

Availability at Daily Maximum Demand Hour

ST-Coal	3,000 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,940 MW
Hydro	2,102 MW
Distillate	0 MW
Total TNB	10,042 MW
Total IPP	8,280 MW
Total Co-Gen	28 MW
Total System	18,920 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,862	19.52 %
Gas	89,526	25.75 %
Hydro	9,704	2.79 %
Total TNB	167,092	48.06 %
ST-Coal	105,819	30.44 %
Gas	74,798	21.51 %
Total IPP	180,617	51.95 %
Co-Gen	500	0.14 %
Total Co-Gen	500	0.14 %
Total Generation	348,209	100.16 %
PLTG	-146	-0.04 %
EGAT	-34	-0.01 %
HVDC	725	0.21 %
Interconnection	545	0.16 %
Net Energy	347,664	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	18,054 MW
TNB Generation	8,406 MW
IPP Generation	8,212 MW
Spinning Reserve	1,417 MW
Maximum Demand	16,599 MW
Net Energy	347,664 MWH
Load Factor	87.27 %

Fuel Cost

Total Cost:	51,293,230.00 RM
Cost per Unit	15.15 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	399
Hydro	258
Syncon	773
Thermal	154
Total	1,584

Time	Weather	Temperature
Afternoon	Hot	30
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	3
CBPS	53
GLGR	53
NPRI	94
PAKA	202
PGGS	5
PGPS	41
SRDG	21
TJGS	205
Total TNB	677
KLPP	97
MPSS	51
PGLA	90
PKLG	5
PLPS	93
SGB3	35
SGRI	162
SKSP	50
Total IPP	583
Total Gas	1,260
Total Gas Required	1,260

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	14079	13324	12824	12318	11988	11915	12029	12029	12470	14153	15219	15916	15913	15645	16226	16579	16583	16180	14915	14613	15800	15746	15466	15023

