

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,594 MW
Hydro	1,858 MW
Distillate	123 MW
Total TNB	8,655 MW
Total IPP	9,281 MW
Total Co-Gen	76 MW
Total System	18,012 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	69,046	20.07 %
Gas	73,185	21.27 %
Hydro	25,104	7.30 %
Distillate	426	0.12 %
Total TNB	167,761	48.76 %
ST-Coal	64,760	18.82 %
ST-Gas	504	0.15 %
ST-Oil	5,026	1.46 %
Gas	98,149	28.53 %
Distillate	7,984	2.32 %
Total IPP	176,423	51.28 %
Co-Gen	385	0.11 %
Total Co-Gen	385	0.11 %
Total Generation	344,569	100.15 %
PLTG	-217	-0.06 %
HVDC	729	0.21 %
Interconnection	512	0.15 %
Net Energy	344,057	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:	15:30:00 Hour
Total Set On Bus	17,334 MW
TNB Generation	7,806 MW
IPP Generation	8,581 MW
Spinning Reserve	932 MW
Maximum Demand	16,418 MW
Net Energy	344,057 MWH
Load Factor	87.31 %

Fuel Cost

Total Cost:	58,676,602.66 RM
Cost per Unit	18.36 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	626
Hydro	257
Syncon	136
Thermal	140
Total	1,159

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	8	CBPS	5
CBPS	38	PDPS	39
GLGR	58	PTEK	10
PAKA	140	SGB3	17
PGGS	5	SGRI	15
PGPS	44	PKLG	48
SRDG	62	Total	133
TJGS	215		
Total TNB	569		
KLPP	110		
MPSS	57		
PDPS	5		
PGLA	114		
PKLG	13		
PLPS	106		
PTEK	25		
SGB3	49		
SGRI	181		
SKSP	56		
YPKA	67		
PKLG	5		
Total IPP	787		
Total Gas	1,356		
Total Gas Required	1,489		

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	13927	13209	12762	12318	12035	11910	11977	11736	12492	14327	15352	15938	15999	15612	16166	16257	16335	15919	14902	14551	15515	15405	15050	14663

