

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,338 MW
Hydro	1,671 MW
Distillate	0 MW
Total TNB	8,089 MW
Total IPP	11,263 MW
Total Co-Gen	0 MW
Total System	19,352 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	70,743	20.49 %
Gas	57,074	16.53 %
Hydro	12,082	3.50 %
Total TNB	139,899	40.53 %
ST-Coal	91,830	26.60 %
ST-Gas	5,705	1.65 %
Gas	107,074	31.02 %
Total IPP	204,609	59.27 %
Co-Gen	1,474	0.43 %
Total Co-Gen	1,474	0.43 %
Total Generation	345,982	100.23 %
PLTG	57	0.02 %
HVDC	729	0.21 %
Interconnection	786	0.23 %
Net Energy	345,196	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	17,915 MW
TNB Generation	6,604 MW
IPP Generation	10,016 MW
Spinning Reserve	1,233 MW
Maximum Demand	16,644 MW
Net Energy	345,196 MWH
Load Factor	86.42 %

Fuel Cost

Total Cost:	55,997,294.43 RM
Cost per Unit	16.77 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	444
Hydro	430
Syncon	396
Thermal	43
Total	1,313

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	2
CBPS	56
GLGR	55
PAKA	140
PGPS	42
SRDG	51
TJGS	104
Total TNB	451
KLPP	98
MPSS	52
PDPS	24
PGLA	87
PKLG	18
PLPS	97
PTEK	24
SGB3	36
SGRI	200
SKSP	54
YPGS	63
YPKA	88
PKLG	54
Total IPP	897
Total Gas	1,348
Total Gas Required	1,348

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	13617	13092	12560	12241	11930	11772	11924	11832	12421	14395	15406	16087	16094	15640	16310	16587	16514	15989	14923	14668	15600	15487	14997	14565

Daily MW Generation on Tuesday

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	HY02	38	38	38	38	26	26	26	26	25	26	26	26	27	26	26	26	24	23	23	23	25	23	24	23	24	23	23	22	23	22	23	22	24	23	24															
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	22	21	22	21	21	20	22	22	22	23	23	21	21	21	21	20	0	0	0										
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	101	100	100	98	100	99	100	98	93	95	100	100	100	100	58	64	65	-1	-1	101	100	100	98	62	53	60	61	60								
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	101	98	100	99	101	98	93	94	101	100	101	101	101	97	101	101	0	0	72	100	100	98	101	93	100	100	0								
KNYR	HY04	57	75	61	61	58	62	58	61	58	56	58	58	61	97	62	58	102	101	80	100	59	79	85	100	68	84	67	100	80	100	100	100	100	98	58	100	101	100	102	101	96	100	85	88	53	101	98	61		
LPJA	HY02	16	16	16	16	16	16	15	15	16	16	15	15	16	16	15	15	16	16	15	15	16	16	16	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	15	15	15	15					
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5						
PGAU	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					
PGAU	HY02	-1	-1	-1	-1	-1	-1	20	-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	20	-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	-1	20	-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				
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			
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			
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			
SYPS	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		
SYPS	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		
SYPS	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		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TMGR	HY01	31	37	35	33	33	36	33	32	31	30	30	32	35	37	31	33	47	40	37	40	35	32	31	36	30	33	30	42	33	42	83	40	35	33	29	39	41	37	43	40	32	33	31	33	27	32	32	31		
TMGR	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			
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	-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	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		178	203	186	185	182	176	190	192	188	163	166	167	173	214	179	198	238	329	493	548	553	666	681	789	735	563	477	557	760	822	1204	757	750	763	665	755	713	535	552	781	846	789	767	742	674	682	596	272		
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	
PCUF	CUFK	52	52	52	52	51	52	53	51	51	51	53	52	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51		
PCUF	CUFK	10	10	12	10	9	10	12	10	10	9	10	10	10	10	10	10	10	10	10	9	10	10	10	9	10	10	11	9	10	11	10	10	11	10	11	10	11	10	11	9	10	9	10	10	10	9	9	9	10	10
Total Co-Gen		62	62	64	62	60	62	65	61	61	62	62	61	61	61	62	60	61	61	61	62	60	61	61	60	61	61	61	62	60	61	62	63	62	63	62	63	62	63	61	61	61	62	61	59	60	61	60	61	61	61
Total Gen		13650	13313	13021	12775	12643	12407	12190	12089	11993	11813	11792	11874	11970	12187	11883	11891	12404	13576	14452	14986	15419	15860	16127	16302	16125	15813	15718	15970	16426	16682	16648	16606	16537	16481	16030	15515	14930	14587	14660	15471	15631	15603	15590	15393	15096	14801	14611	14291		
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	30	30	31	31	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	30	30	30	30	30	30	29	30	30	31	31	30	30	30	30	30	30	30	30	
TIE-PLTG		3	-64	-101	-3	52	-16	-82	14	33	24	-10	23	15	35	21	-23	-48	21	27	2	-18	21	10	-21	0	-55	48	42	86	8	31	-30	-7	15	11	-21	-22	-6	-38	-14	0	-6	73	7	69	12	16	-18		
Interconnection		33	-34	-71	28	83	15	-51	45	63	54	20	54	46	65	51	8	-17	51	57	33	13	51	40	10	31	-25	78	72	116	38	61	0	23	46	41	9	7	23	-8	16	31	24	103	37	99	43	46	12		
System Total		13617	13347	13092	12747	12560	12392	12241	12044	11930	11759	11772	11820	11924	12122	11832	11883	12421	13525	14395	14953	15406	15809	16087	16292	16094	15838	15640	15898	16310	16644	16587	16606	16514	16435	15989	15506	14923	14564	14668	15455	15600	15579	15487	15356	14997	14758	14565	14279		
SRev ST-Coal		62	43	45	37	61	28	-20	35	-43	-44	-54	-50	27	13	34	-24	-111	-45	38	-10	33	32	24	22	31	40	35	-3	50	41	85	58	86	53	35	81	17	11	-6	34	61	43	53	40	57	85	102	70		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	96	96	55	132	282	288	296	240	57	123	120	125	178	342	255	185	249	173	43	41	30	20	204	125	100	0	0	0	
SRev CCGT-Gas		589	411	441																																															