Gas	2,751
PLPS	GT12	CCGT-Gas	2,186
PLPS	GT13	CCGT-Gas	2,922
PLPS	ST18	CCGT-Gas	4,142
Subtotal			12,001
SGRI	GT11	CCGT-Gas	2,982
SGRI	GT12	CCGT-Gas	2,230
SGRI	GT13	CCGT-Gas	3,011
SGRI	ST14	CCGT-Gas	4,435
SGRI	GT21	CCGT-Gas	2,720
SGRI	GT23	CCGT-Gas	2,743
SGRI	ST24	CCGT-Gas	3,176
Subtotal			21,297
SGB3	GT31	CCGT-Gas	1,591
SGB3	GT32	CCGT-Gas	1,851
SGB3	GT33	CCGT-Gas	2,941
SGB3	ST34	CCGT-Gas	3,555
Subtotal			9,938
SKSP	BLK1	CCGT-Gas	5,148
Subtotal			5,148
TJGS	GT1A	CCGT-Gas	5,243
TJGS	GT1B	CCGT-Gas	5,080
TJGS	ST1C	CCGT-Gas	5,984
TJGS	GT2A	CCGT-Gas	5,152
TJGS	GT2B	CCGT-Gas	5,123
TJGS	ST2C	CCGT-Gas	6,189
Subtotal			32,771
Subtotal			143,633
PDPS	GT02	CCGT-Gas	556
PDPS	GT03	CCGT-Gas	600
Subtotal			1,156
PKLG	GT08	CCGT-Gas	299
PKLG	GT09	CCGT-Gas	588
Subtotal			887
PTEK	GT2A	CCGT-Gas	618
Subtotal			618
Subtotal			2,661
BSIA	HY01	Hydro	292
BSIA	HY02	Hydro	153
BSIA	HY03	Hydro	148

Daily MWH Generation on Wednesday

Station	Unit	Fuel Type	Calculated MWH
CEND	HY01	Hydro	593
CEND	HY02	Hydro	240
CEND	HY03	Hydro	225
CEND	HY04	Hydro	233
CEND	HY04	Hydro	192
			890
HTRG	HY01	Hydro	325
HTRG	HY02	Hydro	519
			844
KNRG	HY01	Hydro	495
KNRG	HY02	Hydro	441
KNRG	HY03	Hydro	91
			1,027
KNYR	HY04	Hydro	1,625
			1,625
LPIA	HY01	Hydro	528
LPIA	HY02	Hydro	359
			887
MINOR	HY01	Hydro	101
			101
PGAU	HY01	Hydro	1,152
PGAU	HY02	Hydro	387
PGAU	HY03	Hydro	334
PGAU	HY04	Hydro	966
			2,839
SHHY	HY01	Hydro	417
SHHY	HY02	Hydro	425
SHHY	HY03	Hydro	499
			1,341
SYPS	HY01	Hydro	275
SYPS	HY02	Hydro	275
SYPS	HY03	Hydro	262
SYPS	HY04	Hydro	262
			1,074
TMGR	HY01	Hydro	989
TMGR	HY02	Hydro	488
TMGR	HY03	Hydro	85
TMGR	HY04	Hydro	506
			2,068
UPIA	HY01	Hydro	96
UPIA	HY02	Hydro	96
			192
Subtotal			13,481
PCUF	CUFG	Co-Gen	318
PCUF	CUFK	Co-Gen	284
Subtotal			602
TIEL	PLTG	PLTG	-192

Daily MWH Generation on Wednesday

Station	Unit	Fuel Type	Calculated MWH
TEEL	HVDC	HVDC	716
Subtotal			524
Calculated Net Energy			333,899

