

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,759 MW
Hydro	1,740 MW
Distillate	0 MW
Total TNB	7,569 MW
Total IPP	9,631 MW
Total Co-Gen	0 MW
Total System	17,764 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	48,763	15.08 %
Gas	62,438	19.31 %
Hydro	19,114	5.91 %
Total TNB	130,315	40.30 %
ST-Coal	79,249	24.51 %
Gas	110,243	34.09 %
Total IPP	189,492	58.60 %
Co-Gen	753	0.23 %
Total Co-Gen	753	0.23 %
Total Generation	320,560	99.12 %
PLTG	152	0.05 %
HVDC	-2,982	-0.92 %
Interconnection	-2,830	-0.88 %
Net Energy	323,390	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:	21:00:00 Hour
Total Set On Bus	15,379 MW
TNB Generation	6,168 MW
IPP Generation	8,184 MW
Spinning Reserve	999 MW
Maximum Demand	14,607 MW
Net Energy	323,390 MWH
Load Factor	92.25 %

Fuel Cost

Total Cost:	52,229,945.95 RM
Cost per Unit	17.32 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	478
Hydro	112
Syncon	261
Thermal	29
Total	880

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	4
CBPS	24
GLGR	32
PAKA	198
PGPS	43
SRDG	17
TJGS	165
Total TNB	482

KLPP	110
MPSS	63
PDPS	10
PGLA	64
PKLG	10
PLPS	96
PTEK	4
SGB3	59
SGRI	192
SKSP	55
YPGS	68
YPKA	135
Total IPP	867
Total Gas	1,349

Total Gas Required 1,349

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	14190	13657	13200	12610	12319	12319	12172	11744	11374	12618	13478	14007	14059	13843	14120	14138	14240	13916	13714	13620	14168	14607	14519	14357

Daily MW Generation on Saturday

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	97	97	97	92	97	97	92	82	57	94	88	78	59	65	55	72	100	54	56	52	64	66	94	97	60	68	69	89	78	97	73	79	75	61	68	72	93	65	82	58	77	97	83	89	83	76	75	77						
LPIA	HY02	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14					
MNOR	HY01	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6					
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	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	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	-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	50	50	50	0	0	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	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	0	0	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	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	0	0	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	25	25	25	0	0	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	25	25	25	0	0	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	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	85	87	87	87	86	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87		
TMGR	HY03	39	42	42	33	37	35	34	35	30	39	39	31	31	28	36	38	26	44	50	80	81	84	84	78	79	81	81	84	82	82	80	80	78	80	80	64	61	41	54	64	67	66	62	44	56	64	87	87	87	87	87	87		
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	-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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
Total Hydro		693	655	528	490	521	518	415	229	178	247	238	209	181	186	172	223	230	454	479	658	833	1008	1193	1245	1197	1010	1009	1030	1124	1189	1171	1145	1119	1088	1011	1014	839	737	774	990	1122	1291	1256	1263	1257	1212	1151	1291						
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	0			
PCUF	CUFG	3	3	3	7	6	7	6	7	7	7	8	7	6	7	8	6	6	6	8	7	7	6	7	6	7	7	8	8	7	8	8	8	8	8	7	8	8	7	7	7	7	6	7	7	6	7	6	6						
PCUF	CUFK	28	26	28	28	29	28	28	29	28	28	27	28	26	26	28	28	29	28	26	25	24	25	26	24	26	23	20	21	20	18	22	26	24	30	22	22	22	22	19	21	22	21	22	21	22	21	22	21	22	21	23			
Total Co-Gen		31	29	31	35	35	35	34	36	35	35	33	32	35	37	34	32	31	32	32	33	30	33	29	27	28	28	26	29	34	32	38	30	29	30	30	26	28	29	28	28	28	28	29	29	27	29	29	29	29					
Total Gen		14144	13846	13582	13376	13131	12981	12624	12537	12285	12481	12242	12232	12119	12028	11747	11376	11279	12149	12545	12884	13392	13617	13974	14107	14038	13755	13791	13885	14072	14166	14090	14009	13933	13863	13648	13534	13461	13208	13323	13661	13959	14348	14380	14383	14346	14223	14084	14161						
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		-58	-59	-59	-59	-59	-59	-59	-59	-59	-60	-60	-59	-59	-59	-59	-59	-59	-59	-60	-60	-60	-60	-59	-59	-59	-59	-60	-60	-60	-60	-290	-289	-288	-291	-291	-291	-290	-291	-196	-195	-195	-195	-195	-197	-289	-289	-58							
TIE-PLTG		12	-11	-16	-16	-10	86	72	-2	25	3	-18	-19	7	-47	62	-38	-35	58	-14	40	-27	-49	27	0	38	9	7	-6	12	38	11	36	-18	23	23	14	37	-11	-6	-13	-14	-45	-33	-1	24	21	17	50						
Interconnection		-46	-70	-75	-74	-69	28	14	-61	-34	-56	-77	-79	-53	-106	3	-97	-95	-1	-73	-20	-86	-108	-33	-59	-21	-50	-52	-66	-48	-22	-48	-255	-307	-265	-268	-276	-253	-301	-297	-209	-209	-239	-227	-196	-173	-269	-273	-8						
System Total		14190	13916	13657	13450	13200	12953	12610	12598	12319	12537	12319	12311	12172	12134	11744	11473	11374	12150	12618	12904	13478	13725	14007	14166	14059	13805	13843	13951	14120	14188	14138	14264	14240	14128	13916	13810	13714	13510	13620	13870	14168	14587	14607	14579	14519	14492	14357	14169						
SRev ST-Coal		43	-21	-5	41	37	61	109	18	40	86	111	59	36	51	74	46	151	175	52	183	51	52	93	46	44	28	25	15	4	2	14	28	38	36	37	42	36	44	9	31	31	-1	7	14	8	13	26	8						
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	79	110	136	138	136	135	137	136	136	136	135	146	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		370	348	194	320	390	383	317	262	470	319	516	302	408	488	735	1185	1186	741	641	819	549	544	318	370	468	574	540	479	445	417	466	512	551	587	592	565	470	612	566	757	623	459	488	485	525	597	548	585						
SRev 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	0			
SRev Co-Gen		13	15	13	9	9																																																	