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																										
MAH	U001	702	700	707	700	701	702	702	703	700	702	703	702	702	699	702	706	700	707	697	694	695	693	702	703	701	696	696	690	692	694	690	696	697	699	700	702	689	694	702	702	701	703	699	702	700	703	705	702	705	705
MAH	U002	707	702	706	702	704	703	704	705	701	702	704	703	703	705	702	707	704	702	706	705	702	705	704	707	702	705	698	701	704	703	714	706	704	700	703	705	703	705	703	705	701	702	705	705	701	702	705	705		
JMUG	U001	679	679	678	678	678	680	677	679	679	682	679	680	680	678	678	680	678	679	677	677	679	678	678	677	678	680	683	678	678	679	678	681	679	680	681	675	680	682	681	678	680	680	682	679	679	678	678			
JMUG	U002	677	678	677	675	677	678	679	673	673	675	675	678	673	678	676	677	677	674	673	676	678	678	673	677	678	677	676	677	664	644	644	644	649	642	641	643	640	643	644	643	644	651	634	651	640	645	642	645		
JMUG	U003	676	674	675	678	670	673	667	678	678	674	681	668	677	672	673	671	675	682	672	669	672	638	637	639	644	649	643	635	642	650	646	639	640	634	632	646	653	640	626	641	645	638	635	591	562	601	633	668		
JMUG	U004	789	789	792	789	791	791	792	791	791	789	789	791	791	788	789	789	790	791	849	862	860	862	862	862	861	860	862	862	861	860	862	861	862	858	857	857	859	862	860	859	857	858	857	858	857	857	856	860		
PKLG	U003	279	283	279	279	281	283	279	278	278	280	280	282	280	282	280	282	283	281	283	277	281	283	285	279	281	282	281	283	284	286	290	284	280	280	282	282	280	282	280	280	282	282	283	263	261	263				
PKLG	U004	281	281	281	281	280	279	279	277	279	276	279	280	278	279	279	280	283	278	278	279	279	280	281	283	279	281	279	281	282	282	282	282	281	281	281	279	280	277	277	277	279	277	279	277	279					
PKLG	U005	466	466	466	466	469	466	466	466	469	466	466	466	466	469	466	466	466	469	466	466	466	466	469	466	466	469	469	466	465	466	459	466	469	469	466	466	472	469	469	466	466	469	476	467	466	466				
TBIN	U001	699	700	698	702	695	704	695	694	698	697	698	699	698	696	698	698	699	701	697	699	697	700	688	698	697	698	699	697	700	699	694	699	692	697	697	697	695	698	693	699	699	694	699	690	698	697	697	698		
TBIN	U003	700	700	698	699	703	697	697	700	699	699	697	700	696	697	699	700	692	699	702	694	695	700	697	697	701	695	699	700	697	701	704	700	702	705	702	702	701	700	705	703	701	703	701	702	702	703				
TBIN	U004	725	695	694	684	685	679	680	681	681	676	680	680	657	685	681	683	689	675	751	746	746	739	737	738	610	484	504	513	362	360	355	362	319	344	300	302	299	314	488	554	574	588	592	590	588	592	585	584		
Total ST-Coal		7380	7347	7351	7333	7335	7336	7317	7327	7324	7322	7331	7323	7304	7325	7325	7333	7337	7343	7456	7445	7456	7419	7404	7431	7297	7174	7193	7188	7030	7022	7000	7011	6975	6985	6944	6965	6956	6968	7133	7211	7234	7246	7225	7200	7162	7187	7207	7251		
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 ST-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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	GT1A	87	87	87	87	87	88	87	87	87	88	88	87	87	87	88	88	87	87	88	88	87	96	94	94	94	93	93	93	89	88	90	85	86	86	86	87	86	86	86	95	97	97	97	97	97	97	97	90		
CBPS	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	50	80	92	92	92	92	91	89	89	89	89	87	89	85	86	86	86	86	86	86	87	92	93	93	93	93	93	93	93	77		
CBPS	ST1C	38	40	40	40	39	40	40	40	40	39	40	40	40	40	40	40	40	82	99	99	99	98	98	96	97	96	94	90	91	89	89	90	90	90	90	90	90	90	90	95	100	101	101	101	101	101	103	69		
CBPS	BLK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GLGR	GT01	106	108	69	68	70	67	68	68	67	68	69	69	68	68	96	107	106	107	108	106	105	106	105	102	101	98	98	92	99	98	98	98	81	84	83	107	106	107	107	107	107	107	107	107	107	107	108			
GLGR	GT02	107	107	68	69	70	68	68	68	68	68	68	68	68	68	97	107	107	107	107	107	106	106	103	101	97	100	99	98	92	100	99	99	83	82	83	106	106	106	106	106	107	106	107	106	107	107	106			
GLGR	ST1C	96	97	78	71	69	70	70	70	70	70	70	71	70	70	82	96	96	96	97	97	97	97	97	97	95	92	91	89	91	89	86	91	90	80	81	81	92	97	97	97	97	98	98	98	98					
KLPP	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KLPP	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KLPP	GT13	131	131	130	104	104	66	66	65	65	65	65	65	66	65	66	65	66	65	66	93	136	136	135	138	138	139	138	137	138	136	137	137	136	137	137	138	136	117	108	138	137	137	137	136	137	135	136	135		
KLPP	GT14	148	148	148	148	133	133	89	89	80	80	80	80	80	80	80	80	80	80	80	80	119	119	150	150	152	152	152	152	152	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	150		
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	65	147	147	149	149	151	151	149	150	150	150	150	154	154	153	153	153	150	121	150	150	149	149	150	150	148	148	150			
KLPP	ST17	155	134	134	127	123	99	94	93	93	94	91	94	94	94	94	93	94	119	163	203	203	202	202	207	223	229	229	227	227	226	226	226	226	227	227	227	219	187	203	203	202	202	202	202	202	202	202	202		
MPSS	GT01	106	108	90	92	90	90	91	88	90	92	93	92	94	89	91	91	90	89	108	106	106	105	105	104	105	105	105	105	103	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105		
MPSS	GT02	102	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MPSS	ST01	114	52	41	40	38	38	40	39	37	37	38	41	38	42	37	39	40	38	39	111	114	114	114	114	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	114	114	114	114	114	112	
NPRI	BLK1	562	543	560	426	307	313	314	313	314	313	314	313	314	313	314	416	415	416	418	563	564	562	556	554	551	550	546	547	544	544	545	543	550	512																

