

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,024 MW
Hydro	1,711 MW
Distillate	0 MW
Total TNB	7,805 MW
Total IPP	10,948 MW
Total Co-Gen	0 MW
Total System	18,753 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	53,729	18.89 %
Gas	39,771	13.98 %
Hydro	13,491	4.74 %
Total TNB	106,991	37.62 %
ST-Coal	94,147	33.10 %
ST-Gas	149	0.05 %
Gas	81,380	28.61 %
Total IPP	175,676	61.77 %
Co-Gen	1,313	0.46 %
Total Co-Gen	1,313	0.46 %
Total Generation	283,980	99.85 %
PLTG	264	0.09 %
HVDC	-700	-0.25 %
Interconnection	-436	-0.15 %
Net Energy	284,416	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:	20:00:00 Hour
Total Set On Bus	14,348 MW
TNB Generation	4,955 MW
IPP Generation	8,466 MW
Spinning Reserve	872 MW
Maximum Demand	13,519 MW
Net Energy	284,416 MWH
Load Factor	87.66 %

Fuel Cost

Total Cost:	34,173,074.45 RM
Cost per Unit	12.63 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	550
Hydro	189
Syncon	303
Thermal	5
Total	1,047

Time Weather Temperature

Afternoon	Hot	36
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
GLGR	51
PAKA	11
PGPS	24
SRDG	4
TJGS	200
Total TNB	290
KLPP	72
PDPS	2
PGLA	106
PKLG	2
PLPS	79
SGB3	47
SGRI	158
YPGS	68
YPKA	104
Total IPP	639
Total Gas	929
Total Gas Required	929

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	12540	12127	11729	11299	11011	10761	10643	10632	10091	10751	11426	11885	11910	11915	12177	12292	12284	12019	11718	12015	13519	13468	13358	12943

Daily MW Generation on Sunday

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																										
Total Hydro		537	543	546	544	548	548	550	549	556	560	562	568	566	576	582	432	394	559	565	558	405	445	447	447	482	485	448	451	550	683	629	544	483	526	428	447	420	436	379	552	888	798	796	796	789	784	809	624		
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	CUPG	15	15	15	15	16	16	16	15	17	14	16	16	15	16	15	15	15	15	14	14	15	16	15	15	15	13	14	16	14	16	16	15	14	14	15	17	16	14	16	15	14	15	14	13	13	13	15	15		
PCUF	CUPK	42	42	40	40	41	41	41	41	41	41	40	41	41	40	42	40	39	40	39	39	39	40	40	40	37	39	38	39	40	38	37	39	39	39	39	40	39	39	40	40	40	40	39	40	40	40	38	38	39	
Total Co-Gen		57	57	55	55	57	57	56	58	55	56	57	56	56	57	55	54	55	54	53	53	55	56	52	54	53	52	54	54	51	55	55	54	54	53	54	56	56	54	56	55	53	55	54	53	51	53	54			
Total Gen		12555	12347	12095	11842	11675	11526	11238	11061	10977	10683	10684	10594	10609	10806	10621	10290	10141	10348	10754	10983	11394	11555	11899	11948	11912	11881	11871	12023	12124	12368	12252	12189	12286	12121	12014	11842	11725	11813	12003	12826	13476	13452	13457	13395	13328	13166	12982	12688		
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	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-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	
TIE-PLTG		44	-21	-3	-3	-24	16	-32	-26	-4	13	-48	-51	-4	-49	19	47	79	26	33	67	-3	53	43	79	31	27	-16	-21	-24	28	-10	73	31	-50	25	43	36	23	17	-58	-14	42	18	19	-1	-11	69	2		
Interconnection		15	-50	-32	-32	-54	-13	-61	-55	-34	-16	-77	-80	-34	-78	-11	17	50	-3	3	37	-32	24	14	50	2	-2	-44	-50	-53	-1	-40	43	2	-78	-5	14	7	-6	-12	-87	-43	13	-11	-10	-30	-40	39	-27		
System Total		12540	12397	12127	11874	11729	11539	11299	11116	11011	10701	10761	10674	10643	10884	10632	10273	10091	10351	10751	10946	11426	11531	11885	11898	11910	11883	11915	12073	12177	12369	12292	12146	12284	12199	12019	11828	11718	11819	12015	12913	13519	13439	13468	13405	13358	13206	12943	12715		
SRev ST-Coal		89	54	47	54	65	24	83	21	206	301	323	301	327	229	322	396	459	369	352	303	63	50	50	33	33	23	13	20	21	42	-46	-19	-122	1	38	45	18	38	27	-78	-28	30	7	27	10	27	92	24		
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		547	275	328	367	567	816	1279	1534	1554	1746	1624	1586	1507	1433	1519	1607	1637	1740	1356	1168	844	878	672	636	682	725	707	553	550	513	717	783	772	387	501	747	866	1095	877	334	147	152	143	186	241	226	462	784		
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
SRev Co-Gen		19	19	21	21	19	19	19	20	18	21	20	19	20	19	21	22	21	22	23	23	21	20	24	22	23	24	22	22	25	21	21	22	22	23	22	20	20	22	20	21	23	21	22	23	25	23	22			
Syncon		624	624	624	624	624	624	624	624	624	624	624	624	624	473	473	624	624	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	624	624	473	624	624	624	624	624	624	775			
Hydro		75	69	66	68	64	64	62	63	56	52	50	44	46	36	181	331	218	53	50	56	209	219	218	218	183	180	216	213	215	269	322	307	294	339	262	392	495	629	233	310	124	63	66	66	72	77	152	86		
S.Reserve Total		1384	1041	1086	1134	1339	1547	2067	2262	2458	2744	2641	2574	2524	2342	2514	2828	2960	2807	1951	1721	1310	1339	1131	1082	1091	1122	1131	979	979	1020	1185	1263	1137	832	995	1377	1570	1953	1783	1210	872	1004	1000	1062	1069	979	1353	1691		