

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,562 MW
Hydro	1,695 MW
Distillate	0 MW
Total TNB	8,337 MW
Total IPP	10,515 MW
Total Co-Gen	0 MW
Total System	18,852 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,513	19.89 %
Gas	56,632	16.68 %
Hydro	12,422	3.66 %
Total TNB	136,567	40.23 %
ST-Coal	79,779	23.50 %
ST-Gas	4,338	1.28 %
Gas	116,564	34.34 %
Total IPP	200,681	59.12 %
Co-Gen	1,605	0.47 %
Total Co-Gen	1,605	0.47 %
Total Generation	338,853	99.82 %
PLTG	-6	0.00 %
HVDC	-612	-0.18 %
Interconnection	-618	-0.18 %
Net Energy	339,471	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	17,529 MW
TNB Generation	6,580 MW
IPP Generation	9,639 MW
Spinning Reserve	1,240 MW
Maximum Demand	16,369 MW
Net Energy	339,471 MWH
Load Factor	86.41 %

Fuel Cost

Total Cost:	56,726,352.13 RM
Cost per Unit	17.37 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	453
Hydro	496
Syncon	266
Thermal	50
Total	1,265

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
CBPS	12
CBPS	28
GLGR	19
PAKA	146
PGPS	42
SRDG	34
TJGS	163
Total TNB	443
KLPP	103
MPSS	59
PDPS	36
PGLA	117
PKLG	19
PLPS	103
PTEK	30
SGB3	77
SGRI	212
SKSP	51
YPGS	68
YPAK	56
PKLG	42
Total IPP	973
Total Gas	1,416
Total Gas Required	1,416

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	13243	12656	12002	11642	11502	11344	11654	11509	12382	14379	15358	16095	15976	15631	16146	16295	16218	15797	14628	14460	15413	15369	14893	14302

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																										
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	22	22	23	22	22	22	21	21	22	21	22	22	21	21	20	22	21	22	22	21	22	22	22	22	22								
KNYR	HY01	98	97	100	99	96	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	98	97	99	84	84	85	82	83	81	79	81	85	82	79	82	81	81	76	-1	-1	-1	100	99	100	100	99	60	61	61	61	61				
KNYR	HY03	98	96	101	99	95	96	97	0	0	0	0	0	0	0	98	98	100	101	101	101	101	101	101	101	99	101	101	101	100	100	101	101	96	96	100	101	101	99	101	99	98	100	100	101	100	101	100			
KNYR	HY04	0	0	0	0	0	0	55	53	54	53	55	62	62	61	61	63	99	99	98	100	86	86	86	83	84	83	79	83	86	82	80	81	81	82	76	77	60	61	64	59	61	59	59	60	61	62	61	61		
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16			
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	8	8	8	8	8	8	8	7	7	5	5	5	5	4	4	4	4	4	4	4	8	8	8	8	8	7	7	3	3		
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	59	26	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	21	21	21	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
PGAU	HY04	-1	-1	-1	-1	16	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
SIHY	HY01	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	0	
SIHY	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	0	0	0	0	0	0	0	0	0	0	0	0	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	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	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
TMGR	HY01	53	30	34	32	28	31	29	29	27	28	28	29	37	34	33	36	37	57	54	50	67	54	52	55	49	53	50	46	51	62	58	56	60	59	58	50	25	37	37	62	56	60	58	57	51	34	35	33		
TMGR	HY03	55	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	56	55	55	67	52	52	52	50	50	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	56	55	55	65	52	52	50	51	49	47	50	61	59	58	58	58	54	32	35	36	61	57	58	56	56	53	56	53	36	36	35	35	35		
UPIA	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
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	4	4	4	4	4		
Total Hydro		424	298	309	304	310	201	199	158	154	155	174	180	173	171	170	173	175	507	725	813	857	800	902	925	872	627	537	611	626	802	724	734	664	632	633	597	418	421	429	604	877	888	881	765	623	492	492	488		
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	0	0	0
PCUF	CUFG	49	49	47	48	48	48	47	48	48	48	49	49	48	48	48	47	46	44	45	44	44	44	44	44	44	45	45	44	43	44	44	44	47	48	48	48	49	48	47	51	51	50	50	51	50	51	51	51		
PCUF	CUFK	10	11	10	8	10	9	6	10	11	10	10	10	19	18	23	24	24	25	24	23	25	25	25	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	
Total Co-Gen		59	60	57	56	58	57	56	54	58	59	60	58	58	59	67	66	71	71	70	68	70	68	67	69	69	70	71	70	68	70	70	71	73	71	74	74	72	70	76	76	75	74	78	74	75	77	77	77	77	
Total Gen		13289	12902	12650	12403	11948	11934	11664	11534	11498	11500	11368	11272	11634	11631	11534	11654	12298	13450	14398	14973	15310	15816	16041	16194	15999	15732	15626	15827	16067	16289	16242	16142	16121	16144	15736	15204	14652	14388	14410	15238	15385	15412	15389	15111	14839	14604	14284	13866		
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	0	
TIE-HVDC		30	31	31	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		17	12	-37	25	-24	28	51	-11	25	11	53	-14	9	22	54	-13	-55	10	47	89	-18	-11	-24	25	53	13	24	-2	-50	-52	-24	-48	-67	-35	-32	37	53	-44	-21	-78	1	-4	49	-6	-25	35	11	-73		
Interconnection		46	43	-6	-4	-54	-1	22	-40	-4	-18	24	-44	-20	-7	25	-42	-84	-19	19	59	-48	-40	-54	-5	23	-16	-5	-31	-79	-81	-53	-78	-97	-64	-61	8	24	-73	-50	-107	-28	-33	20	-35	-54	6	-18	-102		
System Total		13243	12859	12656	12407	12002	11935	11642	11574	11502	11518	11344	11316	11654	11638	11509	11696	12382	13469	14379	14914	15358	15856	16095	16199	15976	15748	15631	15858	16146	16370	16295	16220	16218	16208	15797	15196	14628	14461	14460	15345	15413	15445	15369	15146	14893	14598	14302	13968		
SRev ST-Coal		49	69	40	71	61	66	68	61	80	63	68	92	51	54	64	59	44	107	52	50	55	7	38	26	51	60	-3	-46	49	45	41	57	50	59	93	59	60	43	69	57	37	30	51	41	21	53	58	28		
SRev OCGT-G																																																			