

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,594 MW
Hydro	1,736 MW
Distillate	0 MW
Total TNB	8,410 MW
Total IPP	9,892 MW
Total Co-Gen	88 MW
Total System	18,390 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	69,798	20.84 %
Gas	68,473	20.45 %
Hydro	14,481	4.32 %
Total TNB	152,752	45.62 %
ST-Coal	90,449	27.01 %
ST-Gas	3,113	0.93 %
Gas	88,439	26.41 %
Total IPP	182,001	54.35 %
Co-Gen	935	0.28 %
Total Co-Gen	935	0.28 %
Total Generation	335,688	100.25 %
PLTG	104	0.03 %
HVDC	730	0.22 %
Interconnection	834	0.25 %
Net Energy	334,854	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:	16:00:00 Hour
Total Set On Bus	17,492 MW
TNB Generation	7,283 MW
IPP Generation	8,898 MW
Spinning Reserve	1,275 MW
Maximum Demand	16,238 MW
Net Energy	334,854 MWH
Load Factor	85.92 %

Fuel Cost

Total Cost:	48,795,261.14 RM
Cost per Unit	15.19 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	300
Hydro	236
Syncon	458
Thermal	166
Total	1,160

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	23
CBPS	48
GLGR	49
PAKA	149
PGPS	24
SRDG	17
TJGS	219
Total TNB	530
KLPP	7
MPSS	54
PDPS	38
PGLA	113
PKLG	28
PLPS	72
PTEK	34
SGB3	92
SGRI	169
YPKA	114
PKLG	31
Total IPP	753
Total Gas	1,282
Total Gas Required	1,282

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	12815	12190	11605	11383	11173	11032	11283	11413	12194	14191	15013	15632	15725	15269	15815	16129	16238	15698	14656	14678	15478	15366	14797	14359

Daily MW Generation on Monday

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		
KNYR	HY03	0	0	0	0	0	0	0	0	0	65	96	95	95	96	95	96	96	96	95	0	0	96	95	95	95	95
KNYR	HY04	57	48	59	97	92	97	59	68	-1	-1	-1	-1	-1	61	53	68	67	73	73	77	95	95	95	95	96	
LPIA	HY01	9	8	9	10	10	10	9	9	10	9	9	10	10	10	11	11	9	11	6	8	8	9	8	7	8	
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
MNOR	HY01	6	6	6	6	6	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	21	113	21	86	114	112	113	22	0	0	114	115	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
PGAU	HY03	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
PGAU	HY04	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
SIHY	HY01	50	50	50	50	50	24	0	0	0	0	0	0	0	50	50	50	50	50	50	0	0	50	50	50		
SIHY	HY02	50	50	50	50	50	50	0	0	0	0	0	0	0	50	50	50	50	50	50	0	0	50	50	50		
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	0	0	0	16	16	16	16		
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	0	0	0	16	16	16	16		
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	0	0	0	16	16	16	16		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	0	0	0	16	16	16	16		
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	66	58	66	63	55	29	-1	-1	35	79	79		
TMGR	HY02	30	23	30	33	34	33	32	31	35	31	32	31	34	39	39	36	28	41	36	40	66	58	66	65		
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	64	57	64	64	56	30	0	0	39	81	80		
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	4	4	4		
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0		
Total Hydro		421	402	309	350	323	302	183	273	190	204	183	182	185	194	193	191	173	408	657	869	845	982	1112	1254		
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		
PCUF	CUFG	15	16	15	16	16	16	17	19	18	19	20	19	19	17	20	20	20	20	19	19	18	18	18	17		
PCUF	CUFK	23	22	22	23	22	22	23	21	25	23	23	23	22	22	23	25	23	23	21	24	21	21	20	21		
Total Co-Gen		38	38	37	39	38	38	40	40	41	42	43	42	42	39	42	43	45	43	42	40	42	39	38	38		
Total Gen		12902	12543	12234	11858	11720	11601	11430	11319	11216	11056	11093	11187	11293	11597	11462	11568	12309	13360	14106	14615	15035	15415	15620	15929		
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		
TIE-HVDC		30	30	31	31	30	30	30	30	30	30	31	31	31	31	31	31	30	30	31	31	31	30	30	30		
TIE-PLTG		57	36	13	-37	85	19	17	71	12	-8	31	-1	-20	-7	18	-20	84	0	-115	-70	-8	-25	-43	-47		
Interconnection		87	66	44	-7	115	49	47	101	43	22	61	29	10	24	49	11	115	31	-85	-40	22	6	-12	-16		
System Total		12815	12477	12190	11865	11605	11552	11383	11218	11173	11034	11032	11158	11283	11573	11413	11557	12194	13349	14191	14655	15013	15409	15632	15945		
SRev ST-Coal		83	180	59	69	72	69	65	198	95	170	79	72	66	25	65	65	119	7	-17	30	36	125	132	216		
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	0		
SRev CCGT-Gas		399	427	623	913	918	1019	1077	1075	1099	1335	1356	1458	1361	1104	1198	1563	920	637	280	143	149	262	225	284		
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	30	30	32	34	38		
SRev Co-Gen		50	50	51	49	50	50	48	48	47	46	45	46	46	49	46	45	46	48	46	49	49	50	50	51		
Syncon		726	726	726	575	726	726	726	575	827	676	827	827	827	827	726	726	474	474	388	388	388	86	388	539		
Hydro		113	132	101	211	87	108	127	288	119	256	126	127	124	115	116	119	137	304	379	167	362	325	195	349		
S.Reserve Total		1371	1515	1560	1817	1853	1972	2043	2184	2187	2483	2433	2530	2424	2120	2255	2518	1945	1467	1165	858	1006	1167	1021	1073		