Daily MW Generation on Thursday

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																								
KNRG	HY03	22	22	22	21	21	21	22	21	22	21	22	23	22	22	23	22	21	21	23	30	30	31	32	32	34	37	37	37	37	37	37	37	37	37	37	37	37											
KNYR	HY01	100	100	100	100	100	98	100	100	100	100	100	100	100	100	100	100	100	100	100	93	91	100	100	100	100	100	100	100	98	96	100	100	93	99	98	94												
KNYR	HY02	100	100	100	100	100	101	100	100	100	100	100	101	101	102	100	100	100	100	102	101	102	98	98	100	100	100	101	100	99	100	100	99	100	99	100	99	99											
KNYR	HY03	100	100	100	100	99	97	100	101	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	92	91	100	100	100	100	98	96	100	100	93	100	97	94									
KNYR	HY04	100	100	100	100	100	98	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	94	92	100	100	100	100	99	97	100	100	95	100	98	95										
LPIA	HY02	16	16	16	16	16	16	16	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	15	16	16	15	15	16	16	16	16	15	15	16	16	15	16	16								
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	3	3	3	3	6	6	6	6	6	3	3	3	3	3	3	3	3	3	3	3									
PGAU	HY01	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	113	145	113	21	20	20	113	20	20	114	83	84	18	22	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
PGAU	HY02	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	82	81	145	110	111	111	111	111	111	111	111	71	21	21	20	111	111	111	111	111	111	110	110	110	-1									
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	145	111	-1	-1	-1	112	23	80	81	80	112	109	106	111	21	21	111	111	111	80	80	80	80	79	71									
PGAU	HY04	-1	21	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	21	-1	112	111	146	111	111	111	111	111	111	112	112	113	109	107	112	21	20	111	111	111	80	80	80	80	67								
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	0	0	30	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0									
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	0	0	30	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0									
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	0	0	30	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0									
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	16	16	0	0	16	16	16	25	16	16	0	0	0	0	0	0	0	0	0	0									
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	16	16	0	0	16	16	16	25	16	16	0	0	0	0	0	0	0	0	0	0									
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	16	16	0	0	16	16	16	25	16	16	0	0	0	0	0	0	0	0	0	0									
TMGR	HY01	83	84	85	86	83	82	62	61	59	0	0	0	0	0	84	83	85	84	85	79	81	79	84	79	81	83	85	85	85	72	49	63	61	61	85	80	79	85	84	76	82	81	57					
TMGR	HY02	82	84	85	86	84	82	64	61	60	-1	-1	-1	-1	-1	82	82	86	84	88	79	80	80	83	79	82	82	87	84	86	71	47	63	61	60	88	83	81	86	85	78	84	82	56					
TMGR	HY03	82	86	86	87	83	80	64	62	61	28	-1	-1	-1	-1	84	83	86	85	87	81	81	81	84	80	83	84	87	85	87	72	50	62	62	61	87	82	78	86	86	80	84	82	55					
TMGR	HY04	79	81	82	82	79	77	62	59	57	42	32	32	34	35	29	32	37	42	81	80	82	81	82	77	78	77	79	79	82	81	82	70	56	62	60	59	81	78	75	81	79	74	79	77	55			
UPIA	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4					
Total Hydro		879	928	891	897	902	890	830	821	812	644	630	603	608	611	549	426	453	597	716	981	1039	1276	1384	1647	1478	1232	1135	1159	1490	1348	1413	1553	1487	1529	1340	1063	1130	920	915	1303	1280	1263	1239	1234	1185	1226	1212	971
CBPS	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PDPS	GT02	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	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	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	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	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	0	0	0	0	0	
SGB3	GT33	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	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	17	17	17	17	18	17	18	18	17	18	18	18	18	18	18	18	18	18	18	17	17	17	16	16	16	16	16	15	15	15	15	16	14	14	14	13	14	13	14	15	14	15	15	16	15	14	15	14
Total Co-Gen		17	17	17	17	18	17	18	18	17	18	18	18	18	18	18	18	18	18	18	17	17	17	16	16	16	16	15	15	15	15	16	14	14	14	14	13	14	15	14	15	14	15	16	15	14	15	14	
Total Gen		13891	13516	13253	12965	12790	12651	12366	12217	12035	11902	11894	11929	12014	12167	11816	11856	12480	13394	14209	14821	15313	15726	15972	16267	16074	15724	15646	15791	16233	16274	16264	16402	16323	16358	16000	15519	14952	14551	14585	15434	15559	15503	15390	15296	15087	14924	14700	14187
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	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	31	31	31	30	30	31	31	31	30	30	30	30	30	30	30	31	31	30	30	31	31	30	31	31	31	31	31	31	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	30	
TIE-PLTG		-66	-18	14	-37	6	18	-21	-31	-16	-46	28	7	-18	50	47	-42	-12	-147	-14	-69	-16	5	47	44	-32	4	-85	36	-30	-23	-46	-43	51	51	16	20	-35	4	20	13	-47	-45	26					

Daily MW Generation on Thursday

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																								
SRev Co-Gen		27	27	27	27	26	27	26	26	26	26	26	26	26	27	27	27	28	28	28	28	29	29	29	29	29	29	28	30	30	30	30	31	30	29	30	29	29	28	29	30	29	30						
Syncon		604	302	604	604	604	453	453	453	453	540	476	627	627	627	627	627	476	476	453	453	302	151	0	0	151	151	151	0	0	0	0	0	0	0	0	0	151	151	151	151	151	151	151	151	151	302		
Hydro		65	318	53	47	81	94	154	163	172	167	245	121	116	113	129	252	225	278	234	78	120	234	277	165	334	354	301	277	272	464	399	259	325	283	472	524	457	516	521	133	156	173	197	202	251	210	224	314
S.Reserve Total		1695	1461	1564	1507	1537	1317	1603	1747	1933	1980	2024	2057	1972	1819	2267	2499	2310	2033	1338	1119	1166	1062	1048	1017	1210	1430	1358	1213	1237	1246	1156	932	1228	1193	1581	1519	1977	2255	2221	1372	1217	1273	1060	1154	1363	1094	1209	1377