

Availability at Daily Maximum Demand Hour

ST-Coal	2,262 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,060 MW
Hydro	1,705 MW
Distillate	0 MW
Total TNB	8,027 MW
Total IPP	10,450 MW
Total Co-Gen	0 MW
Total System	18,477 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	49,497	17.19 %
Gas	63,714	22.13 %
Hydro	10,434	3.62 %
Total TNB	123,645	42.94 %
ST-Coal	86,706	30.12 %
ST-Gas	4,506	1.57 %
ST-Oil	1,536	0.53 %
Gas	70,858	24.61 %
Total IPP	163,606	56.82 %
Co-Gen	1,740	0.60 %
Total Co-Gen	1,740	0.60 %
Total Generation	288,991	100.37 %
PLTG	350	0.12 %
HVDC	725	0.25 %
Interconnection	1,075	0.37 %
Net Energy	287,916	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:	21:00:00 Hour
Total Set On Bus	14,649 MW
TNB Generation	5,835 MW
IPP Generation	7,755 MW
Spinning Reserve	983 MW
Maximum Demand	13,636 MW
Net Energy	287,916 MWH
Load Factor	87.97 %

Fuel Cost

Total Cost:	38,907,874.25 RM
Cost per Unit	13.99 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	216
Hydro	161
Syncon	362
Thermal	31
Total	770

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	37
GLGR	32
PAKA	141
PGPS	40
SRDG	4
TJGS	219
Total TNB	473
KLPP	104
MPSS	39
PDPS	1
PLPS	104
SGRI	152
SKSP	54
YPGS	34
YPKA	67
PKLG	44
Total IPP	601
Total Gas	1,074
Total Gas Required	1,089

Alternate Fuel Usage

Station	(mmscfd)
PKLG	15
Total	15

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	12780	12298	11597	11340	10918	10746	10776	10422	10083	10650	11485	12172	12271	12241	12335	12510	12594	12201	12034	12460	13585	13637	13409	13064

Daily MW Generation on Sunday

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	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1
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	
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Total Hydro		634	577	687	581	542	573	348	259	190	179	173	168	197	209	159	164	167	176	176	219	188	319	579	
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	
PCUF	CUFG	42	41	41	41	43	41	43	43	43	42	42	43	43	44	43	42	41	40	40	39	39	37	37	
PCUF	CUFK	34	35	35	35	33	34	33	34	34	33	35	35	33	34	36	35	35	32	30	29	30	27	26	25
Total Co-Gen		76	76	76	76	76	75	76	77	77	76	77	77	75	77	79	79	78	74	71	69	70	66	65	
Total Gen		12826	12318	12307	11982	11654	11639	11377	11263	11000	10885	10784	10653	10811	10956	10533	10088	10143	10648	10716	11128	11516	11944	12234	
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		30	30	31	31	30	30	30	31	31	31	31	31	30	30	30	30	30	30	31	30	30	30	30	
TIE-PLTG		16	7	-22	-46	27	23	7	30	52	6	7	6	5	-4	81	-13	29	60	35	21	1	76	22	
Interconnection		46	37	9	-16	57	53	37	60	82	37	38	36	35	26	111	17	60	90	66	52	31	107	52	
System Total		12780	12281	12298	11998	11597	11586	11340	11203	10918	10848	10746	10617	10776	10930	10422	10071	10083	10558	10650	11076	11485	11837	12172	
SRev ST-Coal		49	35	37	61	59	77	40	47	47	40	32	51	33	27	56	336	335	88	91	38	36	43	32	
SRev ST-Oil		0	0	1	2	2	42	42	42	41	41	41	37	37	37	0	0	0	0	0	0	0	0	0	0
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	
SRev CCGT-Gas		395	402	119	242	107	109	180	179	373	482	568	634	521	395	741	911	860	817	795	696	423	269	314	
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	37	38	37	41	16	10	7	3	0	0	0	0	
SRev Co-Gen		0	0	0	0	1	0	-1	-1	0	-1	-1	1	-1	-3	-3	-2	2	5	7	6	10	11	14	
Syncon		321	321	321	422	422	422	573	724	724	724	724	724	724	724	724	491	642	642	589	390	390	390	390	
Hydro		258	325	215	220	259	228	253	191	109	93	99	104	75	63	113	108	105	96	96	205	85	104	184	
S.Reserve Total		1038	1088	698	952	854	884	942	1036	1298	1385	1468	1554	1396	1250	1673	2119	2064	1773	1732	1452	1204	1076	930	