

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,868 MW
Hydro	1,506 MW
Distillate	0 MW
Total TNB	8,454 MW
Total IPP	10,455 MW
Total Co-Gen	0 MW
Total System	18,909 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,362	19.98 %
Gas	63,025	18.70 %
Hydro	9,811	2.91 %
Total TNB	140,198	41.59 %
ST-Coal	78,815	23.38 %
ST-Gas	5,808	1.72 %
Gas	109,748	32.56 %
Total IPP	194,371	57.66 %
Co-Gen	1,853	0.55 %
Total Co-Gen	1,853	0.55 %
Total Generation	336,422	99.80 %
PLTG	46	0.01 %
HVDC	-705	-0.21 %
Interconnection	-659	-0.20 %
Net Energy	337,081	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	17,275 MW
TNB Generation	6,659 MW
IPP Generation	9,404 MW
Spinning Reserve	1,135 MW
Maximum Demand	16,165 MW
Net Energy	337,081 MWH
Load Factor	86.88 %

Fuel Cost

Total Cost:	57,480,649.82 RM
Cost per Unit	17.59 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	486
Hydro	481
Syncon	241
Thermal	48
Total	1,256

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Cloudy	26

Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	15
PAKA	174
PGPS	41
SRDG	50
TJGS	160
Total TNB	498

KLPP	101
MPSS	59
PDPS	19
PGLA	107
PKLG	20
PLPS	97
PTEK	9
SGB3	71
SGRI	204
SKSP	48
YPGS	68
YPKA	67
PKLG	56
Total IPP	925
Total Gas	1,423
Total Gas Required	1,423

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	13394	12784	12441	12058	11718	11490	11713	11625	12326	14006	14946	15702	15635	15331	15816	16044	16088	15625	14518	14414	15304	15216	14653	14009

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																									
KNYR	HY01	0	0	0	0	0	20	58	58	-1	-1	-1	-1	-1	-1	-1	-1	100	96	94	96	98	94	100	72	60	90	55	53	80	82	73	57	-1	-1	-1	-1	28	100	99	100	100	98	-1	-1	-1				
KNYR	HY03	98	100	98	98	100	100	0	0	0	0	0	0	0	0	0	0	100	96	94	96	98	94	100	99	100	100	95	93	98	96	98	97	0	0	0	0	0	100	99	100	101	98	94	38	0				
KNYR	HY04	59	92	71	74	96	61	61	58	59	55	50	61	61	69	59	60	64	66	57	63	97	96	97	99	95	100	99	66	65	55	53	59	65	80	58	60	58	61	59	83	62	59	64	81	58	54	59	63	
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	15		
MNOR	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		
PGAU	HY01	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	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	21	21	21	
PGAU	HY02	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	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	HY04	21	-1	-1	-1	-1	-1	-1	-1	-1	21	20	22	22	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	
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	0	0	0	0	0	0	0	0	0	0	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	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	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	0
TMGR	HY01	32	35	34	34	35	34	33	32	33	28	23	32	34	36	34	34	34	36	30	33	29	28	28	31	25	35	32	32	33	28	23	33	34	34	46	47	46	35	30	28	31	33							
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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		313	310	285	289	314	278	297	230	233	185	173	196	199	210	196	176	180	184	167	378	477	662	798	773	748	630	594	647	740	673	686	686	649	576	531	212	215	220	222	273	694	632	630	505	445	302	254	200	
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	
PCUF	CUFG	51	51	51	50	51	50	50	49	50	50	50	50	50	49	49	49	48	48	47	46	45	46	47	47	47	47	47	47	46	43	44	44	44	45	44	44	44	44	44	44	44	46	45	46	46	46	45		
PCUF	CUFK	25	30	28	30	31	29	30	31	28	31	29	29	29	30	29	29	31	30	30	30	31	31	31	30	30	30	30	30	30	29	30	30	30	29	30	29	30	29	30	29	31	30	29	30	28	30	29		
Total Co-Gen		76	81	79	80	82	79	80	81	77	81	79	79	80	79	79	80	78	78	77	76	77	78	77	77	77	77	77	76	72	74	75	73	74	73	74	73	75	76	74	76	74	76	74	74	74	74			
Total Gen		13329	13092	12701	12614	12391	12128	12007	11797	11698	11590	11493	11593	11689	11901	11637	11724	12312	13318	13991	14530	14973	15342	15702	15834	15682	15387	15291	15586	15769	16140	16052	15965	16035	15651	15578	15070	14480	14297	14399	15045	15263	15188	15178	14871	14655	14203	13873	13688	
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		-29	-29	-29	-29	-29	-29	-30	-30	-29	-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
TIE-PLTG		-36	-57	-54	-23	-21	-11	-21	-2	10	23	32	41	6	33	41	13	15	0	13	8	57	47	30	10	76	17	-11	21	-18	3	37	21	-24	11	-18	-16	-8	-30	14	-57	-12	7	-8	4	32	35	-106	-32	
Interconnection		-65	-86	-83	-52	-50	-40	-51	-32	-20	-6	3	12	-24	4	12	-16	-14	-28	-15	-22	27	17	0	-19	47	-12	-40	-8	-47	-26	8	-9	-53	-18	-47	-46	-38	-59	-15	-86	-41	-23	-38	-26	2	5	-136	-61	
System Total		13394	13178	12784	12666	12441	12168	12058	11829	11718	11596	11490	11581	11713	11897	11625	11740	12326	13346	14006	14552	14946	15325	15702	15853	15635	15399	15331	15594	15816	16166	16044	15974	16088	15669	15625	15116	14518	14356	14414	15131	15304	15211	15216	14897	14653	14198	14009	13749	
SRev ST-Coal		34	24	44	27	15	23	30	40	87	88	56	34	31	15	15	46	49	39	36	48	50	51	43	37																									