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	HY04	60	60	61	68	60	59	59	60	56	52	54	67	76	99	58	59	66	57	60	74	69	102	60	71	98	101	101	74	98	100	85	84	61	60	60	60	52	51	61	94	75	76	61	61	63	58	60	94		
LPIA	HY01	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	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
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	16	16	
MNOR	HY01	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	4	
PGAU	HY01	-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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	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	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	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	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	0
TMGR	HY01	-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	-1	
TMGR	HY02	31	32	33	34	33	33	33	34	30	26	28	34	34	39	32	32	33	31	34	33	31	35	33	35	35	36	35	35	34	65	59	60	59	58	57	33	26	26	33	34	77	80	78	78	35	32	33	38		
TMGR	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	0
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	-1	-1	
UPIA	HY01	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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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	4	4
Total Hydro		175	176	179	188	179	177	176	199	168	160	166	186	219	224	174	175	183	173	179	192	207	432	890	817	741	582	484	871	913	1232	1168	1047	1018	831	687	180	161	161	179	213	389	490	474	474	192	182	185	226		
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	2	2	1	2	2	2	2	3	2	2	2	3	2	3	2	1	2	1	1	1	2	1	2	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	
PCUF	CUFK	18	19	19	20	20	19	20	19	19	19	19	19	18	20	18	19	19	19	18	18	17	19	18	20	21	21	21	20	20	18	19	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Total Co-Gen		20	21	20	22	22	21	22	21	22	21	22	21	22	22	20	23	20	20	21	20	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Total Gen		14176	13799	13408	13115	12864	12655	12365	12230	12122	11966	11936	12005	12054	12262	12074	11968	12481	13431	14188	14757	15200	15579	15929	16148	15985	15691	15601	15906	16185	16518	16631	16637	16566	16545	16255	15591	14988	14472	14627	15453	15810	15890	15799	15718	15510	15303	15050	14682		
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	0
TIE-HVDC		31	31	31	30	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	31	31	31	31	31	30	30	29	29	30	30	30	30	31	31	30	30	31	31	30	30	
TIE-PLTG		66	44	55	-1	10	-21	17	8	103	43	-9	11	-4	-4	15	-17	-19	-7	5	-7	-50	-86	-17	-11	41	-22	-73	-126	-71	-98	21	8	-47	4	45	20	43	-58	-16	-40	-21	21	23	-17	14	9	-4	-71		
Interconnection		97	74	84	29	40	9	47	38	134	74	21	41	25	26	45	14	11	23	35	23	-19	-55	13	20	72	7	-44	-96	-41	-67	52	38	-17	34	75	49	73	-28	14	-10	10	51	53	13	44	39	27	-41		
System Total		14079	13725	13324	13086	12824	12646	12318	12192	11988	11892	11915	11964	12029	12236	12029	11954	12470	13408	14153	14734	15219	15634	15916	16128	15913	15684	15645	16002	16226	16585	16579	16599	16583	16511	16180	15542	14915	14500	14613	15463	15800	15839	15746	15705	15466	15264	15023	14723		
SRev ST-Coal		108	139	137	153	152	152	172	161	164	166	137	165	184	160	161	153	150	145	90	164	111	150	164	138	171	193	172	181	338	135	159	127	164	140	131	109	119	154	139	115	141	129	149	174	162	136	95	145		
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	0	0	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		534	549	613	899	1143	1350	1621	1788	1863	2008	2053	1997	1961	1780	1918	2031	1676	1191	844	664	376	184	489	330	318	330	311	421	319																					